International® door closers inc
Since 1968
HARDWARE · STOREFRONT · GATES
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ARCHITECTURAL DOOR HARDWARE CLOSER CATALOG

August 1, 2017 v3

West Coast Office
(800) 544-4422

East Coast Office
(800) 225-6737

intldoorclosers.com

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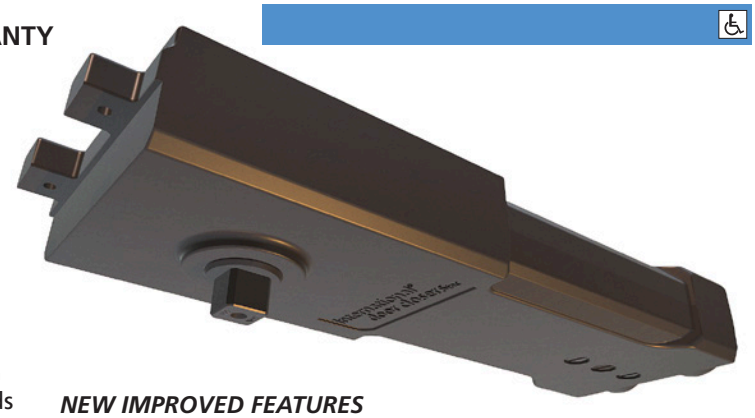
OVERHEAD CONCEALED CLOSER

D200 SERIES

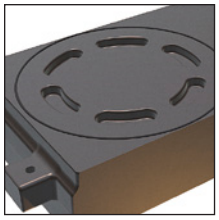
5 YEAR WARRANTY



FEATURES

- **I.D.C.** provides **LEAK-FREE guaranteed performance** under the most demanding conditions.
  1. Steel spring cap is now on top of closer body utilizing a new high performance O-Ring and epoxy sealed threads for double protection.
  2. New automotive type heavy duty spindle seal replacing old standard O-ring technology.
  3. All three adjustment valves now with two high performance O-rings for double protection.
  4. Steel end caps incorporating new high performance O-rings and also epoxy sealed threads for double protection.
  5. Adjustable back check after 80° to prevent the door from slamming open.
- Underwriters' Laboratories Inc. Listed - units without built-in hold-open
- **CENTER HUNG DOORS:** Double or Single Acting (Door stop applied to frame renders unit Single Acting). Adjustable "S" type side loading or "A" type, "K" type and "PT" type end loading top arms are available for center pivoted applications.
- Built-in positive back stop and hold-open positions available:
  - 105° Back Stop with Hold-Open
  - 105° Back Stop - no Hold-Open
  - 90° Back Stop with Hold-Open
  - 90° Back Stop - no Hold-Open
- ADA spring tensions available for use on center pivoted applications:
  - 5 lb. opening force (Interior door)
  - 8-1/2 lb. opening force (Exterior door)
- Standard spring tensions available:
  - **LIGHT, MEDIUM, HEAVY & EXTRA HEAVY**
- Three control valves: Closing speed, latching speed and back check, fully adjustable after installation.
- Fits in an aluminum header or transom bar as small as 1-3/4" x 4".
- Positive centering for alignment and to hold door closed against any normal wind or draft.
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.

NEW IMPROVED FEATURES



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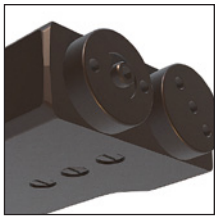

3) All three adjustment valves now with two high performance O-rings for double protection.

4) Now with steel end caps incorporating new high performance O-rings and epoxy sealed threads for double protection.

5) Adjustable back check after 80° to prevent the door from slamming open.

View 3D Model Online

Center Hung Doors: Complete units for aluminum doors and frames are furnished with top arm assembly (adjustable 'S' side loading, "A" end loading, "K" end loading or "PT" end loading), adjustable dual purpose 3010-DP bottom pivot set for floor or threshold mounting (side or end loading) and 3010-FS anchor set with all fasteners. 3010-G and 3010-GE bottom pivot sets are available, but must be ordered separately.

"S" type side loading top arms and 3010-DP adjustable dual purpose pivot set and 3010-FS anchor set will be furnished unless otherwise specified.

"A" type, "K" type or "PT" type end loading and "JO" or "VO" type offset arms are optional, but must be specified.

"G" and "GE" type pivot sets are available, but must be ordered separately.

Offset Hung Doors: Single Acting. Offset "JO" and "VO" type top arms are available for butt hinge or offset pivot applications.

(Offset Pivots or Butt Hinges not included. Top Door Stop/ Arm Cover by others – fabrication drawings available.)

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DOOR SIZE CHART - SCHEDULE OF MODELS AND TYPES

NOTE:
Doors of sizes over the schedule, or of excessive weight, or doors subject to severe wind or draft conditions, or abusive usage, require the next stronger model closer.

SPECIFY:
Closer Model Number and Type of Top Arm, Anchor and/or Pivot Set.

SPECIFY FINISH:
For 3010-JO or 3020-VO Arms
AL - Satin Aluminum
DU - Storefront Bronze

WARRANTY:
5 Year Warranty

DOOR SIZE	SPRING TENSION	TYPE	MODEL WITH "S" "A" "K" OR "PT" ARM	MODEL WITH "JO" OR "VO" OFFSET ARM
From 36" to 48" X 96"	ADA 5lb. (INTERIOR)	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	D200 D201 D202 D203	NA NA NA NA
From 36" to 48" X 96"	ADA 8-1/2lb. (EXTERIOR)	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	D210 D211 D212 D213	NA NA NA NA
Up to 30" X 96"	LIGHT	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	D220 D221 D222 D223	D220 X JO or VO D221 X JO or VO D222 X JO or VO D223 X JO or VO
31" to 41" X 96"	MEDIUM	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	D230 D231 D232 D233	D230 X JO or VO D231 X JO or VO D232 X JO or VO D233 X JO or VO
42" to 48" X 96"	HEAVY	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	D240 D241 D242 D243	D240 X JO or VO D241 X JO or VO D242 X JO or VO D243 X JO or VO
*42" to 48" up to 102" *Not to Exceed 450lbs.	EXTRA HEAVY	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	D250 D251 D252 D253	D250 X JO or VO D251 X JO or VO D252 X JO or VO D253 X JO or VO

PARTS AND ACCESSORIES — PART NO.

	Unit Body (Specify: Spring Tension & degree of Back Stop & Hold open)		D2000-B
	"S" Type Adjustable Side Loading Top Arm Assembly (1/2" Depth Top Rail)		3010-S
	"A" Type End Loading Top Arm Assembly (1" Depth Top Rail)		3010-A
	"K" Type End Loading Top Arm Assembly (5/8" Depth Top Rail)		3010-K
	"PT" Type End Loading Top Arm Assembly (7/8" Depth Top Rail)		3010-PT
	"JO" Type Offset Top Arm Assembly Mortised Type (9/16" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3010-JO x AL 3010-JO x DU
	"VO" Type Offset Top Arm Assembly Surface Type (7/8" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3020-VO x AL 3020-VO x DU
	Anchor Set (Standard)		3010-FS
	Adjustable Dual Purpose Bottom Pivot Set (Standard)		3010-DP
	Adjustable Floor Mount Bottom Pivot Set (Optional)		3010-G
	Adjustable Threshold Mount Bottom Pivot Set (Optional)		3010-GE

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Closers designed for All Glass Doors with a longer spindle and short arm.

5 YEAR WARRANTY

ALL GLASS DOOR CONCEALED CLOSER

D200-SA SERIES

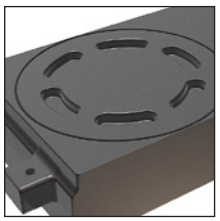
HANDICAP & STANDARD

"A" Short Type End Loading Arm (1" Depth Top Rail)

FEATURES

- **I.D.C.** provides **LEAK-FREE guaranteed performance** under the most demanding conditions.
  1. Steel spring cap is now on top of closer body utilizing a new high performance O-Ring and epoxy sealed threads for double protection.
  2. New automotive type heavy duty spindle seal replacing old standard O-ring technology.
  3. All three adjustment valves now with two high performance O-rings for double protection.
  4. Steel end caps incorporating new high performance O-rings and also epoxy sealed threads for double protection.
  5. Adjustable back check after 80° to prevent the door from slamming open.
- Underwriters' Laboratories Inc. Listed - units without built in hold open.
- **CENTER HUNG DOORS:** Double or Single Acting Door (Door stop applied to frame renders unit Single Acting). "A" type short end loading top arm supplied for smaller top rail applications.
- 3/4" spindle length for better door support.
- Built in positive back stop and hold-open positions available:
  - 105° Back Stop with Hold-Open
  - 105° Back Stop - no Hold-Open
  - 90° Back Stop with Hold-Open
  - 90° Back Stop - no Hold-Open
- Standard spring tensions available:
  - **MEDIUM, HEAVY, EXTRA HEAVY**
- Three control valves: Closing speed, latching speed and back check, fully adjustable after installation.
- Adjustable 3010-DP dual purpose radial ball-bearing bottom pivot set is provided for floor or threshold mounted (end loading) center pivoted installation.
- Cast Iron Body fits in aluminum header or transom bar as small as 1-3/4" x 4".
- Positive centering for alignment and to hold door closed against any normal wind or draft.
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- 5-3/4" Short "A" Arm (measured from center line of spindle to end of arm).

NEW IMPROVED FEATURES



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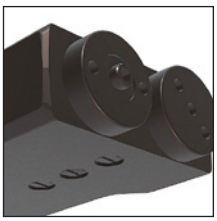

3) All three adjustment valves now with two high performance O-rings for double protection.

4) Now with steel end caps incorporating new high performance O-rings and epoxy sealed threads for double protection.

5) Adjustable back check after 80° to prevent the door from slamming open.

View 3D Model Online

Center Hung Doors: Complete units for aluminum doors and frames are furnished with top arm assembly (adjustable 'S' side loading, "A" end loading, "K" end loading or "PT" end loading), adjustable dual purpose 3010-DP bottom pivot set for floor or threshold mounting (side or end loading) and 3010-FS anchor set with all fasteners.

"S" type side loading top arms and 3010-DP adjustable dual purpose pivot set and 3010-FS anchor set will be furnished unless otherwise specified.

"A" type, "K" type or "PT" type end loading and "JO" or "VO" type offset arms are optional, but must be specified.

"G" and "GE" type pivot sets are available, but must be ordered separately.

Offset Hung Doors: Complete units for offset pivoted or butt hinged aluminum doors and frames are furnished with a "JO" or "VO" type offset arm and 3010-FS anchor set with all fasteners.

(Offset Pivots or Butt Hinges not included. Top Door Stop/ Arm Cover by others – fabrication drawings available.)

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DOOR SIZE CHART

DOOR SIZE	SPRING TENSION	TYPE	MODEL
31″ to 41″	MEDIUM	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold·Open	D230-SA D231-SA D232-SA D233-SA
42″ to 48″	HEAVY	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold·Open	D240-SA D241-SA D242-SA D243-SA
*42″ to 48″ up to 102″ *Not to Exceed 450lbs.	EXTRA-HEAVY	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold·Open	D250-SA D251-SA D252-SA D253-SA
Note: Sizes may vary due to door weight, stack pressure in the building, and wind conditions.			

PARTS AND ACCESSORIES — PART NO.

	Body Only or Unit Body Specify: Spring Tension and degree of Back Stop and Hold Open	D2000-B-31
	"A" Short Type End Loading Arm (1″ Depth Top Rail)	3010-SA
	Adjustable Dual Purpose Bottom Pivot Set	3010-DP
	Anchor Set	3010-FS

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ADJUSTABLE SPRING POWER - OVERHEAD CONCEALED CLOSER

D300 SERIES

5 YEAR WARRANTY

CONFORMS TO STANDARDS UL 10C AND UBC 7.2 (1997)

LISTED

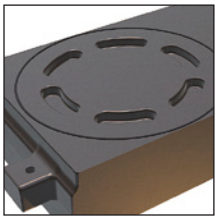
UBC 7.2 1997 PART 1

c UL us LISTED

FEATURES

- **I.D.C.** provides **LEAK-FREE guaranteed performance** under the most demanding conditions.
  1. Steel spring cap is now on top of closer body utilizing a new high performance O-Ring and epoxy sealed threads for double protection.
  2. New automotive type heavy duty spindle seal replacing old standard O-ring technology.
  3. All three adjustment valves now with two high performance O-rings for double protection.
  4. Steel end caps incorporating new high performance O-rings and also epoxy sealed threads for double protection.
  5. Adjustable back check after 80° to prevent the door from slamming open.
- **ADA** closer with Adjustable Spring Power for a range of sizes from 5 lb. to 8.5 lb. **LIGHT & MEDIUM**. Spring Tension, fully adjustable after installation.
- UL/C-UL Listed. UL 10B and UL 10C Compliant for positive pressure. Certified to conform to UBC 7-2 (1997, UL 228)
- Barrier Free Operation to comply with Federal Accessibility Standards (ADA): complying with ANSI A117.1 (4.13.11) available for center pivoted applications.
- Built-in positive back stop and hold-open positions available:
  - 105° Back Stop with Hold-Open
  - 105° Back Stop - no Hold-Open
  - 90° Back Stop with Hold-Open
  - 90° Back Stop - no Hold-Open
- Suitable for both Center Hung (Double or Single Acting) and Offset Doors.
- Three control valves: Closing speed, latching speed and back check, fully adjustable after installation.
- Fits in an aluminum header or transom bar as small as 1 3/4" x 4".
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- Optional 3/4" Spindle Available.

NEW IMPROVED FEATURES



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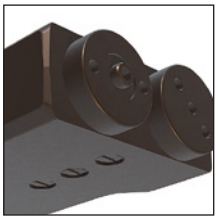

3) All three adjustment valves now with two high performance O-rings for double protection.

4) Now with steel end caps incorporating new high performance O-rings and epoxy sealed threads for double protection.

5) Adjustable back check after 80° to prevent the door from slamming open.

View 3D Model Online

Center Hung Doors: Complete units for aluminum doors and frames are furnished with top arm assembly (adjustable 'S' side loading, "A" end loading, "K" end loading or "PT" end loading), adjustable dual purpose 3010-DP bottom pivot set for floor or threshold mounting (side or end loading) and 3010-FS anchor set with all fasteners.

"S" type side loading, "A" type, "K" type, or "PT" type end loading top arms are available for center pivoted applications.

"A" type, "K" type or "PT" type end loading and "JO" or "VO" type offset arms are optional, but must be specified.

"G" and "GE" type pivot sets are available, but must be ordered separately.

Offset Hung Doors: Complete units for offset pivoted or butt hinged aluminum doors and frames are furnished with a "JO" or "VO" type offset arm (may not meet handicap force requirements) and 3010-FS anchor set with all fasteners .

3010-DP dual purpose radial ball bearing bottom pivot set is standard for floor or threshold center pivoted installation. Optional 3010-GE bottom pivot sets are available, but must be ordered separately.

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SCHEDULE OF MODELS AND TYPES

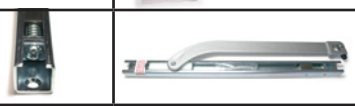
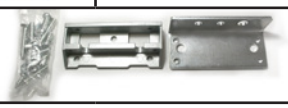
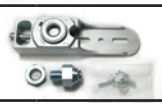
NOTE:
Doors of varying sizes, or of excessive weight, or doors subject to severe wind or draft conditions, or abusive usage, refer to Series D200 Overhead Concealed Closers.

SPECIFY:
Closer Model Number and Type of Top Arm, Anchor and/or Pivot Set.

SPECIFY FINISH:
For 3010-JO or 3020-VO Arms
AL - Satin Aluminum
DU - Storefront Bronze

TYPE	MODEL NO.
105° Back Stop with Hold-Open	D310
105° Back Stop - no Hold-Open	D311
90° Back Stop with Hold-Open	D312
90° Back Stop - no Hold·Open	D313
3/4" SPINDLE	**MODEL NO.**
105° Back Stop with Hold-Open	D310-20-A-DP
105° Back Stop - no Hold-Open	D311-20-A-DP

PARTS AND ACCESSORIES — PART NO.

	Unit Body (Specify: Spring Tension & degree of Back Stop & Hold open)		D3000-B
	"S" Type Adjustable Side Loading Top Arm Assembly (1/2" Depth Top Rail)		3010-S
	"A" Type End Loading Top Arm Assembly (1" Depth Top Rail)		3010-A
	"K" Type End Loading Top Arm Assembly (5/8" Depth Top Rail)		3010-K
	"PT" Type End Loading Top Arm Assembly (7/8" Depth Top Rail)		3010-PT
	"JO" Type Offset Top Arm Assembly Mortised Type (9/16" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3010-JO x AL 3010-JO x DU
	"VO" Type Offset Top Arm Assembly Surface Type (7/8" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3020-VO x AL 3020-VO x DU
	Anchor Set (Standard)		3010-FSP
	Adjustable Dual Purpose Bottom Pivot Set (Standard)		3010-DP
	Adjustable Floor Mount Bottom Pivot Set (Optional)		3010-G
	Adjustable Threshold Mount Bottom Pivot Set (Optional)		3010-GE

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ADJUSTABLE SPRING POWER - OVERHEAD CONCEALED CLOSER

D300-HD SERIES

Medium to Extra Heavy Spring Tension

5 YEAR WARRANTY

CONFORMS TO STANDARDS UL 10C AND UBC 7.2 (1997)

LISTED

UBC 7.2 1997 PART 1

c UL us LISTED

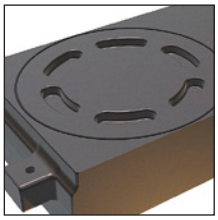
FEATURES

- **I.D.C.** provides **LEAK-FREE guaranteed performance** under the most demanding conditions.
  1. Steel spring cap is now on top of closer body utilizing a new high performance O-Ring and epoxy sealed threads for double protection.
  2. New automotive type heavy duty spindle seal replacing old standard O-ring technology.
  3. All three adjustment valves now with two high performance O-rings for double protection.
  4. Steel end caps incorporating new high performance O-rings and also epoxy sealed threads for double protection.
  5. Adjustable back check after 80° to prevent the door from slamming open.

- **D300-HD** multi-size closer for **MEDIUM, HEAVY & EXTRA HEAVY**. Spring Tension, fully adjustable after installation.

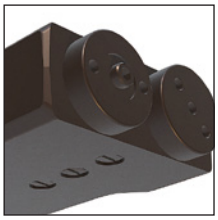
- UL/C-UL Listed. UL 10B and UL 10C Compliant for positive pressure. Certified to conform to UBC 7-2 (1997, UL 228)
- Built-in positive back stop and hold-open positions available:
  - 105° Back Stop with Hold-Open
  - 105° Back Stop - no Hold-Open
  - 90° Back Stop with Hold-Open
  - 90° Back Stop - no Hold-Open
- Suitable for both Center Hung (Double or Single Acting) and Offset Doors.
- Three control valves: Closing speed, latching speed and back check, fully adjustable after installation.
- Fits in an aluminum header or transom bar as small as 1 3/4" x 4".
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- Optional 3/4" Spindle Available.

NEW IMPROVED FEATURES



1) Steel spring cap is now on top of closer body utilizing a new high performance O-Ring and epoxy sealed threads for double protection.

2) New automotive type heavy duty spindle seal replacing old standard O-ring technology.



3) All three adjustment valves now with two high performance O-rings for double protection.

4) Now with steel end caps incorporating new high performance O-rings and epoxy sealed threads for double protection.

5) Adjustable back check after 80° to prevent the door from slamming open.

View 3D Model Online

Center Hung Doors: Complete units for aluminum doors and frames are furnished with top arm assembly (adjustable 'S' side loading, "A" end loading, "K" end loading or "PT" end loading), adjustable dual purpose 3010-DP bottom pivot set for floor or threshold mounting (side or end loading) and 3010-FS anchor set with all fasteners.

"S" type side loading, "A" type, "K" type, or "PT" type end loading top arms are available for center pivoted applications.

"A" type, "K" type or "PT" type end loading and "JO" or "VO" type offset arms are optional, but must be specified.

"G" and "GE" type pivot sets are available, but must be ordered separately.

Offset Hung Doors: Complete units for offset pivoted or butt hinged aluminum doors and frames are furnished with a "JO" or "VO" type offset arm and 3010-FS anchor set with all fasteners .

3010-DP dual purpose radial ball bearing bottom pivot set is standard for floor or threshold center pivoted installation. Optional 3010-GE bottom pivot sets are available, but must be ordered separately.

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SCHEDULE OF MODELS AND TYPES

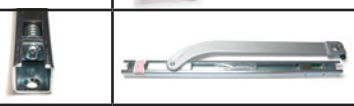
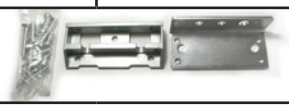
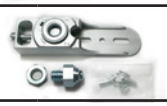
NOTE:
Doors of varying sizes, or of excessive weight, or doors subject to severe wind or draft conditions, or abusive usage, refer to Series D200 Overhead Concealed Closers.

SPECIFY:
Closer Model Number and Type of Top Arm, Anchor and/or Pivot Set.

SPECIFY FINISH:
For 3010-JO or 3020-VO Arms
AL - Satin Aluminum
DU - Storefront Bronze

TYPE	MODEL NO.
105° Back Stop with Hold-Open	D310-HD
105° Back Stop - no Hold-Open	D311-HD
90° Back Stop with Hold-Open	D312-HD
90° Back Stop - no Hold·Open	D313-HD
3/4" SPINDLE	**MODEL NO.**
105° Back Stop with Hold-Open	D310-HD-20-A-DP
105° Back Stop - no Hold-Open	D311-HD-20-A-DP

PARTS AND ACCESSORIES — PART NO.

	Unit Body (Specify: Spring Tension & degree of Back Stop & Hold open)		D3000-HD-B
	"S" Type Adjustable Side Loading Top Arm Assembly (1/2" Depth Top Rail)		3010-S
	"A" Type End Loading Top Arm Assembly (1" Depth Top Rail)		3010-A
	"K" Type End Loading Top Arm Assembly (5/8" Depth Top Rail)		3010-K
	"PT" Type End Loading Top Arm Assembly (7/8" Depth Top Rail)		3010-PT
	"JO" Type Offset Top Arm Assembly Mortised Type (9/16" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3010-JO x AL 3010-JO x DU
	"VO" Type Offset Top Arm Assembly Surface Type (7/8" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3020-VO x AL 3020-VO x DU
	Anchor Set (Standard)		3010-FSP
	Adjustable Dual Purpose Bottom Pivot Set (Standard)		3010-DP
	Adjustable Floor Mount Bottom Pivot Set (Optional)		3010-G
	Adjustable Threshold Mount Bottom Pivot Set (Optional)		3010-GE

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ADJUSTABLE SPRING POWER - OVERHEAD CONCEALED CLOSER

D500 SERIES

GRADE 1

CERTIFIED GRADE 1
ANSI 156.4

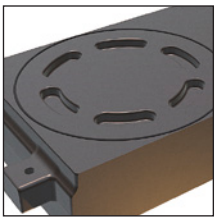
UBC 7.2 1997 PART 1

10 YEAR WARRANTY

FEATURES

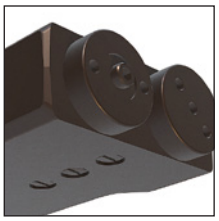
- **I.D.C.** provides **LEAK-FREE guaranteed performance** under the most demanding conditions.
  1. Steel spring cap is now on top of closer body utilizing a new high performance O-Ring and epoxy sealed threads for double protection.
  2. New automotive type heavy duty spindle seal replacing old standard O-ring technology.
  3. All three adjustment valves now with two high performance O-rings for double protection.
  4. Steel end caps incorporating new high performance O-rings and also epoxy sealed threads for double protection.
  5. Adjustable back check after 80° to prevent the door from slamming open.
- **Certified ANSI 156.4 Grade 1**
- **ADA** closer with Adjustable Spring Power for a range of sizes from 5 lb. to 8.5 lb. **LIGHT & MEDIUM**. Spring Tension, fully adjustable after installation.
- Underwriters' Laboratories Inc. Fire Endurance Tested, conforming to UL10C and UBC7.2 (1997) for Fire Safety.
- UL/C-UL Listed. UL 10B and UL 10C Compliant for positive pressure. Certified to conform to UBC 7-2 (1997, UL 228)
- Barrier Free Operation to comply with Federal Accessibility Standards (ADA): complying with ANSI A117.1 (4.13.11) available for center pivoted applications.
- Built-in positive back stop and hold-open positions available:
  - 105° Back Stop with Hold-Open
  - 105° Back Stop - no Hold-Open
  - 90° Back Stop with Hold-Open
  - 90° Back Stop - no Hold-Open
- Suitable for both Center Hung (Double or Single Acting) and Offset Doors.
- Three control valves: Closing speed, latching speed and back check, fully adjustable after installation.
- Fits in an aluminum header or transom bar as small as 1 3/4" x 4".
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- Optional 3/4" Spindle Available.

NEW IMPROVED FEATURES



1) Steel spring cap is now on top of closer body utilizing a new high performance O-Ring and epoxy sealed threads for double protection.

2) New automotive type heavy duty spindle seal replacing old standard O-ring technology.



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View 3D Model Online

Center Hung Doors: Complete units for aluminum doors and frames are furnished with top arm assembly (adjustable 'S' side loading, "A" end loading, "K" end loading or "PT" end loading), adjustable dual purpose 3010-DP bottom pivot set for floor or threshold mounting (side or end loading) and 3010-FS anchor set with all fasteners.

"S" type side loading, "A" type, "K" type, or "PT" type end loading top arms are available for center pivoted applications.

"A" type, "K" type or "PT" type end loading and "JO" or "VO" type offset arms are optional, but must be specified.

"G" and "GE" type pivot sets are available, but must be ordered separately.

Offset Hung Doors: Complete units for offset pivoted or butt hinged aluminum doors and frames are furnished with a "JO" or "VO" type offset arm (may not meet handicap force requirements) and 3010-FS anchor set with all fasteners.

3010-DP dual purpose radial ball bearing bottom pivot set is standard for floor or threshold center pivoted installation. Optional 3010-GE bottom pivot sets

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SCHEDULE OF MODELS AND TYPES

NOTE:
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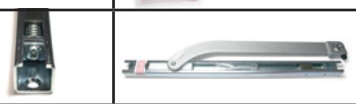
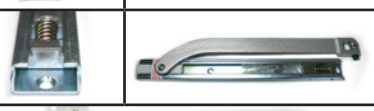
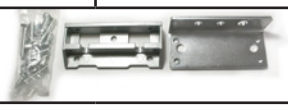
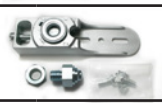
SPECIFY:
Closer Model Number and Type of Top Arm, Anchor and/or Pivot Set.

SPECIFY FINISH:
For 3010-JO or 3020-VO Arms
AL - Satin Aluminum
DU - Storefront Bronze

TYPE	MODEL NO.
105° Back Stop with Hold-Open	D510
105° Back Stop - no Hold-Open	D511
90° Back Stop with Hold-Open	D512
90° Back Stop - no Hold·Open	D513
3/4" SPINDLE	**MODEL NO.**
105° Back Stop with Hold-Open	D510-20-A-DP
105° Back Stop - no Hold-Open	D511-20-A-DP

PARTS AND ACCESSORIES — PART NO.

	Unit Body (Specify: Spring Tension & degree of Back Stop & Hold open)		D5000-B
	"S" Type Adjustable Side Loading Top Arm Assembly (1/2" Depth Top Rail)		3010-S
	"A" Type End Loading Top Arm Assembly (1" Depth Top Rail)		3010-A
	"K" Type End Loading Top Arm Assembly (5/8" Depth Top Rail)		3010-K
	"PT" Type End Loading Top Arm Assembly (7/8" Depth Top Rail)		3010-PT
	"JO" Type Offset Top Arm Assembly Mortised Type (9/16" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3010-JO x AL 3010-JO x DU
	"VO" Type Offset Top Arm Assembly Surface Type (7/8" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3020-VO x AL 3020-VO x DU
	Anchor Set (Standard)		3010-FSP
	Adjustable Dual Purpose Bottom Pivot Set (Standard)		3010-DP
	Adjustable Floor Mount Bottom Pivot Set (Optional)		3010-G
	Adjustable Threshold Mount Bottom Pivot Set (Optional)		3010-GE

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ADJUSTABLE SPRING POWER - OVERHEAD CONCEALED CLOSER

D500-HD SERIES

Grade 1 • Medium to Extra Heavy Spring Tension

CERTIFIED GRADE 1
ANSI 156.4

UBC 7.2 1997 PART 1

10 YEAR WARRANTY

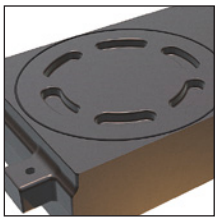
FEATURES

- **I.D.C.** provides **LEAK-FREE guaranteed performance** under the most demanding conditions.
  1. Steel spring cap is now on top of closer body utilizing a new high performance O-Ring and epoxy sealed threads for double protection.
  2. New automotive type heavy duty spindle seal replacing old standard O-ring technology.
  3. All three adjustment valves now with two high performance O-rings for double protection.
  4. Steel end caps incorporating new high performance O-rings and also epoxy sealed threads for double protection.
  5. Adjustable back check after 80° to prevent the door from slamming open.
- **Certified ANSI 156.4 Grade 1**

- **D500-HD** multi-size closer for **MEDIUM, HEAVY and EXTRA HEAVY**. Spring Tension, fully adjustable after installation.

- Underwriters' Laboratories Inc. Fire Endurance Tested, conforming to UL10C and UBC7.2 (1997) for Fire Safety.
- UL/C-UL Listed. UL 10B and UL 10C Compliant for positive pressure. Certified to conform to UBC 7-2 (1997, UL 228)
- Built-in positive back stop and hold-open positions available:
  - 105° Back Stop with Hold-Open
  - 105° Back Stop - no Hold-Open
  - 90° Back Stop with Hold-Open
  - 90° Back Stop - no Hold-Open
- Suitable for both Center Hung (Double or Single Acting) and Offset Doors.
- Three control valves: Closing speed, latching speed and back check, fully adjustable after installation.
- Fits in an aluminum header or transom bar as small as 1 3/4" x 4".
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- Optional 3/4" Spindle Available.

NEW IMPROVED FEATURES



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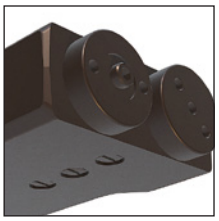

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View 3D Model Online

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"S" type side loading, "A" type, "K" type, or "PT" type end loading top arms are available for center pivoted applications.

"A" type, "K" type or "PT" type end loading and "JO" or "VO" type offset arms are optional, but must be specified.

"G" and "GE" type pivot sets are available, but must be ordered separately.

Offset Hung Doors: Complete units for offset pivoted or butt hinged aluminum doors and frames are furnished with a "JO" or "VO" type offset arm and 3010-FS anchor set with all fasteners.

3010-DP dual purpose radial ball bearing bottom pivot set is standard for floor or threshold center pivoted installation. Optional 3010-GE bottom pivot sets

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SCHEDULE OF MODELS AND TYPES

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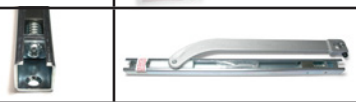
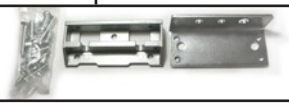
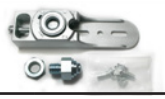
SPECIFY:
Closer Model Number and Type of Top Arm, Anchor and/or Pivot Set.

SPECIFY FINISH:
For 3010-JO or 3020-VO Arms
AL - Satin Aluminum
DU - Storefront Bronze

TYPE	MODEL NO.
105° Back Stop with Hold-Open	D510-HD
105° Back Stop - no Hold-Open	D511-HD
90° Back Stop with Hold-Open	D512-HD
90° Back Stop - no Hold·Open	D513-HD
3/4" SPINDLE	**MODEL NO.**
105° Back Stop with Hold-Open	D510-HD-20-A-DP
105° Back Stop - no Hold-Open	D511-HD-20-A-DP

PARTS AND ACCESSORIES — PART NO.

	Unit Body (Specify: Spring Tension & degree of Back Stop & Hold open)		D5000-HD-B
	"S" Type Adjustable Side Loading Top Arm Assembly (1/2" Depth Top Rail)		3010-S
	"A" Type End Loading Top Arm Assembly (1" Depth Top Rail)		3010-A
	"K" Type End Loading Top Arm Assembly (5/8" Depth Top Rail)		3010-K
	"PT" Type End Loading Top Arm Assembly (7/8" Depth Top Rail)		3010-PT
	"JO" Type Offset Top Arm Assembly Mortised Type (9/16" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3010-JO x AL 3010-JO x DU
	"VO" Type Offset Top Arm Assembly Surface Type (7/8" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3020-VO x AL 3020-VO x DU
	Anchor Set (Standard)		3010-FSP
	Adjustable Dual Purpose Bottom Pivot Set (Standard)		3010-DP
	Adjustable Floor Mount Bottom Pivot Set (Optional)		3010-G
	Adjustable Threshold Mount Bottom Pivot Set (Optional)		3010-GE

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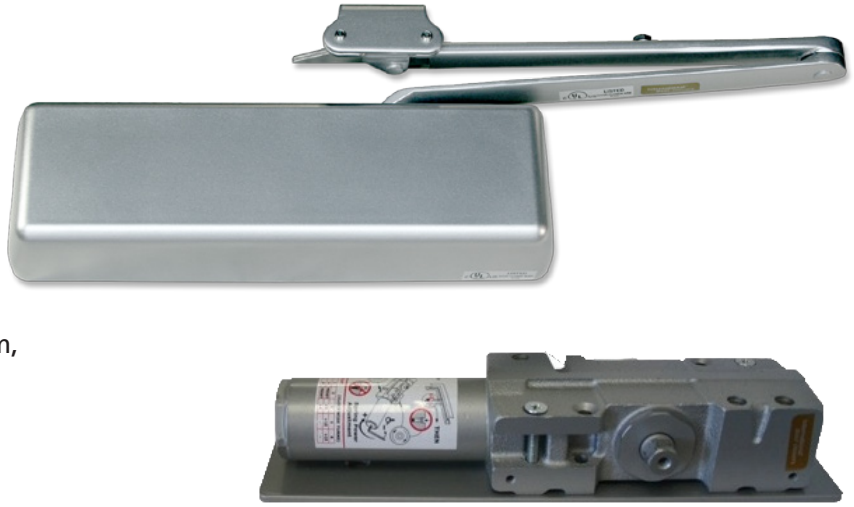
ADJUSTABLE SPRING POWER SURFACE APPLIED GRADE 1 CLOSER

44CI SERIES

HEAVY DUTY CAST IRON

FEATURES

- Application for HIGH TRAFFIC Doors
- Cast Iron Body; Forged Steel Arm
- Double Heat Treated Steel Pinion
- All Weather Fluid
- Non-Handed
- Non-Sized Adjustable 1 Through 6; Standard with Back Check
- Universal Application for Regular Arm, Top Jamb, or Parallel Arm Mounting
- Standard Plastic Cover - Non Handed
- Hold-open arms are adjustable for holding from 85° to 180°.
- 10 year Warranty



OPTIONS AVAILABLE

- Metal Cover
- Heavy Duty Arm (EDA)
- Hold-Open arm
- Stop Only Arm
- Friction Hold Open Arm

UBC 7.2 1997 PART 1

c UL us LISTED

UL LISTED

View 3D Model Online

FINISHES

- AL - Aluminum
- DU - Storefront Bronze

10 YEAR WARRANTY

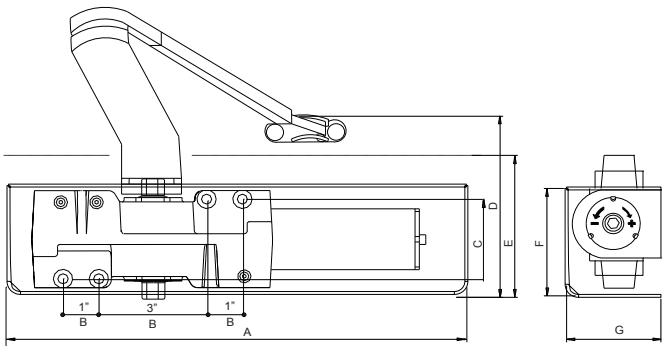
(Other finishes available by Special Order)

COMPLIANCE STANDARDS

- ANSI/BHMA A156.4 Grade 1 Certified
- UL/C-UL Listed
- UL 10B and UL 10C Compliant for positive pressure
- Certified to Conform to UBC 7-2 (1997, UL 228)
- Barrier Free Operation to Comply with Federal Accessibility Standards (ADA): Complying with ANSI A117.1 (4.13.11)

TECHNICAL DIMENSIONS

Description	Dimensions
A. Length of Closer Body (With Cover)	12-1/4"
B. Horizontal Mounting Holes	SEE DRAWING
C. Vertical Mounting Holes	2-1/4"
D. Overall Height	4-7/8"
E. Top of Door to Bottom of Closer	3-11/16"
F. Closer Body Height	3-1/2"
G. Projection from Door	2-1/4"



Front View End View

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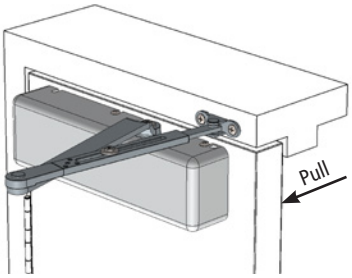
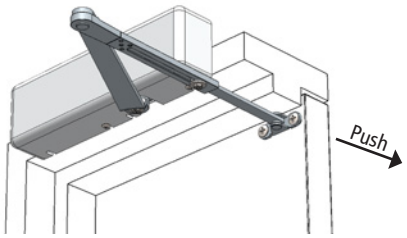
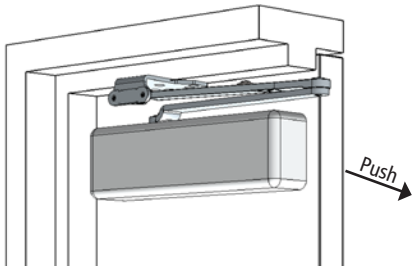
INSTALLATION TYPES



Regular Arm (Pull Side)
Permits 120° maximum opening



Top Jamb (Push Side)
Permits 120° maximum opening



Parallel Arm (Push Side)
Permits 180° maximum opening

PARTS AND ACCESSORIES — PART NO.

	Plastic Dress Cover	DC-44
	Metal Dress Cover (special order)	DC-44M
	Complete Arm Assembly	44-2021
	Cushion - Hold-open arm - Mechanical Turn Type	44-2022
	Cushion Stop Arm	44-2023
	Friction Hold Open Arm	44-2024
	Heavy Duty Arm (EDA)	44-2026
	Parallel Bracket	425
	Drop Plate for Pull Side installation when top Door Rail is less than 3-3/4". Requires a 2" minimum height Door Rail.	44-18
	Drop Plate for Top Jamb installation when ceiling is flush to top of Header. Requires a minimum 1-3/4" header height.	44-18G
	Drop Plate for Top Jamb installation on Door Headers less than 3-1/2" in height.	44-18J
	Drop Plate for Parallel Arm installation on Door Rails less than 5-1/2" (measured down from the door stop). Requires a 2" minimum height Door Rail.	44-18PA

SPECIFY FINISH:
- AL - Aluminum
- DU - Storefront Bronze

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SURFACE APPLIED CLOSER

850 SERIES
STANDARD

880 SERIES
ADJUSTABLE BACK-CHECK

UL LISTED

FINISHES
- AL - Aluminum
- DU - Storefront Bronze

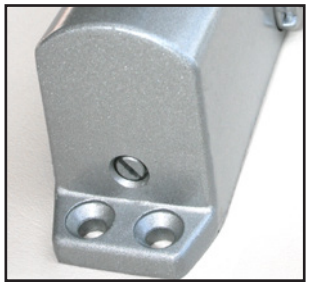
5 YEAR WARRANTY

View 3D Model Online

FEATURES

- Series 880 has adjustable Back-Check function controlled by a separate regulating valve, adjustable after installation.
- Underwriters' Laboratories Inc. Listed.
- Range of sizes:
  - **Standard:** 851, 852, 853, 854 and 855
  - **Back-Check:** 883, 884 and 885
- Two Adjustment Valves: Closing and Latching speeds controlled by separate regulating valves, adjustable after installation.
- Universal application. Non-handed for standard, top jamb or parallel arm installation.
- Available with regular, hold-open or fusible link hold open arms.
- Regular arms are equipped with a 15% (+)(-) 7½% power adjustment bracket.
- Hold-open arms are adjustable for holding from 90° to 180°.
- Rack and pinion mechanism contained in a high tensile precision cast aluminum housing assures the highest quality.
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- Narrow design permits installation on most modern glass and aluminum doors without adaptors.

- 850 & 880 Series Closing and Latching Adjustment Valves

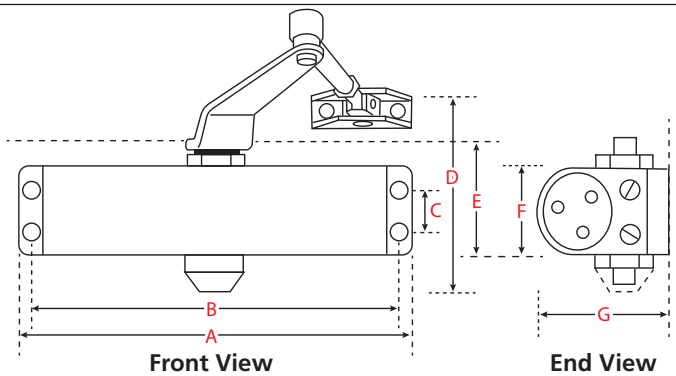


- 880 Series Back-Check Adjustment Valve

TECHNICAL DIMENSIONS

Size 1 Meets ADA Requirments

Description	Dimensions			
	1	2	3	4 & 5
A. Length of Closer Body	7 1/8"	8 1/16"	8 7/8"	9 3/4"
B. Horizontal Mounting Holes	6 1/2"	7 3/8"	8 3/16"	9 1/16"
C. Vertical Mounting Holes	3/4"	3/4"	3/4"	3/4"
D. Overall Height	4 1/16"	4 3/4"	4 3/4"	4 3/4"
E. Top of Door to Bottom of Closer	1 15/16"	2 1/4"	2 1/4"	2 1/4"
F. Closer Body Height	1 5/8"	1 3/4"	1 3/4"	1 3/4"
G. Projection from Door	2 9/16"	3"	3"	3"



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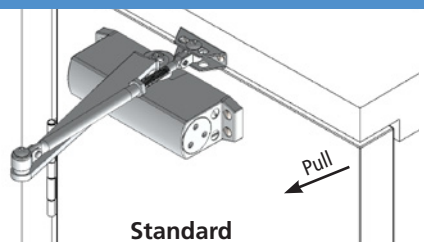
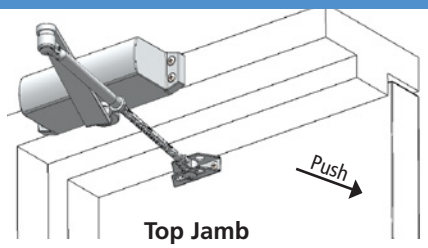
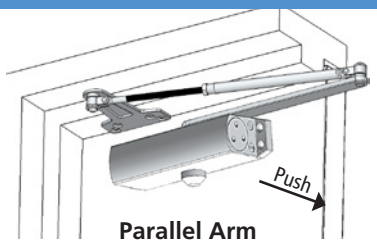
INSTALLATION TYPES



Standard



Top Jamb



Parallel Arm

SELECTION CHART

INTERIOR DOOR SIZE	EXTERIOR DOOR SIZE		MODEL NUMBER		TYPE
	Swing Out	Swing In	Standard	Back-Check	
32″ 28″	28″ 24″	24″ —	851 851-P	— —	Regular Arm Parallel Arm
36″ 32″ 36″ 32″	32″ 28″ 32″ 28″	28″ 24″ 28″ 24″	852 852-P 1852 1852-P	— — — —	Regular Arm Parallel Arm Hold-Open Arm Parallel Hold-Open Arm
42″ 36″ 42″ 36″	36″ 32″ 36″ 32″	32″ 28″ 32″ 28″	853 853-P 1853 1853-P	883 883-P 1883 1883-P	Regular Arm Parallel Arm Hold-Open Arm Parallel Hold-Open Arm
48″ 42″ 48″ 42″	42″ 36″ 42″ 36″	36″ 32″ 36″ 32″	854 854-P 1854 1854-P	884 884-P 1884 1884-P	Regular Arm Parallel Arm Hold-Open Arm Parallel Hold-Open Arm
54″ 48″ 54″ 48″	48″ 42″ 48″ 42″	42″ 36″ 42″ 36″	855 855-P 1855 1855-P	885 885-P 1885 1885-P	Regular Arm Parallel Arm Hold-Open Arm Parallel Hold-Open Arm

PARTS AND ACCESSORIES - SERIES 850 & 880

Parts	Description	Size	1	2	3	4 & 5
	Main Arm	Part #	510	520	520	520
	Regular Forearm	Part #	511	521	521	521
	Hold-Open Forearm	Part #	None	522	522	522
	Parallel Bracket for Regular Arm	Part #	515	525	525	525
	Flat Drop Bracket	Part #	None	527	537	547
	Top Jamb Bracket	Part #	None	None	TJB-53	TJB-54
	Dress Cover	Part #	None	None	DC-8000	DC-8000
	Thru Bolt & Grommet Nut (Set of 4 each)	Part #	TBGN-50	TBGN-50	TBGN-50	TBGN-50

NOTE:
Doors of unusual height or weight, or doors subject to severe wind or draft conditions, or abusive usage, require the next larger model closer than the schedule.

SPECIFY:
Closer Model or Part Number

SPECIFY FINISH:
AL - Aluminum
DU - Storefront Bronze

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FIXED SPRING POWER SURFACE APPLIED

1800 SERIES

GRADE 1 • FIRE RATED • HANDICAP

FEATURES

- Narrow design permits installation on most glass and aluminum doors without adapters
- Standard application for regular arm and Top Jamb installation; parallel arm installation
- Two Adjustment Valves: Closing and Latching speeds controlled by separate regulating valves, adjustable after installation. (Three valves with optional back-check)
- Ranges of Sizes
  - Standard: 1803, 1804, and 1805
  - Back-Check: 1803-BC, 1804-BC, and 1805-BC

c UL us LISTED

FINISHES

- AL - Aluminum
- DU - Storefront Bronze

10 YEAR WARRANTY

View 3D Model Online

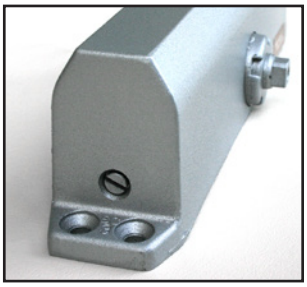
COMPLIANCE STANDARD

- Factory tested to meet or exceed ANSI 156.4 Grade 1
- Barrier Free operation to comply with Federal Accessibility Standards (ADA) complying with ANSI 117.1

OPTIONS AVAILABLE

- Slim or Full Plastic Cover
- Hold-Open Arm
- Drop Plates
- Sex Nuts and Bolts

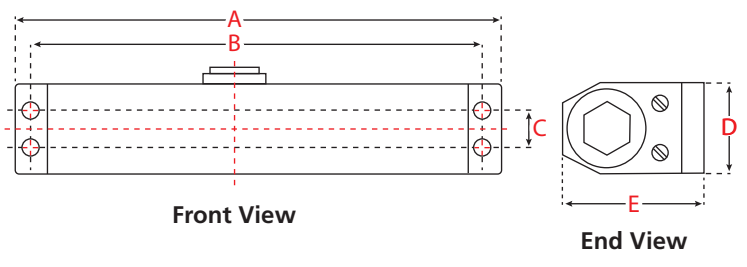
- Closing and Latching Adjustment Valves



- 1803-BC, 1804-BC and 1805-BC Series Back-Check Adjustment Valve

TECHNICAL DIMENSIONS

Description	Dimensions
A. Length of Closer Body	9-3/4"
B. Horizontal Mounting Holes	9-1/16"
C. Vertical Mounting Holes	3/4"
D. Closer Body Height	1-31/32"
E. Projection from Door	2-29/32"



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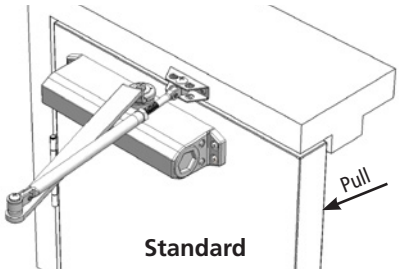
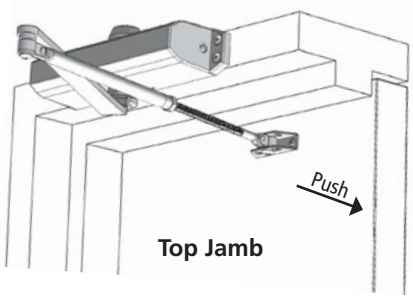
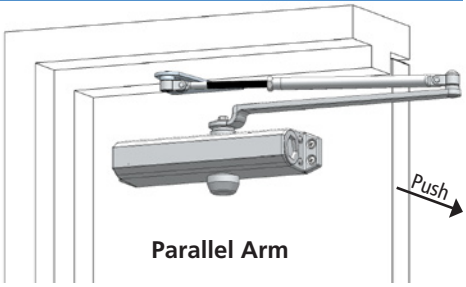
INSTALLATION TYPES



Standard



Top Jamb



Parallel Arm

SELECTION CHART

Regular & Top Jamb				Parallel Arm			Applicable Door Weight Lbs (Kg)
Maximum Size of Door							
Closer Size	Interior	Exterior Inswing	Exterior Outswing	Closer Size	Interior	Exterior	
1	28″ (0.71m)			1			33-66 (15-30)
2	36″ (0.91m)			2	30″ (0.76m)		66-99 (30-45)
3	42″ (1.07m)	30″ (0.76m)	36″ (0.91m)	3	36″ (0.91m)	30″ (0.76m)	99-143 (45-65)
4	48″ (1.22m)	36″ (0.91m)	42″ (1.07m)	4	42″ (1.07m)	36″ (0.91m)	143-187 (65-85)
5	54″ (1.37m)	42″ (1.07m)	48″ (1.22m)	5	48″ (1.22m)	42″ (1.07m)	178-264 (85-120)
6	60″ (1.52m)	48″ (1.22m)	54″ (1.37m)	6	54″ (1.37m)	48″ (1.22m)	264-330 (120-150)

PARTS AND ACCESSORIES - SERIES 1800

Parts	Description	Part #
	Main Arm	520
	Regular Forearm	521
	Hold-Open Forearm	522
	Parallel Bracket for Regular Arm	525
	Flat Drop Bracket for Closers - With Dress Cover	547
	Dress Cover	DC-8000
	Thru Bolt & Grommet Nut (Set of 4 each)	TBGN-50
	Sex Nuts & Bolts	18-SN

NOTE:
Doors of unusual height or weight, or doors subject to severe wind or draft conditions, or abusive usage, require one or two more full turns of hex spring adjustment nut than shown on the Installation instructions.

SPECIFY:
Closer Model or Part Number

SPECIFY FINISH:
Al-Aluminum
DU -Storefront Bronze

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ADJUSTABLE SPRING POWER - SURFACE APPLIED CLOSER

5000-TP SERIES

GRADE 1 • HANDICAP

UBC 7.2 1997 PART 1

c UL us LISTED

UL LISTED

View 3D Model Online

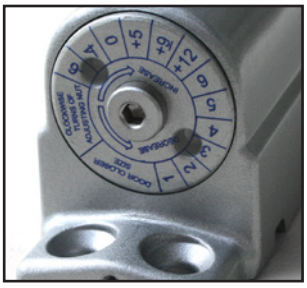
FEATURES

- **Model 5001-TP**
- ADA (Handicap) multi·sized closer with adjustable spring power for a range of sizes. 1-6 adjustable back check and delay action, adjustable after installation.
- Two Speed Control Valves: Closing and latching speeds controlled by separate regulating valves, adjustable after installation.
- Universal application. Non-handed for standard, top jamb or parallel arm installation.
- Furnished with dress cover and PA bracket.
- Rack and pinion mechanism contained in a high tensile precision cast aluminum housing.
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- Optional, hold-open arms.
- Hold-open arms are adjustable for holding from 90° to 180°

FINISHES

- AL - Aluminum
- DU - Storefront Bronze

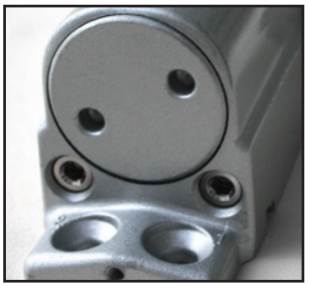
10 YEAR WARRANTY



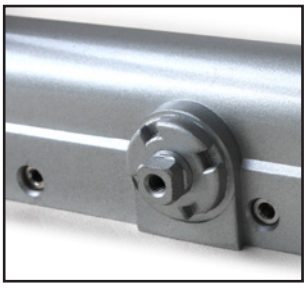
- Spring Power Adjustment

COMPLIANCE STANDARD

- ANSI/BHMA A156.4 Grade 1 Certified
- UL/C-UL Listed
- Certified to Conform to UBC 7-2 (1997, UL 228)
- Barrier Free Operation to Comply with Federal Accessibility Standards (ADA): Complying with ANSI A117.1 (4.13.11)



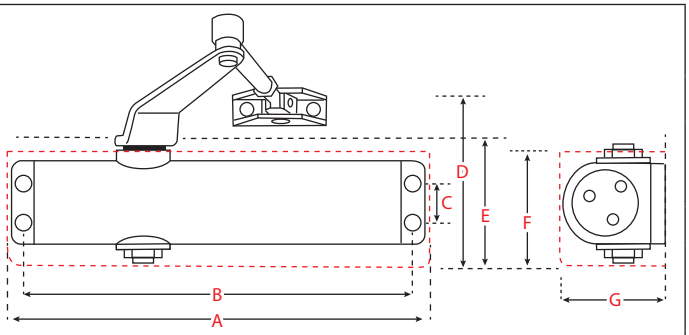
- Latching and Sweep Adjustment Valves



- Back-Check and Delay Adjustment Valve

TECHNICAL DIMENSIONS

Description	WITH DRESS COVER	NO DRESS COVER
A. Length of Closer Body	13″	12 11/16″
B. Horizontal Mounting Holes	12″	12″
C. Vertical Mounting Holes	3/4″	3/4″
D. Overall Height	5 1/8″	5 1/16″
E. Top of Door to Bottom of Closer	3 1/2″	3 7/16″
F. Closer Body Height	3″	2 7/8″
G. Projection from Door	2 5/16″	2 3/16″



Front View End View

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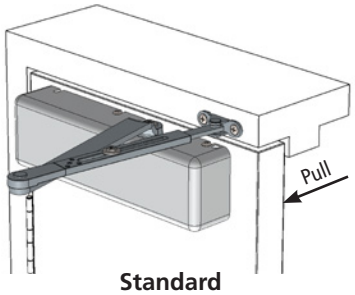
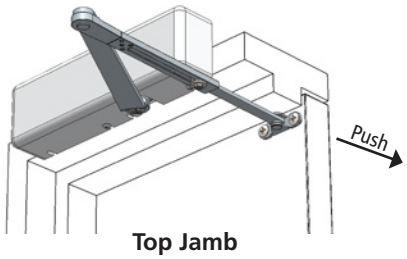
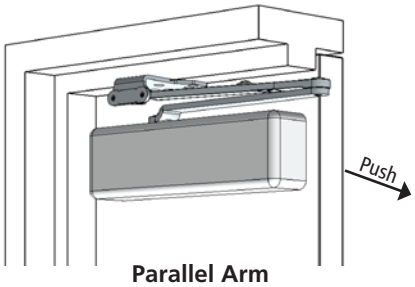
INSTALLATION TYPES



Standard



Top Jamb



Parallel Arm

TYPICAL INSTALLATIONS (REGULAR ARMS SHOWN) Hold-Open Arms are similar

SELECTION CHART

STYLE	MODEL NO.	TYPE
WITH DRESS COVER	5001-TP	Regular Arm Parallel Arm Hold-Open Arm Parallel Hold-Open Arm

PARTS AND ACCESSORIES - 5001-TP

Parts	Description	Part #
	Complete Arm Assembly	501
	Hold-Open Forearm	522
	Parallel Bracket for Regular Arm	525
	Dress Cover	DC-5000
	Thru Bolt & Grommet Nut (Set of 4 each)	TBGN-50
	Sex Nuts & Bolts	18-SN

NOTE:
Doors of unusual height or weight, or doors subject to severe wind or draft conditions, or abusive usage, require one or two more full turns of hex spring adjustment nut than shown on the Installation instructions.

SPECIFY:
Closer Model or Part Number

SPECIFY FINISH:
Al-Aluminum
DU -Storefront Bronze

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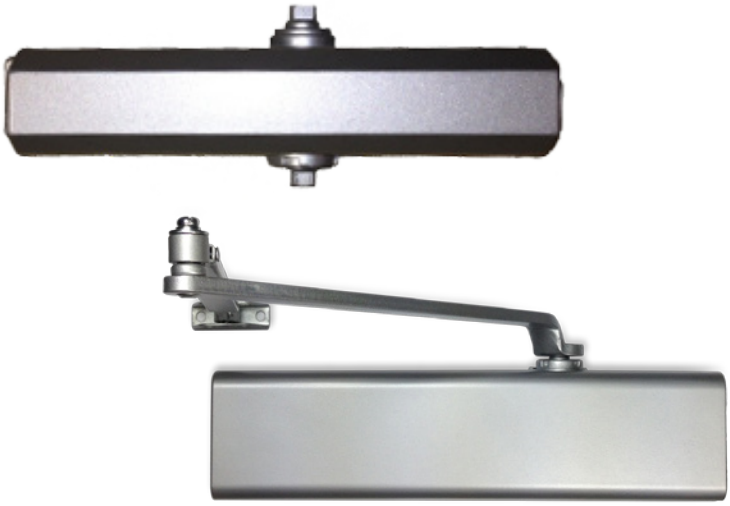
SURFACE APPLIED GRADE 1 CLOSER

8000-TP SERIES

GRADE 1 • FIRE RATED • HANDICAP



View 3D Model Online

FEATURES

- **Model 8051-TP** Standard with Sweep, Latching, and Back-Check
- **Model 8052-TP** Standard with Sweep, Latching, and Delayed Action
- Adjustable Spring Power Size 1 through 6
- Cast Aluminum body; forged steel arm
- Tri-packed for regular arm, top jamb and parallel arm application
- Hold-open arms are adjustable for holding from 90° to 180°

OPTIONS AVAILABLE

- Drop Plate, Hold Open Arm
- Replacement for Norton 1600 or 1601

COMPLIANCE STANDARD

- ANSI A 156.4 Grade 1 Certified
- UL and CUL Listed: UL 10C Fire Rate
- Underwriters' Laboratories Inc. Listed UL 10B and UL 10C Compliant for positive pressure
- Certified to Conform to UBC 7-2 (1997, UL 228)
- Barrier Free Operation to Comply with Federal Accessibility Standards (ADA): Complying with ANSI A117.1 (4.13.11)

UBC 7.2 1997 PART 1

c UL us LISTED

UL LISTED

CERTIFIED GRADE 1
ANSI 156.4

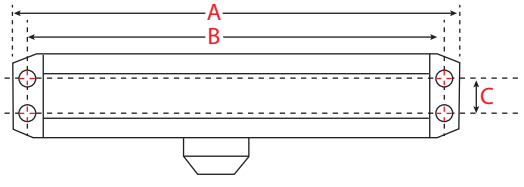
FINISHES

- AL - Aluminum
- DU - Storefront Bronze

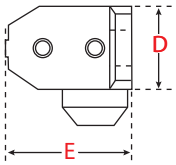
10 YEAR WARRANTY

TECHNICAL DIMENSIONS

Description	Dimensions
A. Length of Closer Body	9-3/4" (248 mm)
B. Horizontal Mounting Holes	9-1/16" (230 mm)
C. Vertical Mounting Holes	3/4" (19 mm)
D. Closer Body Height	1-13/16" (46 mm)
E. Projection from Door	2-3/4" (70 mm)



Front View



End View

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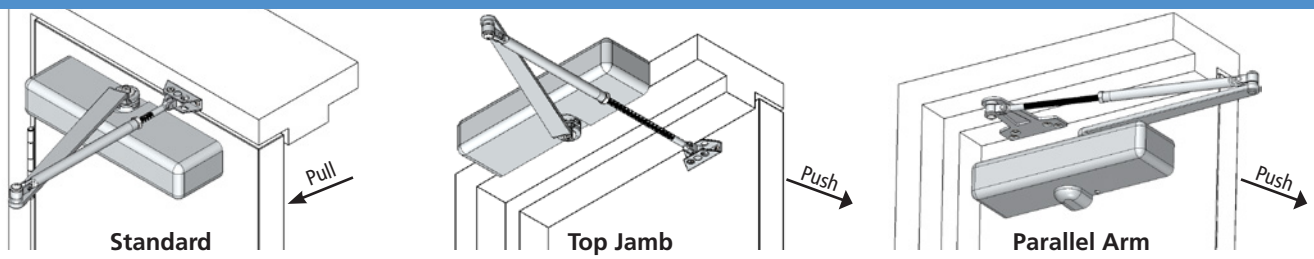
INSTALLATION TYPES



Standard | Top Jamb | Parallel Arm

SELECTION CHART

TYPICAL INSTALLATIONS (REGULAR ARMS SHOWN) Hold-Open Arms are similar

MODEL NO.		Size
Tri-packed; With Back-Check	Tri-packed; With Delayed Action	
8051-TP	8052-TP	1-6

Regular & Top Jamb				Parallel Arm			Applicable Door Weight Lbs (Kg)
Maximum Size of Door							
Closer Size	Interior	Exterior Inswing	Exterior Outswing	Closer Size	Interior	Exterior	
1	28″ (0.71m)			1			33-66 (15-30)
2	36″ (0.91m)			2	30″ (0.76m)		66-99 (30-45)
3	42″ (1.07m)	30″ (0.76m)	36″ (0.91m)	3	36″ (0.91m)	30″ (0.76m)	99-143 (45-65)
4	48″ (1.22m)	36″ (0.91m)	42″ (1.07m)	4	42″ (1.07m)	36″ (0.91m)	143-187 (65-85)
5	54″ (1.37m)	42″ (1.07m)	48″ (1.22m)	5	48″ (1.22m)	42″ (1.07m)	178-264 (85-120)
6	60″ (1.52m)	48″ (1.22m)	54″ (1.37m)	6	54″ (1.37m)	48″ (1.22m)	264-330 (120-150)

PARTS AND ACCESSORIES - SERIES 8001-TP

Parts	Description	Part #
	Main Arm	520
	Regular Forearm	521
	Hold-Open Forearm	522
	Parallel Bracket for Regular Arm	525
	Flat Drop Bracket for Closers - With Dress Cover	547
	FTop Jamb Bracket	TJB-54
	Dress Cover	DC-8000
	Thru Bolt & Grommet Nut (Set of 4 each)	TBGN-50
	Sex Nuts & Bolts	18-SN

NOTE:
Doors of unusual height or weight, or doors subject to severe wind or draft conditions, or abusive usage, require one or two more full turns of hex spring adjustment nut than shown on the Installation instructions.

SPECIFY:
Closer Model or Part Number

SPECIFY FINISH:
Al-Aluminum
DU -Storefront Bronze

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ADJUSTABLE SPRING POWER - SURFACE GRADE 1 CLOSER

9000-TP SERIES

GRADE 1 • ADA HANDICAP

UBC 7.2 1997 PART 1

c UL us LISTED

UL LISTED

10 YEAR WARRANTY

FEATURES

- **Model 9001-TP**: Adjustable spring power (1-6) Opening Force with adjustable back check and delayed action controlled by a separate regulating valve.
- ADA (Handicap) multi-sized closer with adjustable Spring Power for a range of sizes adjustable after installation.
- Two Speed Control Valves: Closing and Latching speeds controlled by separate regulating valves, adjustable after installation.
- Universal Application: Non handed for standard, top jamb or parallel arm installation (parallel arm bracket included).
- Rack and pinion mechanism contained in a high tensile precision cast aluminum housing.
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- Furnished with a high impact molded PVC Dress Cover (door closer body casting is finished for use without the dress cover).
- Optional hold-open arms available.
- Hold-open arms are adjustable for holding from 90° to 180°

- Adjustment Valves

FINISHES

- AL - Aluminum
- DU - Storefront Bronze

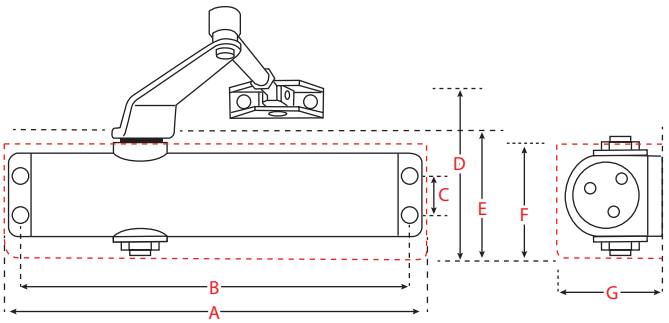
View 3D Model Online

COMPLIANCE STANDARD

- ANSI A 156.4 Grade 1 Certified
- UL/C-UL Listed
- Underwriters' Laboratories Inc. Listed UL 10B and UL 10C Compliant for positive pressure
- Certified to Conform to UBC 7-2 (1997, UL 228)
- Barrier Free Operation to Comply with Federal Accessibility Standards (ADA): Complying with ANSI A117.1 (4.13.11)

TECHNICAL DIMENSIONS

Description	NO DRESS COVER
	9001-TP
A. Length of Closer Body	11 7/8"
B. Horizontal Mounting Holes	11 1/8"
C. Vertical Mounting Holes	3/4"
D. Overall Height	4 9/16"
E. Top of Door to Bottom of Closer	3 5/16"
F. Closer Body Height	2 13/16"
G. Projection from Door	2 9/16"



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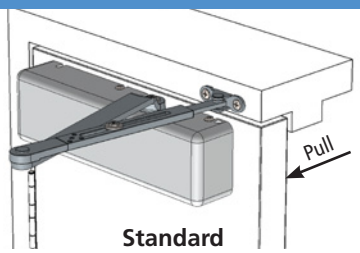
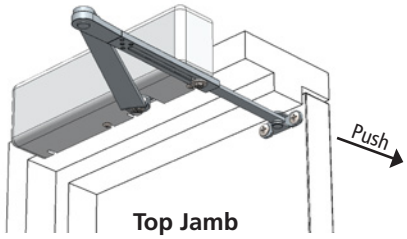
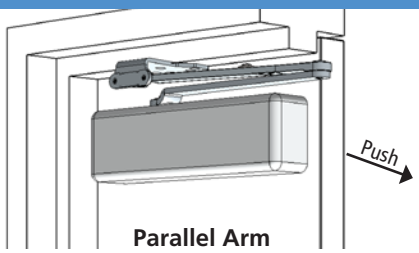
INSTALLATION TYPES



Standard



Top Jamb



Parallel Arm

SELECTION CHART

TYPICAL INSTALLATIONS (REGULAR ARMS SHOWN) Hold-Open Arms are similar

MODEL NO.	TYPE
Back-Check / Delayed Action	
9001-TP	Regular Arm

PARTS AND ACCESSORIES - 9001-TP (PAINTED FINISH ONLY)

Parts	Description	Part #
	Complete Arm Assembly	901
	Hold-Open Forearm	522
	Top Jamb Forearm Extender	514
	Parallel Bracket for Regular Arm	525
	Flat Drop Bracket	9007
	Top Jamb Bracket	TJB-9000
	Thru Bolt & Gromnet Nut (Set of 4)	TBGN-50
	Sex Nuts & Bolts	18-SN

Comparison Chart 9000 Series									
International® Series 9000	Norton 8500	Yale 3000	Dorma 6600 & 7600	Dor-O-Matic/ LCN SC80 1460	Global TC400 TC500	Cal Royal 900	Sargent 1230 1430	Jackson 600	Parker 900

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FLOOR CLOSER SPRINGS

ST75 SERIES

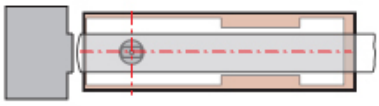
GRADE 1 • MEDIUM DOORS

FEATURES

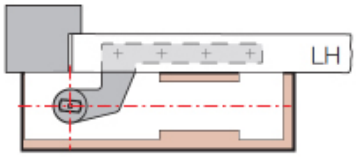
- Closing from 175˚ in both door swing directions with hydraulic control from 170˚
- Adjustable closing speed (175˚~15˚) and latching speed (15˚~0˚)
- Cast aluminum body.
- Universal cover plate in stainless steel.
- Mechanical Back Check function.
- Cement box in hot zinc plated.
- Extended spindle.

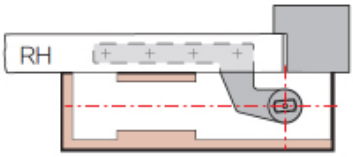
- Floor spring with fix closing force for medium doors.
- Certified in compliance with EN 1154 /UL / ANSI 156.4 Grade 1
- Suitable for fire and smoke protection doors (No fire test conducted yet)
- For double and single action door up to 120kg

APPLICATION AND INSTALLATION

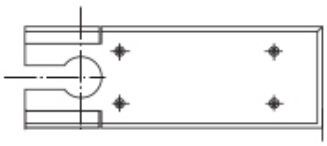


Double action door mounting





Single action door mounting



Application for LH offset pivoted door

Application for RH offset pivoted door

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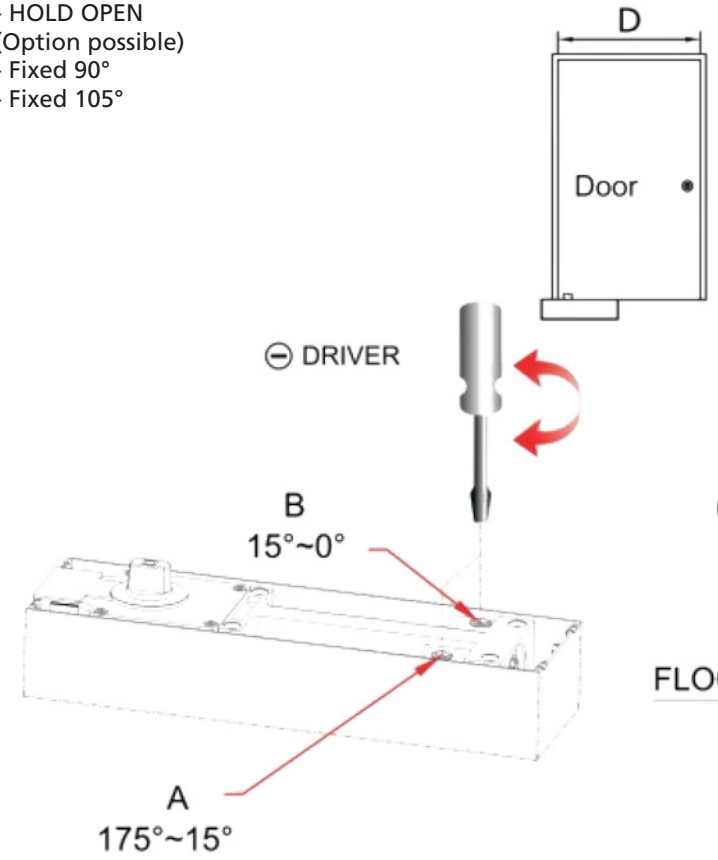
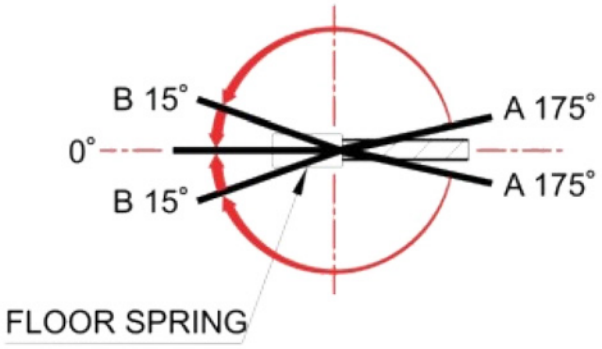
STANDARD AND OPTIONAL FUNCTIONS

• ADJUST CLOSING SPEED
- VALVE "A" - controls closing speed from MAX. OPENING 175°-15'
- VALVE "S" - controls closing speed from 15°-0'
- MECHANICAL BACKCHECK
- HOLD OPEN
(Option possible)
- Fixed 90°
- Fixed 105°

Model No.		ST75	
Power Size		EN2	EN3
Spring strength adjustment		___	___
Standard and (D) External doors	≤ 850	•	
	≤ 950		•
Max. leaf weight		264lbs	





TECHNICAL ATTRIBUTES

Spring Strength (EN)		2	3
Standard and external doors	≤ 850mm	•	
	≤ 950mm		•
Max. leaf weight(lbs)		264lbs	
Non-Handed		•	
Closing speed adjustable by valve	175°-15° 15°-0°	• •	
Backcheck (Mechanical)		•	
Hold-open	Fix	90° or 105°	
Weight (lbs)		11	
Dimensions in mm	Lenght Width Height	285 82 50	
Floor spring tested to EN 1154		•	
ANSI 156.4 Grade 1		•	

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STANDARD AND OPTIONAL FUNCTIONS

PREFIXES

ST **7** **0** **0** **0**

FIRST DIGIT
Explain the model name

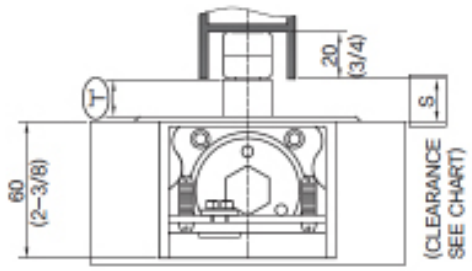
SECOND DIGIT
Explain the power sizing
"2" : EN 2
"3" : EN 3

THIRD DIGIT
Indicate including Spindle or not.
"0" : Without Spindle
"1" : Standard Spindle (T=3lbs)
"2" : Other Spindle (separate order required)

FORTH DIGIT
Indicate including cover plate finish.
"0" : Stainless steel
"1" : Polished chrome
"2" : Polished brass

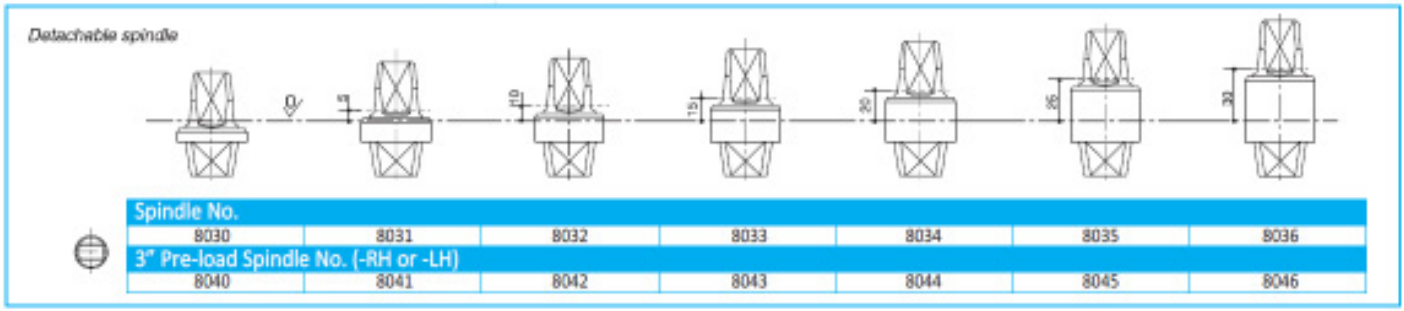
Note,
Information **about the other** accessories **can be found in the next page for square type spindle and bottom arm, top pivots.**

SPINDLE



A range of interchangeable spindles is available to provide greater floor clearance if required (e.g. door with thresholds, carpeted floors etc.)
Special spindles available on application: e.g. with flat face profile and 3· offset or square section ; spindles for MAS specific accessory also available.

Calculating the necessary length of spindle extension:
Extension S : Floor clearance (normally 8mm)
Collar height T of extended spindle inserts : Spindle extension length + 3mm (collar of the standard spindle insert)



Spindle No.						
8030	8031	8032	8033	8034	8035	8036
3" Pre-load Spindle No. (-RH or -LH)						
8040	8041	8042	8043	8044	8045	8046

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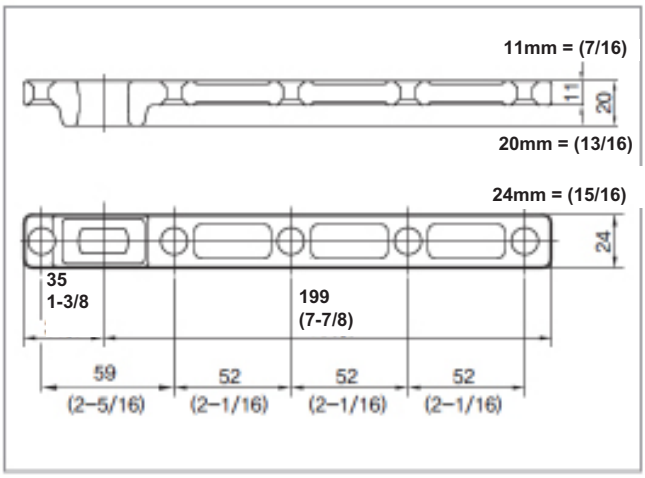
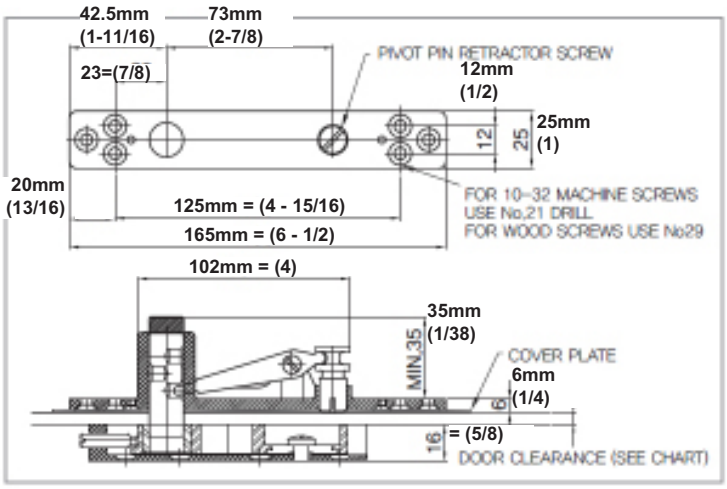
STANDARD ACCESSORIES

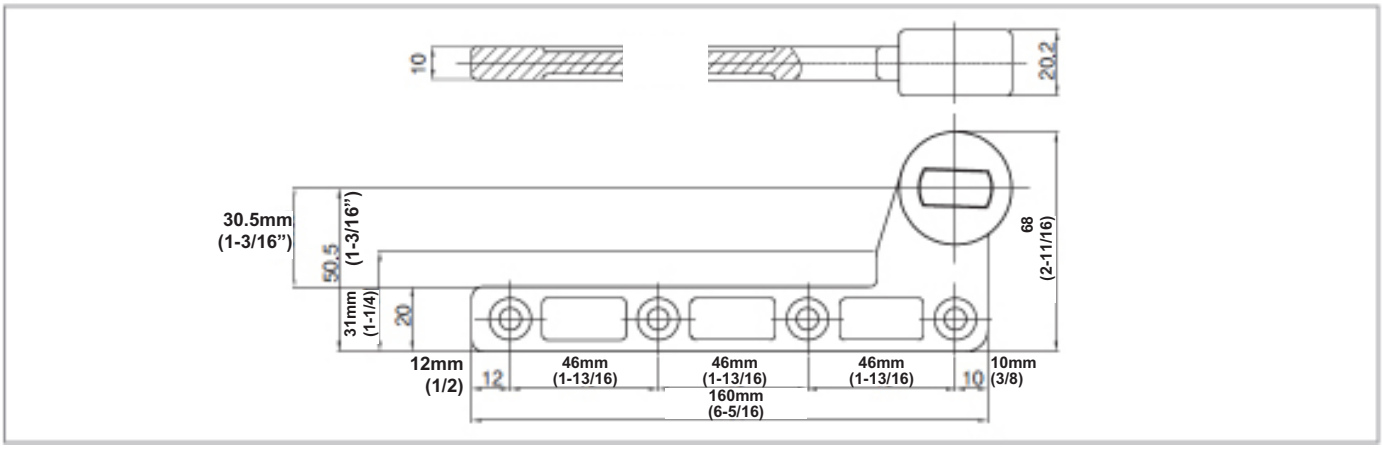
Standard bottom arm 8011



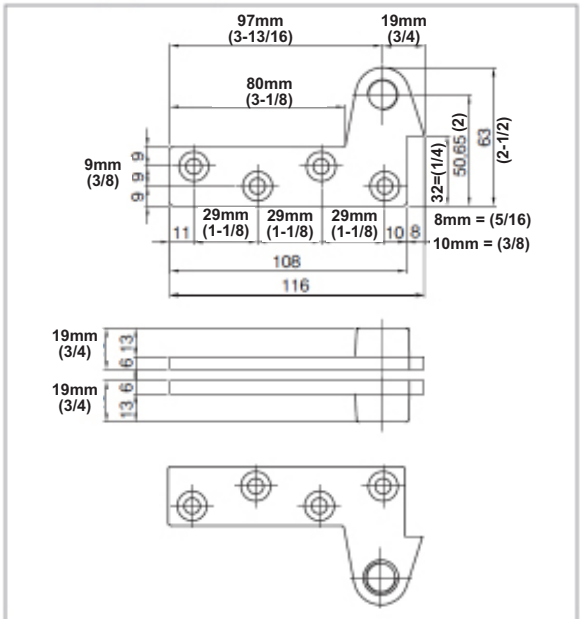
Standard top pivot 8012



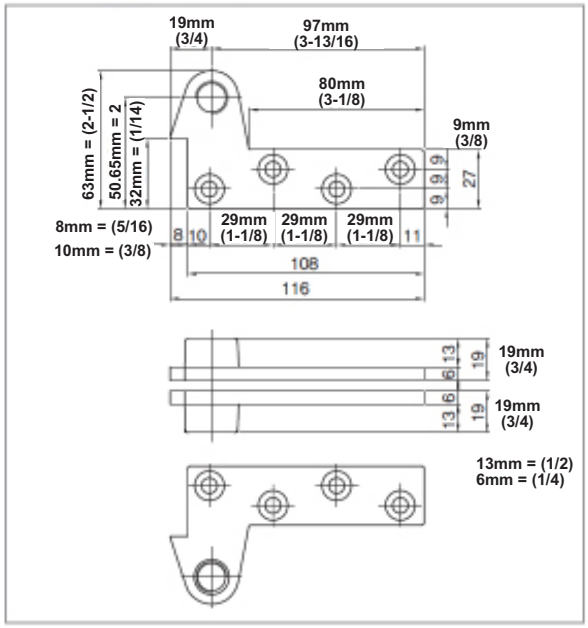
Offset arm (right & left) 8021



Offset top pivot (right) 8023



Offset top pivot (left) 8024



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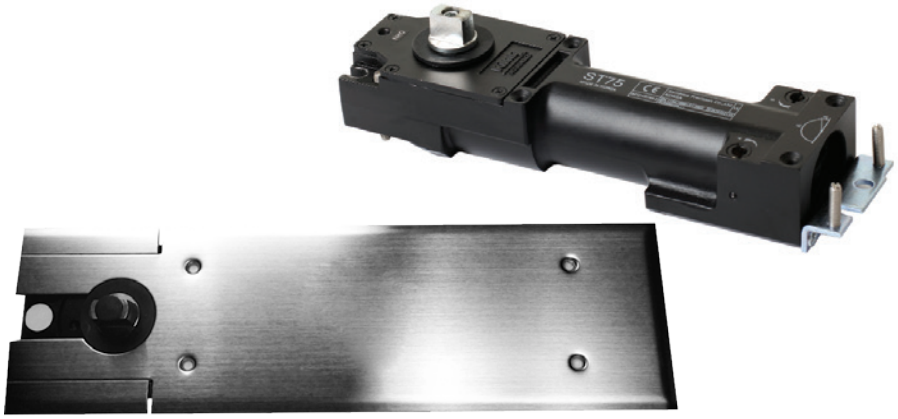
FLOOR SPRINGS

ST80 SERIES

ADJUSTABLE • LARGE AND HEAVY DOOR



FEATURES

- Closing from 175° in both door swing directions with hydraulic control from 170°.
- Three thermodynamic valves for consistent performance.
- Adjustable closing speed (175°-15°) and latching speed (15°- 0°) from lop regulating valves.
- Adjustable hold-open or delay action angle 80°- 175°.
- Cast iron body
- Cement box in hot zinc plated.
- Universal cover plate in stainless steel.
- Extended spindle.

Floor spring with adjustable closing force for large and very heavy doors. Certified compliance with EN 1154 Adjustable size 3-6 or fixed 4, 5, 6 Suitable for fire and smoke protection doors (No fire test conducted yet) For double and single action door up to 661lbs

THE ADVANTAGES OF A GLANCE

Project Planners	Extensive range of uses: Fire and smoke protection doors as well as standard doors. Variable hold open between 80°-175° or delay action. Independent closing and latching valve for easy control. Variety of available spindles: square Italian, square French, rectangular German. Architectural finishes: cover plate in polished stainless steel, satin stainless steel, polished brass.
Builders	Universal for left/right handed and double action doors. Over pressure relief valve to protect unit against abuse. Large range of adjustment within cement box to solve possible alignment problems on the site without taking down the door. Meet door weight up to 661lbs.
Traders	Reduced inventory costs due to modular product range. One single product suitable for a large variety mounting positions. Complementary accessories available for the whole product range. Extensive interchangeable.
User	Adjustable operating force to meet door construction requirements and user needs. Easier door opening and improved accessibility due to Gam-Motion technology. Backcheck feature offers optimum protection for doors and walls, Independent closing and latching valve for easy control variable hold open range

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TECHNICAL ATTRIBUTES

TECHNICAL ATTRIBUTES		ST80			ST80p
Spring Strength (EN)		4	5	6	3~6
Spring strength adjustment		_	_	__	•
Standard and external doors	≤ 950mm	_	_	_	_
	≤ 1100mm	•	_	_	•
	≤ 1250mm	_	•	_	•
	≤ 1400mm	_	_	•	•
Max. leaf weight(lbs)		661			
Non-Handed		•			
Single and Double action doors		•			
Closing speed adjustable by valve	175°-85°	•			
	85°-15°	•			
	15°-0°	•			
Backcheck(Mechanical)		•			
Delayed action adjustable by valve (Selectable alternative to the hold-open feature)		•			
Hold-open	Adjustable	•			
Weight(lbs)		19			
Dimensions in mm	Length	341			
	Width	78			
	Height	60			
Floor spring tested to EN 1154		•	o	o	•
CE mark for building products (Products with factory- fitted hold- open do not carry a CE mark)		–	–	–	–
ANSI 156.4 Grade 1		•	_	_	*

HOW TO ORDER

PREFIXES

ST **8** **0** **0** **0**

FIRST DIGIT
Explain the model name

SECOND DIGIT
Explain the power sizing
"0" : EN 3~6
"4" : EN 4
"5" : EN 5
"6" :EN 6

THIRD DIGIT
Indicate includng Spindle or not.
"0" : Without Spindle
"1" : Standard Spindle (T=3lbs)
"1"` : Other Spindle (separate order required)

FORTH DIGIT
Indicate includng cover plate finish.
"0" : Stain stainless steel
"1" : Polished chrome
"2" : Polished brass

Note,
Informalion **about the other** accessories **can be found in the next page for square type spindle and bottom arm, top pivots.**

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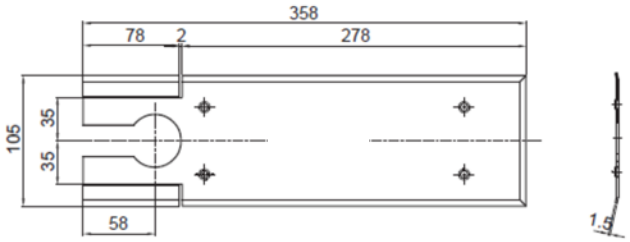
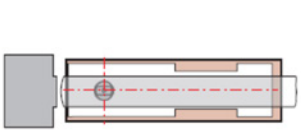
COVER PLATE

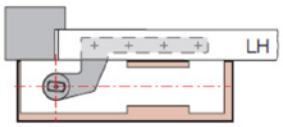


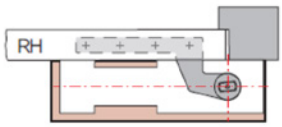
Adaptable to right or left hand single action applications by simply snapping off the appropriate pre-blanked corner sections. For double action doors the corner sections remain in place

APPLICATION AND INSTALATION

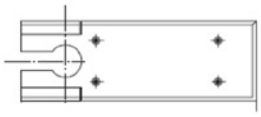


Double action door mounting

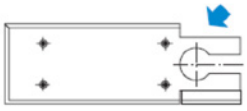




Single action door mounting

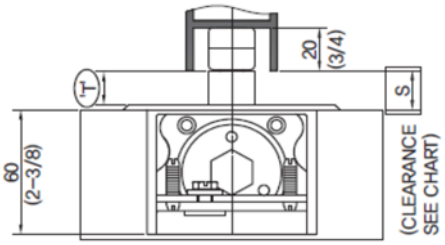


Application for LH offset pivoted door



Application for RH offset pivoted door

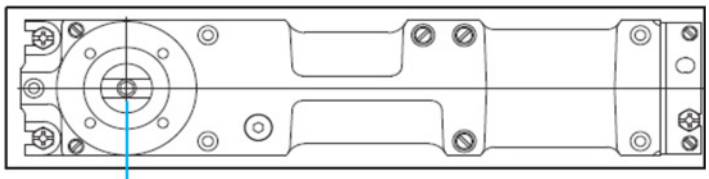
SPINDLE



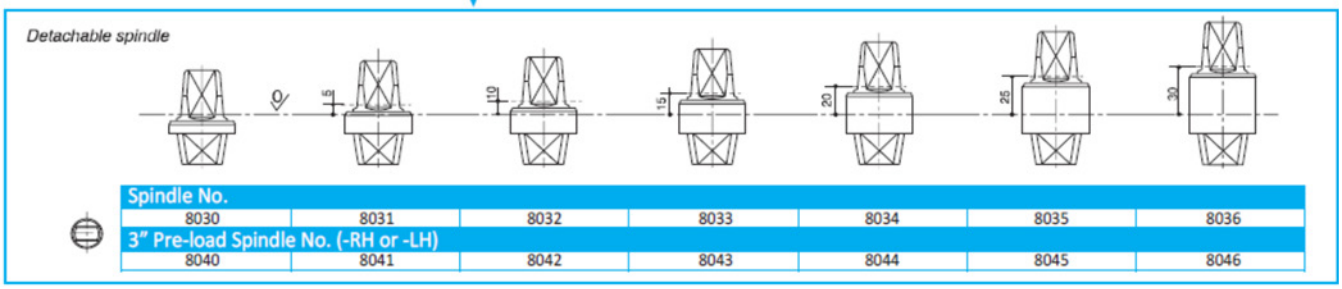
A range of interchangeable spindles is available to provide greater floor clearance if required (e.g. door with thresholds carpeted doors etc.)

Special spindles available on application: e,g. with flat face profile and 3-offset or square section ; spindles for MAS specific accessory also available.

Calculating the necessary length of spindle extension:
Extension S: Floor clearance (normally 8mm)
Collar height T of extended spindle inserts: Spindle extension length : 3mm (collar height of the standard spindle insert)



Spindle interchangeable



Spindle No.						
8030	8031	8032	8033	8034	8035	8036
3" Pre-load Spindle No. (-RH or -LH)						
8040	8041	8042	8043	8044	8045	8046

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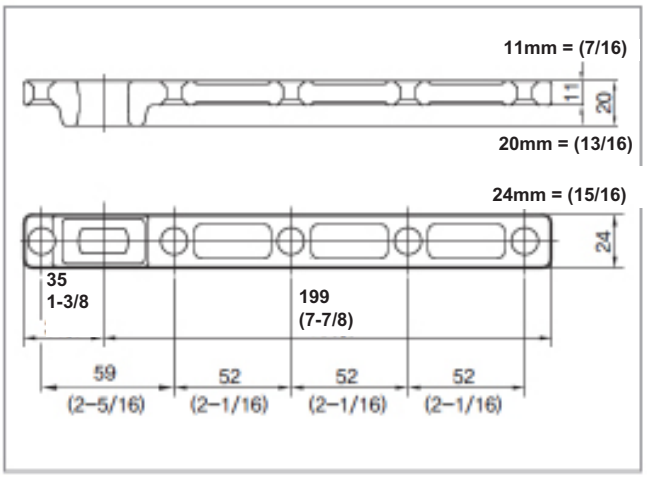
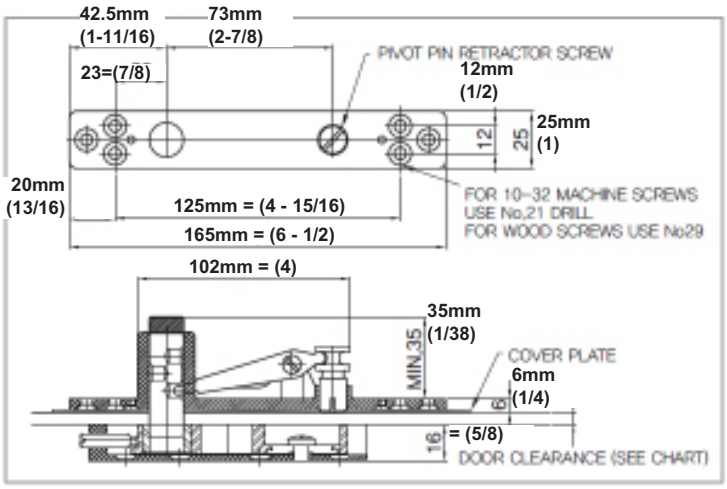
STANDARD ACCESSORIES

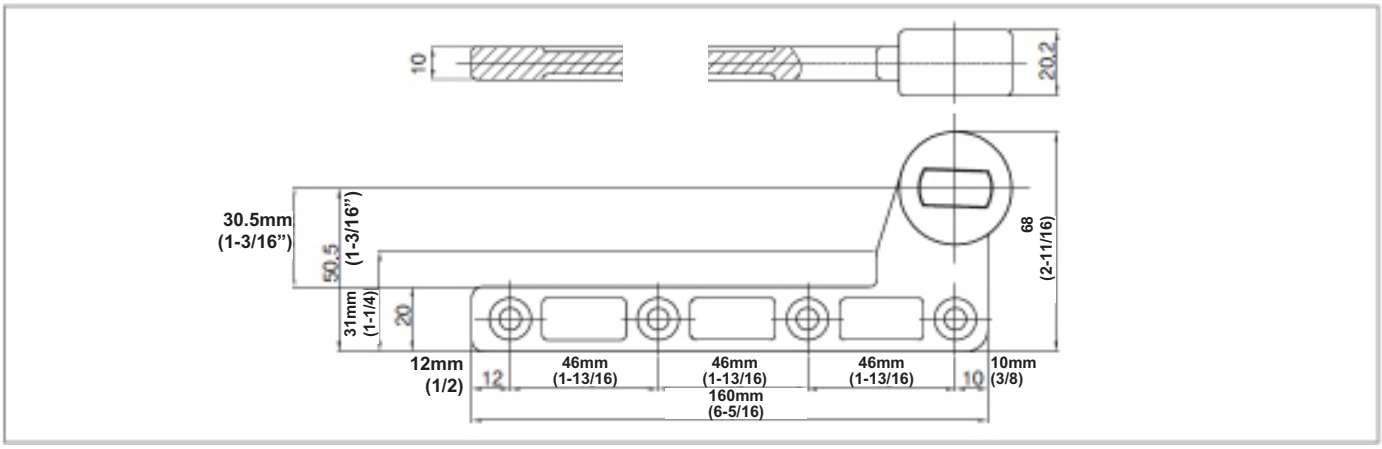
Standard bottom arm 8011



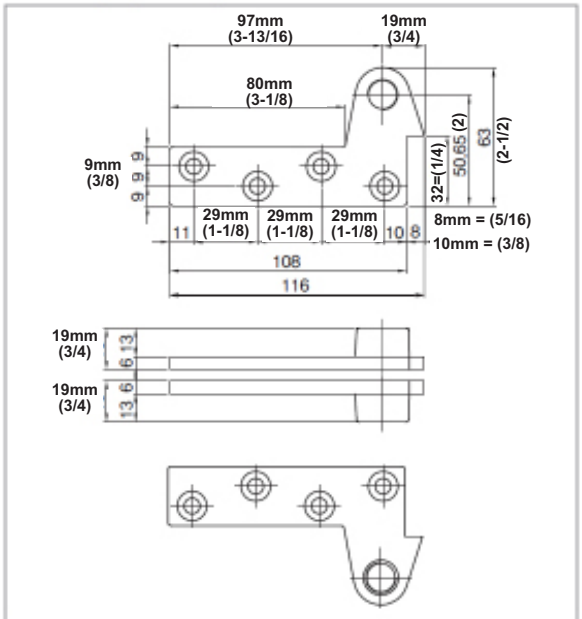
Standard top pivot 8012



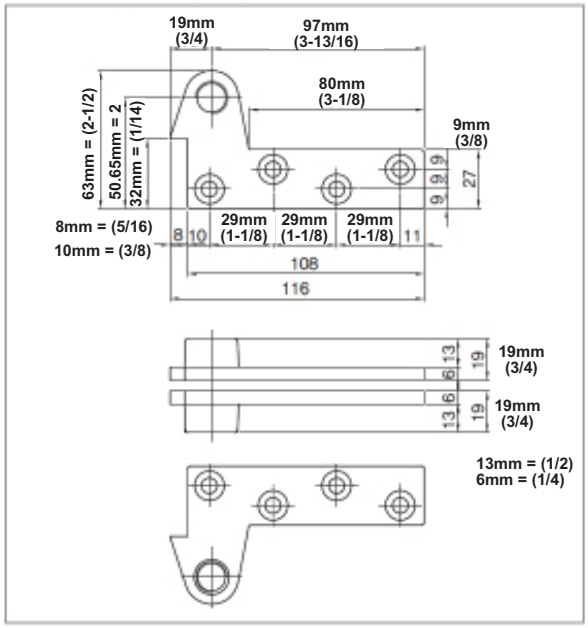
Offset arm (right & left) 8021



Offset top pivot (right) 8023



Offset top pivot (left) 8024



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DISTRIBUTOR OF TUCKER
AUTO-MATION DOOR PRODUCTS

POWER PEDESTRIAN SWINGING DOORS

SW19.10 & SW10.10

■ ALUMINUM **END CAPS**

FEATURES

ARCHITECTS AND BUILDING OWNERS ALL AGREE THEY NEED TO FIND WAYS TO :

- ELIMINATE
- FRIVOLOUS LAWSUITS
- GUARANTEE SUSTAINABILITY
- HIRE A DEPENDABLE NETWORK OF DOOR PROFESSIONALS
- UNCOVER HIDDEN COSTS
- GATHER MORE BUSINESS INTELLIGENCE LIKE STORE TRAFFIC OR BUILDING MAINTENANCE COST
- PROVIDE A SECURE AND MONITORED FACILITY
- COMPLY WITH THE LATEST BUILDING CODES UL / CUL, AND ACCESSIBILITY GUIDELINES MANDATED BY THE LAW

THEY REALIZE A DOOR IS NOT... "**JUST A DOOR**" BUT :

- A POINT OF ENTRY/EXIT
- A STRATEGIC AREA FULL OF PROMISING DATA
- AN AREA WHERE ALL TRAFFIC CONVERGES
- A SPACE WHERE YOU CAN CAPTURE ALL IMAGES

THE ALL IN ONE ENTRANCE SOLUTION

- NON-HANDED
- SELF-TUNING, SELF-LEARNING
- EXTREMELY SILENT
- COMPLIES WITH ANSI A156.19 & A156.10
- UL - CERTIFIED FOR USE AS FIRE DOOR OPERATORS (3 HOUR RATING)
- COMPLIES WITH ALL US AND CANADIAN ADA REQUIREMENTS

■ SW19.10 — LOW ENERGY

- MIN 5 SEC FROM CLOSE TO OPEN
- STAY OPEN FOR 5 SEC
- FORCE: 15 lbs - 6.8 kg
- PUSH OR PULL (IN DOOR OUT SWING)
- ACTIVATION: KNOWING ACT
- SAFETY DEVICE: OPTIONAL

■ SW10.10 — FULL ENERGY

- MIN 1.5 SEC FROM CLOSE TO OPEN
- STAY OPEN 1.5 SEC
- FORCE: 30 lbs - 13.6 kg
- PUSH OR PULL (ARM APPLICATION)
- ACTIVATION: MOTION DETECTOR OR KNOWING ACT
- SAFETY DEVICE: DOOR-MOUNTED SENSOR OR OVERHEAD PRESENCE SENSOR

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PEDESTRIAN GATE CLOSER

SWINGER 300

HYDRAULIC

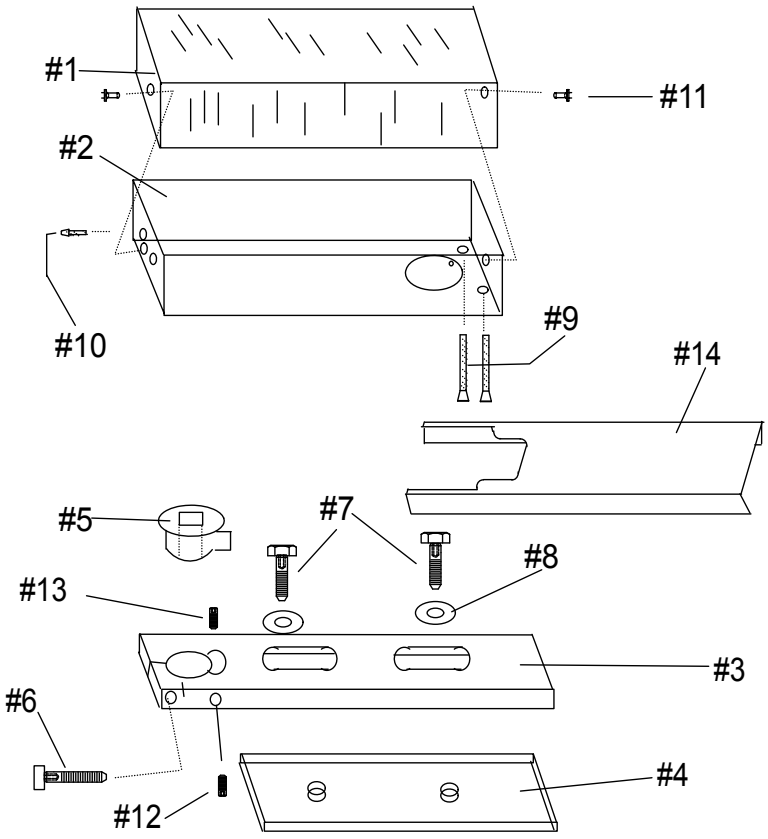
5 YEAR WARRANTY

FEATURES & ADVANTAGES

- Tough, Dependable and Vandal Resistant.
- 2" x 4" x 12" 16 gauge galvanized Steel housing.
- Gate closer manufactured for pedestrian gates.
- Two Separate Closing and Latching valves adjustable after installation without removing the closer.
- Adjustable spring power to accommodate various size gates.
- Non Handed (right or left swing).
- Opens to full 105 degrees.
- Fully adjustable top arm for proper gate alignment.
- Adjustable zinc plated Bottom Hinge with sealed ball bearings rated for 350 lbs. Slotted Yoke for Adjustability.
- Designed to close gate into its latch position without slamming.
- Smooth operation.
- Factory tested to over 1,000,000 cycles.

Parts List

Item	Description	Quantity	Part #
1	Housing Cover	1	311-LBC
2	Housing Box	1	311-BC
3	Arm	1	311-GB
4	Steel Plate	1	311-SP
5	Bushing	1	311-BB
14	U-Channel Arm cover	1	311-UC
15	Single Bearing Hinge (Not shown)	1	311-BH
16	Hydraulic Closer (Not shown)	1	311RVLS
311 SW Screw Package Kit			
6	¼-28x1" Socket head cap screw	1	311-SW
7	3/8-24 x ½" #5 Hex head bolt	2	
8	3/8" USS-SAE Flat washer	2	
9	¼-20 x 1-1/4" Flathead screws	2	
10	¼-20 x ½" Button head screws	2	
11	10-32 x ¼" Button head screw	2	
12	¼-20 x 5/8" Socket set screw	1	
13	¼-20 x 1/2" Socket set screw	1	



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CHAIN TENSIONER

Series IDC4041

Model 4041-1 & 4041-2

FEATURES

- **STRONGER:** Higher tensile strength than the roller chain, tested up to 8000LBS.
- **SAFER:** No more threaded rods protruding from the chain bracket.
- **CLEANER:** Can be painted or powder coated to match gate color.
- **LONG LASTING:** Captures roller chain.
- **EASY TO USE:** Easy to install and adjust chain tension.
- **SMARTER:** Eliminates costly service calls due to master link or tension bolt failures

4041-1

4041-2

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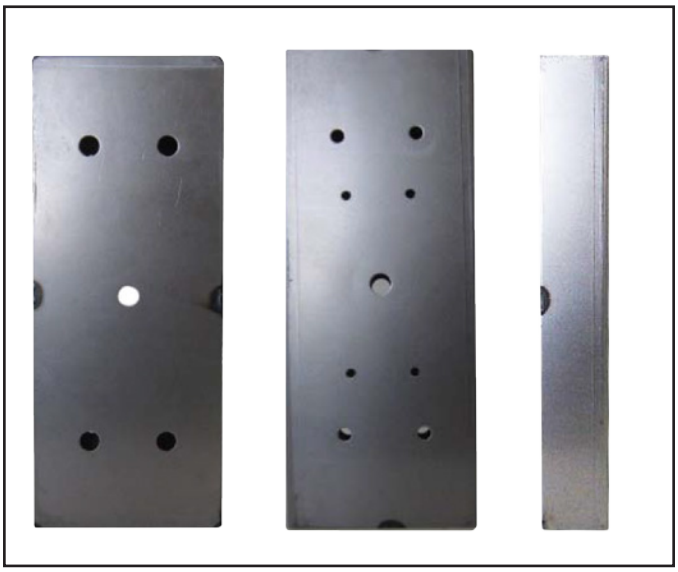
GATE BOX

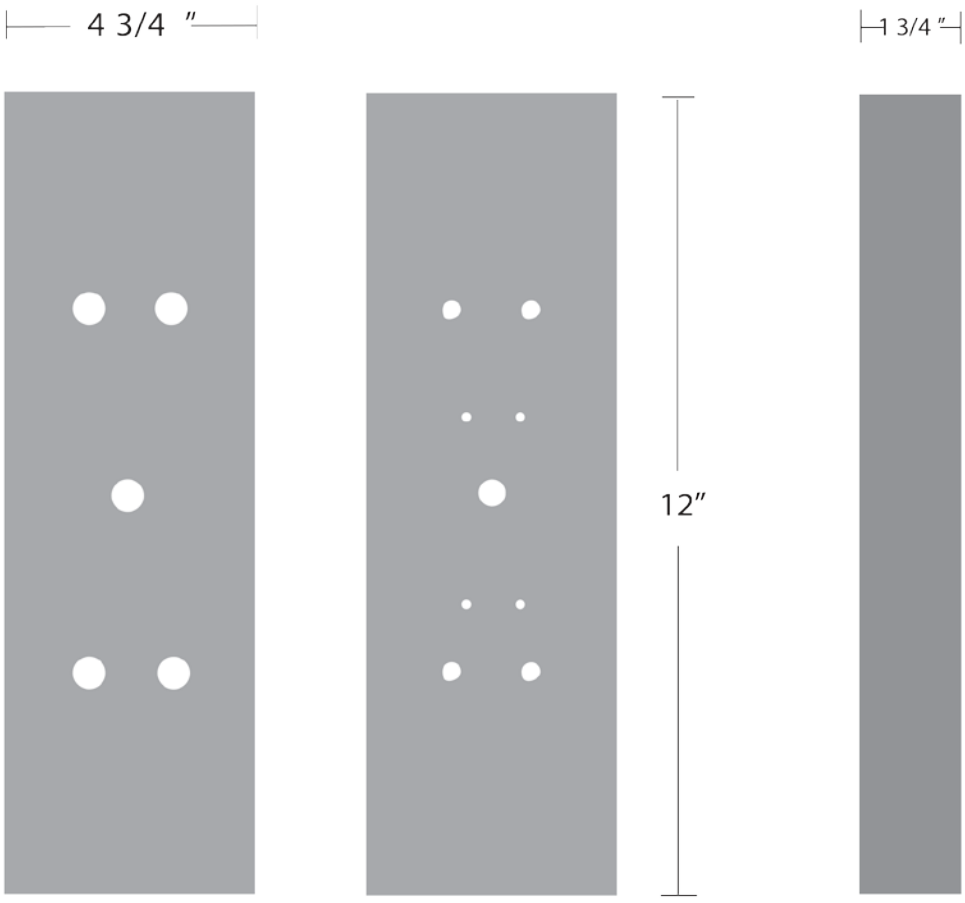
K-BXED-INT

Weldable Box

FEATURES

- **TYPE:** Panic Hardware
- **DIMENSIONS:**
  4 3/4" W x 12" H x 1 3/4" D
- **MATERIALS AVAILABLE:**
  14 Gauge Steel
  K-BXED-INT
  International Panic Hardware Gate Friendly





This rendering is NOT to scale and dimensions are NOT exact. For precise technical information, please refer to the template for the lock you are using.

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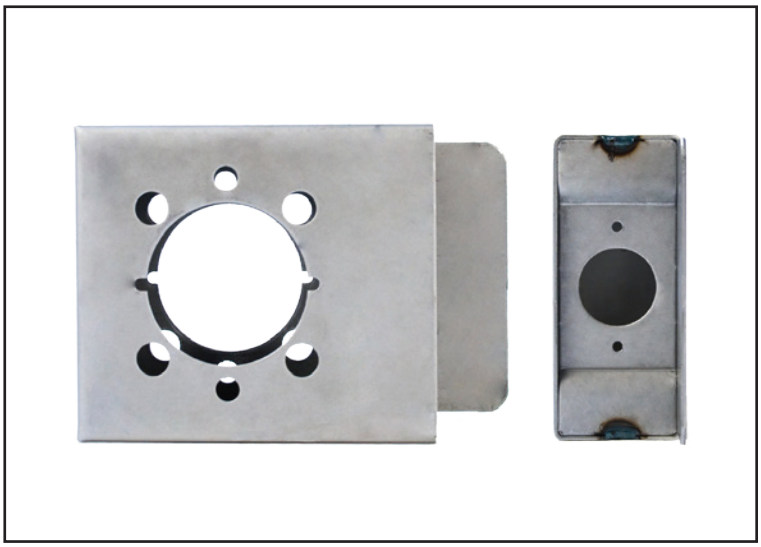
GATE BOX

K-BXRHO

Weldable Box

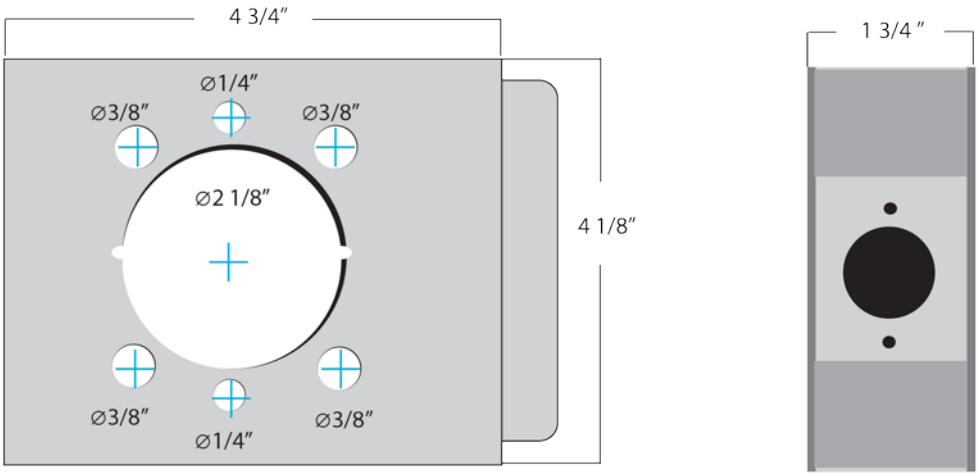


FEATURES

- **TYPE:** Cylindrical
- **DIMENSIONS:**
  4 3/4 "W x 4 1/8"H x 1 3/4"D
- **MATERIALS AVAILABLE:**

14 Gauge Steel	K-BXRHO.125
.125 Aluminum	K-BXRHO-AL

- **NOTE:** Through Bolt Levers



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ELECTROMECHANICAL GATELOCK FOR ACCESS CONTROL

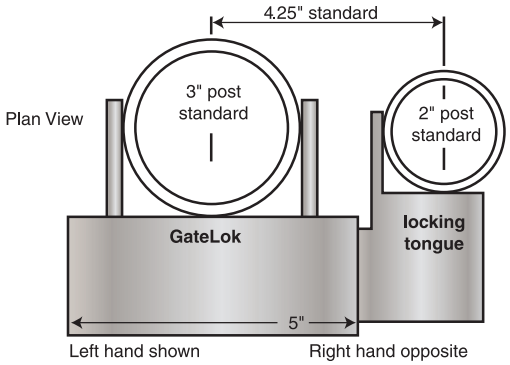
GL160/GL260 GATELOCK

FOR TUBULAR STEEL AND WROUGHT IRON GATES

Electromechanical GateLock for Access Control of Tubular Steel and Wrought Iron Gates

Higher Security than Electromagnetic Locks

Made in the USA



The IDC GL160 and 260 series electromechanical GateLoks are designed to provide access control and remote locking and unlocking capability for manual or automatic chain link, tubular steel and wrought iron sliding or swinging gates.

Available in either failsafe (locked when energized) or failsecure (unlocked when energized) the electromechanical GateLok provides a higher degree of security than electromagnetic locks. Locking and unlocking may be accomplished with an access control such as a card reader, digital keypad or remote control.

All GateLoks are designed for a 3" (76mm) fence post and 2" (51mm) gate post and are adaptable to smaller sizes.

Features

- Higher Security than Electromagnetic Locks
- Solid Stainless Steel 0.625" (15.9mm) diameter locking bolt
- Continuous duty operation
- Low current draw
- Auto relock switch
- Heavy gauge 0.125" (3.2mm)
- Weather sealed steel housing
- Access control compatible

Operation

The GL160A/GL260A GateLocks may be unlocked by an access control and remote control. While handing is required they are field reversible.

The GL163A GateLock may be unlocked by an access control, remote control and built-in keyswitch. Handing is required and they are not field reversible.

The GL263A GateLock may be unlocked by an access control, remote control and built-in mechanical key. The mechanical key is for momentary override and does not maintain a sustained unlocked mode. Handing is required and the lock is not field reversible.

Standard with all GateLocks the adjustable Auto Relock Switch keeps the bolt retracted until the gate is in the closed position.

Models

GL160AI	Failsafe, 12/24VDC
GL163AI	Failsafe, built-in keyswitch 12/24VDC
GL260AH	Failsecure 12/24VDC
GL263AH	Failsecure, built-in keyswitch, 12/24VDC
GL260MRAH	Failsecure, mechanical key release, 12/24VDC

Mortise key cylinder provided by others.

Hand

LH Left Hand **RH** Right Hand

Options

D	Gate position sensor SPDT, 10Amp @ 30VDC
B	Bolt lock position sensor, 10Amp @ 30VDC
BR64XL	Rectifier for AC operation

Specifications

Size	5"W x 6.5"H x 2"D (127 x 16.5 x 50.8mm)
Material	0.125 (3.2mm) Steel
Bolt	0.625" dia. x 0.625" throw (15.9mm x 15.9mm)
Key Cylinder	ANSI 1.125" or 1.250"

Standard or interchangeable core mortise key cylinder. Provided by others.

Failsafe	12/24 VDC 900/450mA
Failsecure	12/24 VDC 900/450mA

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SLIDING DOORS

ENTRA-SLIDE SL10.4L

NO WHEELS NO TRACKS

LINEAR BEARING MOTION BELT DRIVE

FEATURES AND BENEFITS

- A self-supporting structural header with full hinged covers
- A microprocessor control with self-diagnostic 13 LED light visual indicators.
- Full break-out capability
- Full vertical height interlock with double weather strip seal
- Electronic locking device

International Door Closers offers automatic and manual sliding door systems to answer any entrance requirements

TECHNICAL FEATURES:

- RELIABLE AND SAFE OPERATION
- EASY INSTALLATION AND SERVICE
- HIGH SPEED & SMOOTH OPERATION
- USER FRIENDLY LCD-DISPLAY FOR SETTINGS AND ADJUSTMENTS
- LOWER COST OF OWNERSHIP
- FULL VERTICAL HEIGHT INTERLOCK WITH DOUBLE WEATHER STRIP SEAL
- HI-TECH BEARING MOTION
- MEETS **ANSI A156.10** GUIDELINES FOR COMMERCIAL APPLICATIONS
- EASY MANUAL SLIDE OPERATION IN CASE OF POWER FAILURE
- BRUSHLESS DC-MOTOR AND ENCLOSED HYPOID GEAR SYSTEM
- MICROPROCESSOR CONTROL WITH SELF-DIAGNOSTIC CONTROL BOARD
- ELECTRONIC LOCKING DEVICE

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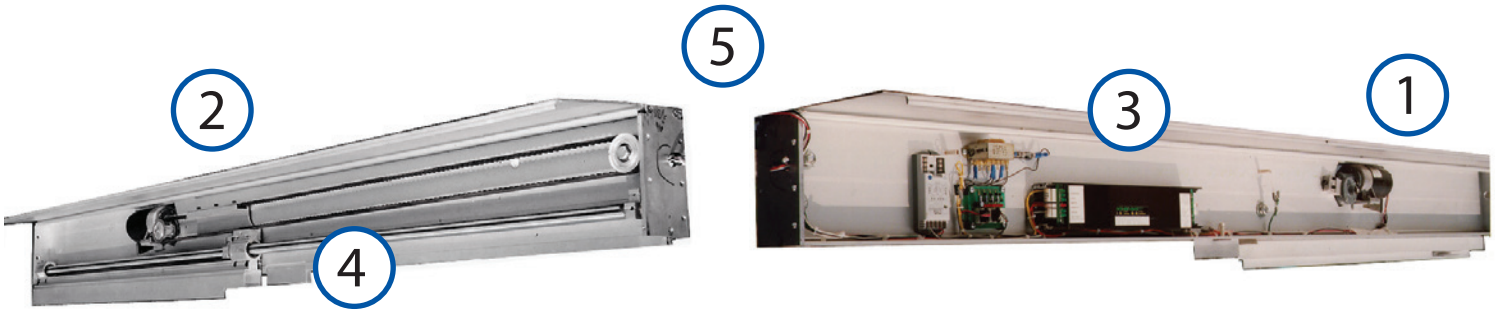
PRODUCT DESCRIPTION & SPECIFICATIONS

ENTRA-SLIDE SL10 4L - DETAILED SECTIONS



SYSTEM FEATURES

1) **MOTOR:**

- DC Low Voltage
- MADE IN USA

2) **DRIVE BELT:**

- WIDE Full 1" (25mm) width.

3) **CONTROL:**

- Microprocessor with Self-Diagnostics.
- 7 segment LED display.
- Keyed plug-in wiring.
- Adjustable latch/ back check control.

4) **DOOR TRAVEL:**

- Linear Motion Ball Bearing Technology.
- 1" (25mm) chrome plated hardened steel rod. (**Corrosion Resistant**)

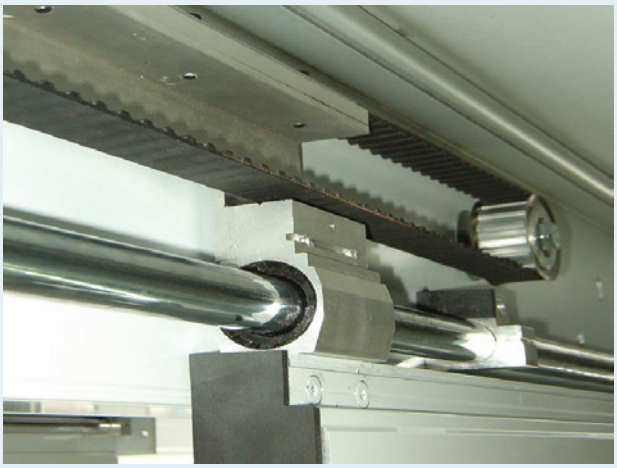
5) **SELF-SUPPORTING STRUCTURAL HEADER WITH FULL LENGTH HINGED COVERS.**

6) **FULL BREAK-AWAY CAPABILITY.**

7) **VERTICAL FULL HEIGHT INTERLOCK:**

8) **ELECTRONIC LOCKING DEVICE:**

- Enclosed in the control box.
- The panel(s) can break-out at any time.



NO WHEELS NO TRACKS

LINEAR BEARING MOTION - BELT DRIVE

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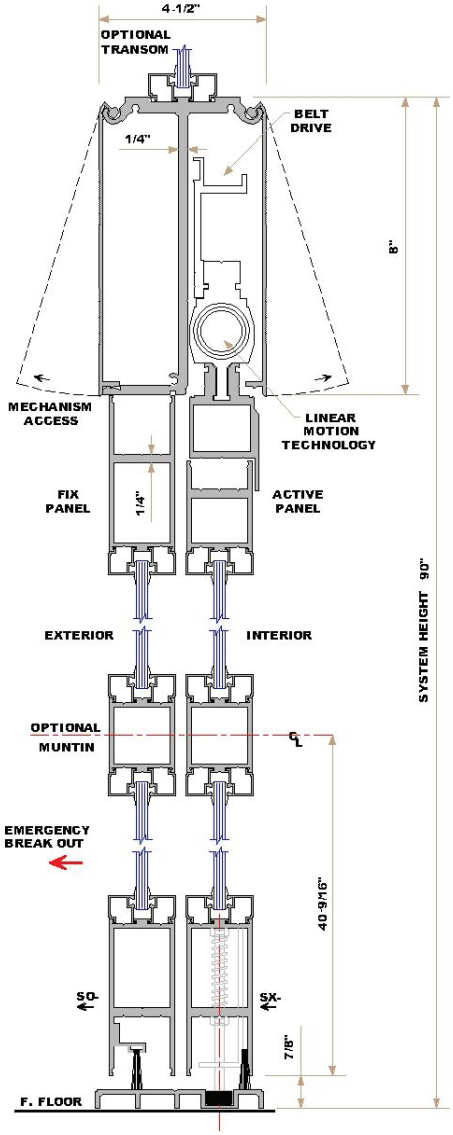
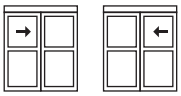
ENTRA-SLIDE SL10 4L - DETAILED SECTIONS

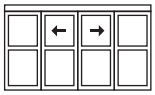


Dimension Guide

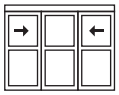
SINGLE SLIDE UNIT SIZES		
Standard Unit Width	Standard Unit Height	Standard Opening
6'-6"	7'-6"	33"
7'-0"	7'-6"	36"
8'-0"	7'-6"	42"
9'-0"	7'-6"	48"



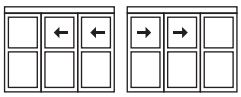
BI-PART SLIDE UNIT SIZES		
Standard Unit Width	Standard Unit Height	Standard Opening
8'-0"	7'-6"	36"
9'-0"	7'-6"	42"
10'-0"	7'-6"	48"
12'-0"	7'-6"	60"
14'-0"	7'-6"	72"



SLIDE BY SIDE UNIT SIZES		
Standard Unit Width	Standard Unit Height	Standard Opening
128"	7'-6"	38"
144"	7'-6"	44"

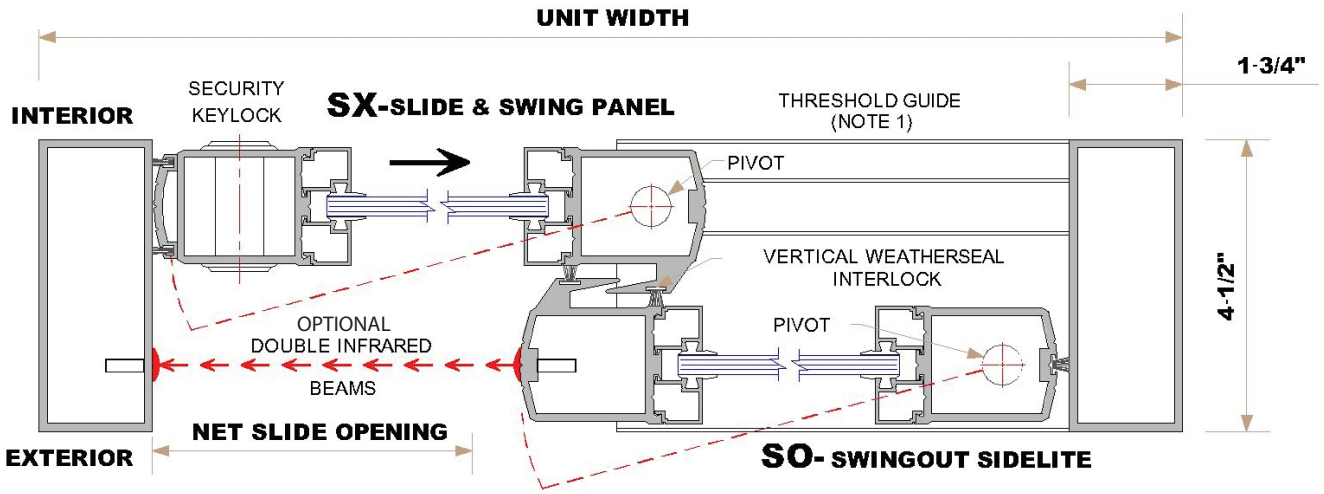


TELESCOPIC SLIDE UNIT SIZES		
Standard Unit Width	Standard Unit Height	Standard Opening
78"	7'-6"	45"
88"	7'-6"	51"
98"	7'-6"	56"



Note:

1 - Other type of bottom guide and Threshold available.
2 - Overhead concealed or surface mount.
3 - Full breakout, fixed sidelite, or pocketed.
4 - Accommodates 1/4", 5/8" or 1" glass.



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ENTRA-SLIDE SL10 4L - OPTIONS

WE ARE REVOLUTIONIZING ACCESS CONTROL WITH ONE SIMPLE SOLUTION

CAMERA S15

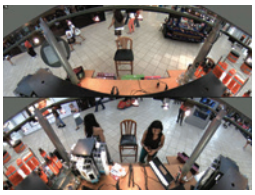
Discreet. Flexible. Hemispheric.

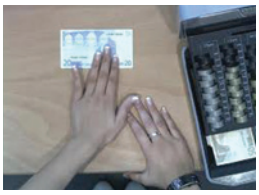
- **OPTIONAL ELECTRONIC LOCKING AND CARD READER ENTRY.**
  The industry's first panel-free IP reader controller to deliver true Power Over Ethernet, our PowerNet Reader provides the freedom to secure an unlimited number of doors without the hassle of having to wire panels or hubs.
- **OPTIONAL BATTERY BACKUP FOR UP TO ½ HOUR OF CONTINUOUS USE**
- **OPTIONAL PAINTED FINISH, POWDER COATED FINISH OR CLAD FINISH**
- **CUSTOM SIZES (CSTM) AVAILABLE, PLEASE CONSULT FACTORY FOR LIMITATIONS**

- HOLD HARMLESS INDEMNIFICATION AGREEMENT OFFERED TO END USERS. (WITH THE USE OF HIGH RESOLUTION CAMERA)
- DECENTRALIZED CONCEPT WITH MICRO SD CARD THUS ALLOWING LOWER NETWORK BANDWIDTH.
- FULL IMAGE RECORDING WITH PTZ CAPABILITIES VIA SOFTWARE (NO MOVING PARTS).
- FREE VIDEO MANAGEMENT SOFWARE (MX EASY) FOR LIFE. (NO LICENSING FEES)
- CAMERAS HAVE MICROPHONE / SPEAKER PHONE CAPABILITIES BUILT IN.
- HEMISPHERIC DUAL LENS ALLOWING TO SIMULTANEOUSLY SECURE TWO SEPARATE ROOMS WITHOUT ANY BLIND SPOTS.

IXIO ACTIVATION AND SAFETY SENSOR FOR AUTOMATIC SLIDING DOORS

The IXIO combines microwave radar technology for the activation of the door with infrared technology for pedestrian safety. The unidirectional radar provides energy savings and an infrared curtain for sliding door safety as pedestrians pass through the threshold.





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SECURITY · ACCESS CONTROL · PARKING

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AUTO-MATION DOOR PRODUCTS

Note

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AUTOMATIC CURVED SLIDING DOOR

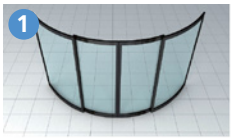
SLIDING DOORS

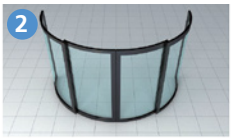
CREATIVE APPLICATION

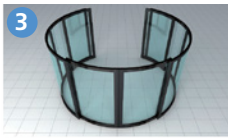
AUTOMATIC CURVED SLIDING DOOR KC1000

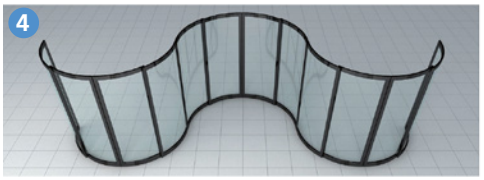
Curved sliding doors are becoming a more and more popular option due to its outstanding performances, such as various appearance, multi-function, energy-savings and environmentally friendly.

KC1000's Four Types









1. **Segmental Curved Sliding Door**
2. **Semi-Circular Curved Sliding Door**
3. **Circular Curved Sliding Door**
4. **Combined Curved Sliding Door**

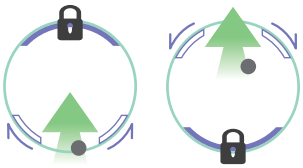
ATM Security Revolving Door

Based on the curved sliding door, IDC/KBB developed ATM security revolving door, to which automatic lock, intelligent open/close and panic breakout are added. Meanwhile, customization of appearance designing makes it a perfect companion to ATM.

Solution 1

Interlock

Interlock refers to the status of one door leaf being locked while the other remains open during the curved sliding door's motion. This function is widely applied for:



Solution 2

Energy-savings:
While the interlock function does not allow for two door leaves to be open at the same time, it is optimal to control the indoor and outdoor air exchange. This contributes to significant energy control and savings for a building.

Access control:
The Interlock function upgrades a curved door into a security portal through a sophisticated coordination system of switches and sensors. There is a double ID authentication and video analysis systems to prevent restricted access. The interlock system comprehensively ensures safety to the building through its doors.

SPECIFICATIONS

Power Source	220V ±10%, 50/60Hz
Rated Power	200W (Double Leaves), 100W (Single Leaf)
Main Fuse	2A
Maximum Drive Power	150N
Opening Speed	0.4~0.7m/s
Closing Speed	0.3~0.6m/s
Ambient Temperature	-15°C~50°Cs

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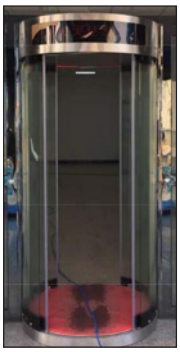
SECURITY CURVED PORTALS

SLIDING DOORS

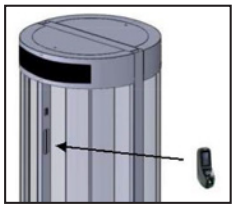
MULTIPLE SAFETY PROTECTION

Interlock & Anti-Tailgating
& Anti-Piggybacking

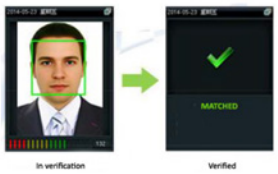


SECURITY CURVED PORTALS

1. Facial and weight recognition, strong anti-tailgating & ant-piggypacking function.
2. Mutiple safety protection device, voice promot to assure the pedestrian security.
3. Energy-saving and environmental protection.
4. Automation control design, contactless access without secondary pollution.
5. Remote control is available for doors open, realize pass quickly.
6. Multifunction LED monitor: WELCOME, WETHER REPORT, NOTIFICATION.....
7. Save for two security guard salary, no closing all the 24 hours day.



Fingerprint Scanner
and Infrared Switch



Facial Recognition

1. Enter-Outer door open

2. Confirming pedestrian

3. Security judgement

4. Enter-Inner door open

5. Tailgating-Inner door closed.

6. Exit-Inner door open

7. Confirming pedestrian

8. Exit-Outer door open

9. FastPass mode-Keep open

10. Emergency mode

Remark:
2.**Confirming pedestrian:** Confirm by finger/facial/weight recognition.
5.**Tailgating-Inner door closed:** If any person tailgating, the second door keep closed, alarm warning and voice prompt.
7.**Confirming pedestrian:** Confirm by finger/facial/weight/card reader recognition.
10.**Emergency mode:** When emergency or fire alarm activated, the door open automatically to 10cm, even women or children can open the door easily manually.

Interlock Function

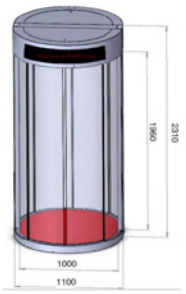
One door leaf being locked while the other remains open during the curved sliding door's motion.

Solution 1
Energy-savings

Solution 2
Access control

Model & Dimension

- Inner diameter: 1000mm
- Outer diameter: 1100mm
- Opening width: 550mm
- Passage height: 1960mm
- Canopy height: 350mm
- Total height: 2310mm
- Surface treatment:
  Brushed S.S cladding



SPECIFICATIONS

Item	Details	Item	Details
Door weight	150kg	Control mode	Micro computer controller PLC controller
Door glass weight	16kg	Motor	24V 55W
Open mode	Bi-part (Double open)	Door opening delay	1-10s (Adjustable)
Open speed	10-750mm/s (Adjustable)	Collision act	Rebound blocked
Closing Speed	100-680mm/s (Adjustable)	Power	AC220V 250V 50-60HZ
Manual force	≤40N	Temperature	-30°C+50°C

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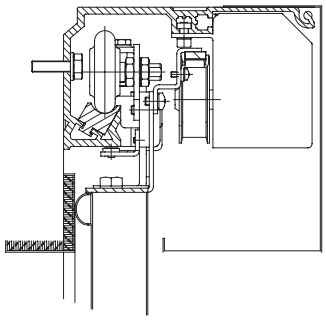
AUTOMATIC

SLIDING DOORS

PROFESSIONAL HERMETIC SLIDING DOOR

KH1000

KH1000 is a professional hermetic sliding door developed by IDC/KBB and applies to special locations, which demand excellent airtightness, sound isolation, and radiation protection.

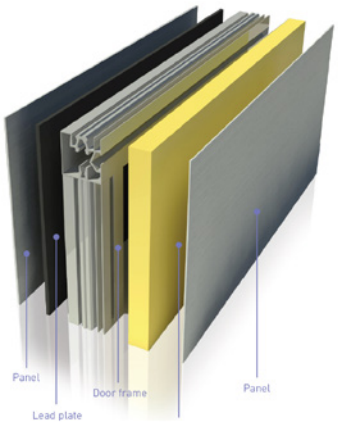


KH1000 uses polyurethane high-pressure forming technology, which allows the door to be lighter, while strengthening sound and heat isolation, and energy savings. It has been highly welcomed for its dustproofing, fire-proofing, air-proofing and radiation protection.

SPECIFICATIONS

Clear Passage Width	23 5/8"~59 1/16" (600~1500mm)
Clear Passage Height	82.68"~102.36" (2100~2600mm)
Maximum Opening Force	120kg
Power Supply	220V ±10%
Rated Power	100W (Single Drive)
Ambient Temperature Range	-15°C~55°C
Relative Humidity	≤85%

IDC/KBB hermetic sliding doors use a specially designed track along with special rubber attached to the inside and downside of the door. In the closing process, the door compresses the rubber to the frame achieving the hermetic effect.



DOOR BODY

	STANDARD	DOUBLE-MOTOR DRIVEN		
Surface Material	2mm aluminum plate	Stainless steel plate	Aluminum composite plate	Other materials
Surface Treatment	Coating	Stainless steel color	Aluminum composite plate color	Others
Lead Protection	°	One lead equivalent	Two lead equivalent	Four lead equivalent
Anti-strike Strip	•	°		
Observation Window	•	°		

Note: • is available ° is not available
Design and specifications are subject to change without notice, as they are based on product development

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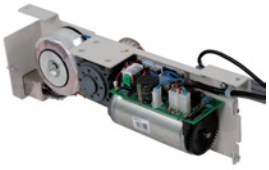
AUTOMATIC

SLIDING DOORS

SPARE PARTS LIST

Drive Unit



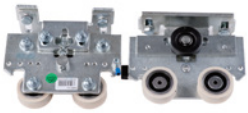
Control Unit

Radar (Eagle 6)

PSA Control Panel

Supporting Beam

Carriage Wheel



Belt Clamp

Toothed Belt

Reserve Wheel

Nylon Track Rail

Double Drive

Electro-Mechanical Locking

Electric Plug Lock

Stopping Device

Radar KSS-1M

Key Switch

Safety Beam

Backup Battery

Operator Cover

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Anodizing

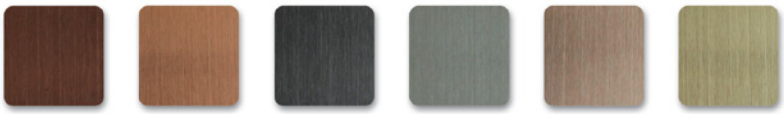
IDC/KBB keeps the strictest and highest standards in its process. The finish of the anodized aluminum is no exception, offering more than twenty different choices of color and surface texture finishing. Other standards of this stainless material include its wear-resistance, corrosion resistance, electrostatic prevention, amongst other features to meet different architectural styles and demands.

Stainless Steel Cladding

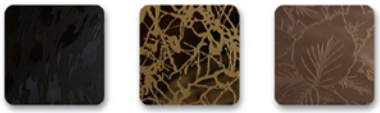
- **Mirror surface**

- **Satin pattern**

- **Hair pattern**



- **Carving pattern**



- **Arenaceous pattern**

Coating

IDC/KBB provides two kinds of coating: powder coating and PVDF coating.

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DISTRIBUTOR OF TUCKER
AUTO-MATION DOOR PRODUCTS

POWER PEDESTRIAN SWINGING DOORS

SW19.10 & SW10.10

■ ALUMINUM **END CAPS**

FEATURES

ARCHITECTS AND BUILDING OWNERS ALL AGREE THEY NEED TO FIND WAYS TO :

- ELIMINATE
- FRIVOLOUS LAWSUITS
- GUARANTEE SUSTAINABILITY
- HIRE A DEPENDABLE NETWORK OF DOOR PROFESSIONALS
- UNCOVER HIDDEN COSTS
- GATHER MORE BUSINESS INTELLIGENCE LIKE STORE TRAFFIC OR BUILDING MAINTENANCE COST
- PROVIDE A SECURE AND MONITORED FACILITY
- COMPLY WITH THE LATEST BUILDING CODES UL / CUL, AND ACCESSIBILITY GUIDELINES MANDATED BY THE LAW

THEY REALIZE A DOOR IS NOT... "**JUST A DOOR**" BUT :

- A POINT OF ENTRY/EXIT
- A STRATEGIC AREA FULL OF PROMISING DATA
- AN AREA WHERE ALL TRAFFIC CONVERGES
- A SPACE WHERE YOU CAN CAPTURE ALL IMAGES

THE ALL IN ONE ENTRANCE SOLUTION

- NON-HANDED
- SELF-TUNING, SELF-LEARNING
- EXTREMELY SILENT
- COMPLIES WITH ANSI A156.19 & A156.10
- UL - CERTIFIED FOR USE AS FIRE DOOR OPERATORS (3 HOUR RATING)
- COMPLIES WITH ALL US AND CANADIAN ADA REQUIREMENTS

■ SW19.10 — LOW ENERGY

- MIN 5 SEC FROM CLOSE TO OPEN
- STAY OPEN FOR 5 SEC
- FORCE: 15 lbs - 6.8 kg
- PUSH OR PULL (IN DOOR OUT SWING)
- ACTIVATION: KNOWING ACT
- SAFETY DEVICE: OPTIONAL

■ SW10.10 — FULL ENERGY

- MIN 1.5 SEC FROM CLOSE TO OPEN
- STAY OPEN 1.5 SEC
- FORCE: 30 lbs - 13.6 kg
- PUSH OR PULL (ARM APPLICATION)
- ACTIVATION: MOTION DETECTOR OR KNOWING ACT
- SAFETY DEVICE: DOOR-MOUNTED SENSOR OR OVERHEAD PRESENCE SENSOR

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REVOLVING DOOR

AUTOMATIC TWO-WING REVOLVING DOOR

ABOUT REVOLVING DOORS

Revolving doors offer an impressive aesthetic appearance and effectively separate indoor and outdoor conditions. IDC/KBB's superior designs provide an imposing entrance to any building, while serving as an airlock as well, to minimize a building's heating and air conditioning losses, therefore maximizing energy savings. There are numerous variations and functions according to the needs passing.

Revolving doors are categorized in two different categories according to the way they revolve: two-wing doors and three/four-wing doors. Each door consists of a glass body with an aluminum frame. The operation of the doors can be manual or automatic.

KA022

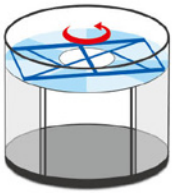
Comparing with ordinary revolving doors, the KA022 revolving doors provide the highest safety assurance as they adopt IDC/KBB's exclusive "drum wall load-bearing" structure. It is the firmest two-wing door across the world and has the strongest ability to evacuate. The unique design allows the doors to bear even and run steady providing superior safety. A key feature included is the panic breakout exit function for safe and efficient evacuations.

THREE IN ONE

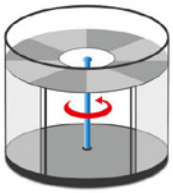
Revolving Door:
The revolving door design effectively controls indoor and outdoor air exchange. Energy consumption is lowered due to the controlled environments in air conditioning and heat preservation. Other benefits of these doors are the wind proofing, ash proofing and noise reduction

Sliding Door:
Sliding door Incorporated within a revolving door can provide a more efficient flow for faster and heavier pedestrian traffic.

Balanced Door:
Balanced door Is able to provide maximum opening width for peak flows, large cargo and evacuation situations.



Two-wing automatic revolving doors
The door wings of two-wing doors are fixed to the H-girder which can drive the door wings.



Three/four-wing revolving doors
The door wings of the three/four wings revolving doors are fixed to the central axis which can drive the door wings.

DRUM WALL LOAD-BEARING

The KA022 doors use IDC/KBB's exclusive "drum wall load-bearing" structure. This is the essential element to keep the structure safe and of superior quality. Compared with other two-wing doors that are pole-bearing, the KA022 provides a door with better stability.

IDC/KBB
drum wall load-bearing

Other
pillar-bearing

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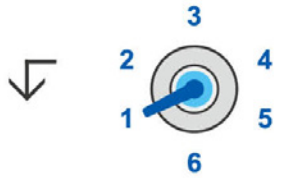
REVOLVING DOOR

AUTOMATIC TWO-WING REVOLVING DOOR

Program Selector



The switch allows the user to control the operating state of the door through six programs depending on their needs.

Emergency Stop Button:
The emergency stop button is able to stop movement of the automatic door under any circumstance, ensuring safety of the passerby In case of emergency.

Key Switch:
The key switch has three modes: Revolving Door, Sliding Door and Remote Controlled Door.

LED:
The LED lighting panel displays the operating state of the door, and shows possible error codes for troubleshooting.

Disabled Push Button:
The disabled button can control the speed of the door and stow It down for the safety of younger, older and disabled passersby.

Backup Battery:
The backup battery ensures normal operations when the door is powered off.

Mobile Phone/Internet Monitoring:
IDC/KBB's unique control software can be used to facilitate the management of the door through mobile phones or the Internet. With this feature, the manager has remote operation functions and is able to monitor the operation status and alarms.

Night lock
In this position, the door stops after automatically revolving to the Night Lock position. The electromechanical lock is then triggered to lock the door, keeping the building safe.

Opening Position Stop/Start
The key switch has three modes: Revolving Door, Sliding Door and Remote Controlled Door.

Closing Position Stop/Start
In this position, the door will automatically stop in the closing position when nobody passes by. When the door is approached upon, infrared radars will be activated and the door will revolve for one circle (and continue when people walk through). This setting is ideal for difficult weather conditions and when the temperature difference is more significant.

Low/High Speed
In this position, the automatic door will revolve slowly (0.5~2.5 c/min, adjustable) when no one is passing by. When the door is approached upon, infrared radars will be activated and the door will revolve for one circle (in a higher speed, to allow a more efficient passage). This setting is ideal for difficult weather conditions and when the temperature difference is more significant.

Revolving Counter-Clockwise Manually
In this position, the infrared radars are disabled and the door stops revolving. The doors will revolve slowly in a counter clockwise direction when the reset button is pushed. In this position, the door can be pushed to operate (force: 110~150N). This setting is most suitable for cleaning and maintenance.

Revolving Clockwise Manually
In this position, the infrared radars are disabled and the door stops revolving. The doors will revolve slowly in a clockwise direction when the reset button is pushed. In this position, the door is to be pushed to operate. This setting is most suitable for cleaning and maintenance. This function also ensures that any trapped object can be safely removed

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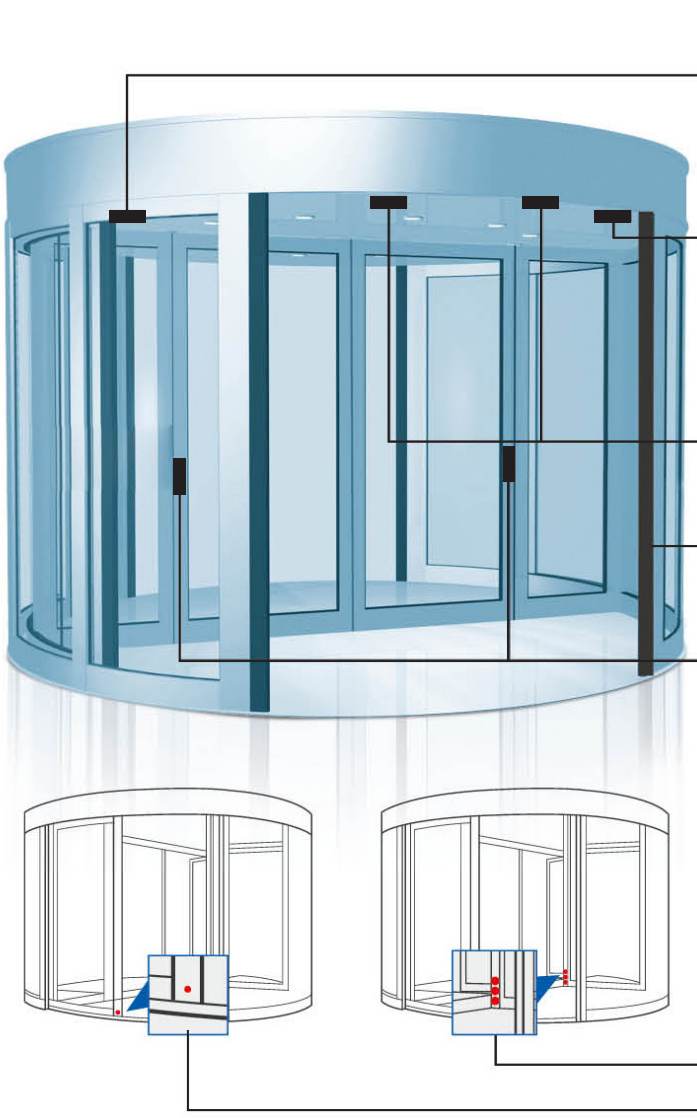
ADVANCED SAFETY DESIGN

Safety Relay
The safety relay can monitor whether the compressible horizontal safety buffer works at any moment. An alarm will sound when the buffer breaks down.

Torque Control Function
When the distance between the moving door wing and the fixed one is less than a certain space, the driving force will be reduced. At this point, users entering the space will not be hurt.

Mechanical Axis Braking Driving
The rotary table and the motor brake at the same time, providing the passerby complete safety in case of an emergency.

Emergency switch Function
To ensure complete safety, a UPS power supply is incorporated in case of emergencies. When the passengers are trapped inside a door, this function can make the door open.



Anti-Collision Sensor
In case of a person or object obstruction, the system will stop and the door will halt. This sensor is operational at all times.

Anti-Squeeze Sensor
When the from safety switch on the door comes within 27 9/16" (700mm of the outer safety rubber (distance can be adjusted), the sensor function becomes active. If there are any people or object obstructions within the limit range at this time, the system will stop and the doors will halt.

Radar
When detecting moving objects, sensor will be activated and the door starts to operate.

Vertical Safety Switch
When detecting moving objects, sensor will be activated and door starts to operate.

Sliding Door Anti-Squeeze Sensor (Ensure the safety of passengers when the sliding door operates)
When operating the sliding door, if the sensor is activated, the sliding doors will automatically reverse direction, avoiding squeezing the pedestrian.

Photo Cell
Six total. if a pedestrian is sensed, the doors will immediately reduce speed, brake and finally stop.

Foot Sensor (optional)
Installed below the compressible horizontal safety buffer, this sensor helps protect pedestrian.

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REVOLVING DOOR

AUTOMATIC TWO-WING REVOLVING DOOR

IDC/KBB offers different series of two-wing doors to fulfill its consumer's requirements and expectations.

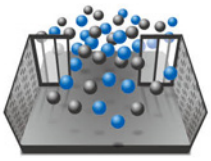
ENERGY-SAVING AND ENVIRONMENT-FRIENDLY

IDC/KBB's revolving doors use an unique design referred to as windmill revolving body. Its revolving direction is consistent with that of the wind. The design cuts of the exchange of indoor and outdoor air, allowing for cost and energy savings of 10% or more than other revolving doors. It is estimated that the cost of a IDC/KBB two-wing automatic revolving door is equivalent to the money it saves in three years.

Through simple calculation you will find the price difference of revolving doors and sliding doors is equal to the energy consumption cost saving of 2-3 years by using revolving door instead of sliding door.

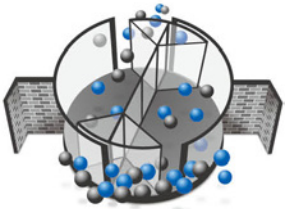
As for the sliding doors, the amount of air exchanged varies according to the size of the area, time of the opening of the door and the speed of airflow.

= Air



sliding doors

The air exchange for revolving doors depend only on the inside air volume and the number of times

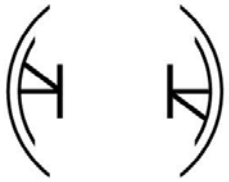


revolving doors

Environment Energy Consumption (EC) =Temperature Difference Between Internal & External (TD) × Air Exchange Volume (EV)×Specific Heat Capacity of Air (C)

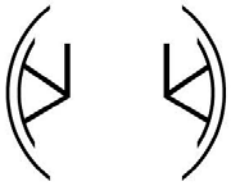
KA022

Features the operations of three in one



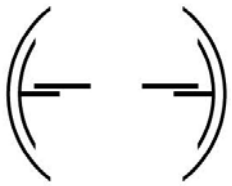
KA022·2W

Features two-wing revolving doors with the function swing doors



KA042

Features two-wing doors without showcases



KA062

Features frame decorated with column of different shapes

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SPECIFICATIONS

REVOLVING DOOR

TWO-WING REVOLVING DOOR

TWO-WING REVOLVING DOORS DIMENSION

Names	KA022-2364	KA022-2424	KA022-2484
Inner Diameter	141.73″ (3600mm)	165.35″ (4200mm)	188.98″ (4800mm)
Outer Diameter	145.20″ (3688mm)	168.82″ (4288mm)	192.44″ (4888mm)
Total Height	103 15/16″ (2640mm)	103 15/16″ (2640mm)	103 15/16″ (2640mm)
Clear Passage Height	90.55″ (2300mm)	90.55″ (2300mm)	90.55″ (2300mm)
Opening Width	70.87″ (1800mm)	82.68″ (2100mm)	94.49″ (2400mm)
Opening Width of Sliding Door	43 5/16″ (1100mm)	55 1/8″ (1400mm)	66.93″ (1700mm)
Emergency Escape Passage Width	70.87″ (1800mm)	82.68″ (2100mm)	94.49″ (2400mm)
Canopy Height	13.39″ (340mm)	13.39″ (340mm)	13.39″ (340mm)
Persons/Min	48	64mm	80mm

TECHNICAL PARAMETERS

Power supply	220 V/AC ± 10% 50Hz
Revolving door motor power consumption	250 W/ACx2=500W/AC
Lighting	12V/AC 420W
Lighting power	12V/AC 600W
High speed adjustment range	1~4r/m
Low speed adjustment range	0.5–2.5r/m
Ambient temperature range	-15°C–50°C

CONFIGURATION

Standard	Optional
Curved glass: 4+4mm/ 5+5mm laminated glass/ Laminated safety glass/ Aluminum frame Aluminum ceiling/ Control unit Digital display screen/ Emergency stop button/ Drive unit Ceiling spot light: 12V/AC/ Backup battery/ Radar	Surface finish: anodizing, stainless steel cladding, powder coating waterproof cover dust cover Mobile phone monitoring system Fixed door wing safety switch Safety relay/ Electromagnetism brake LED ceiling spot light/ Stainless steel ceiling

Note: Design and specifications are subject to change without notice, as they are based on product development.

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REVOLVING DOOR

THREE / FOUR-WING REVOLVING DOOR

ABOUT REVOLVING DOORS

Revolving doors offer an impressive aesthetic appearance and effectively separate indoor and outdoor conditions. IDC/KBB's superior designs provide an imposing entrance to any building, while serving as an airlock as well, to minimize a building's heating and air conditioning losses, therefore maximizing energy savings. There are numerous variations and functions according to the needs passing.

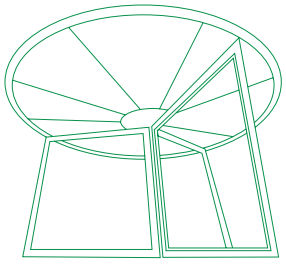
Revolving doors are categorized in two different categories according to the way they revolve: two-wing doors and three/ four-wing doors. Each door consists of a glass body with an aluminum frame. The operation of the doors can be manual or automatic.

KA023

The KA023 are elegant and economical three/ four-wing revolving doors. More than just granting the entry and exit of heavy passing traffic, the KA023 marks the highest standards in wind-proofing, dustproofing, warm-keeping and energy-saving. In summary, they can be regarded as the safest three/ four-wing revolving doors in the world and an excellent choice by exceeding the expectations of customers and architects. KA023 comes in three operational modes: manual, automatic, and manual/automatic activation driving; and two driving models: top and underground driving.

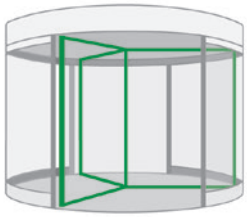
DRUM WALL LOAD-BEARING

One of the outstanding features in the KA023 doors is IDC/KBB's exclusive drum wall loadbearing structure. This component is essential to increase structural safety and overall quality, allowing for the door to have better stability, especially when comparing the doors with other two-wing pole bearing doors.



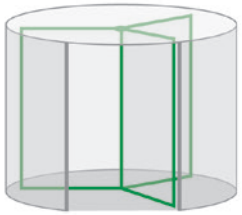
KA023/KM023

Classic Door



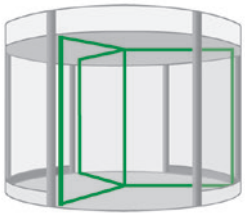
KA071/KM071

All-glass Door



KA061/KM061

Drum-Wall-Pillar Decorated Door



IDC/KBB
drum wall load-bearing

Other
pillar-bearing

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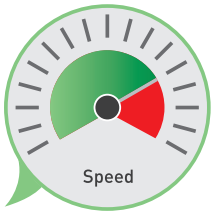
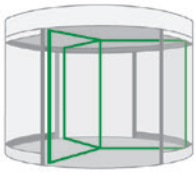
REVOLVING DOOR

THREE / FOUR-WING REVOLVING DOOR

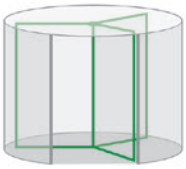


MANUAL REVOLVING DOOR

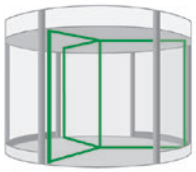
Manual revolving doors are separated in two categories: three-wing and four-wing doors, which do not require electric power and will never suffer from severe weather conditions. IDC/KBB's manual revolving doors are also equipped with an exclusive speed controlling device that allows the door to operate safely. Simultaneously, other standards such as energy-saving and dust proofing are maintained to the best level keeping the most competitive price.



KM023



KM071



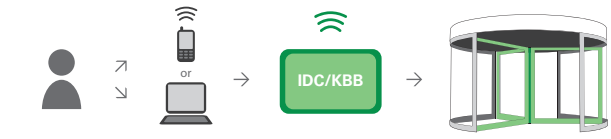
KM061

The Speed Control Function

IDC/KBB's original speed limitation patent ensures safety as it prevents the doors from rotating too fast. This mechanical system is safer and more reliable compared to other electric operated devices.

AUTOMATIC REVOLVING DOOR

The difference between automatic and manual revolving doors is that the automatic doors are equipped with drive units and sensor systems, which make the door operate automatically Three/four-wing doors are cost-efficient, and are commonly used in banks, shopping centers, hotels, office buildings, amongst others.



Administrator | Signal / Network | IDC/KBB's unique controlling software | Revolving Door

Anti-Squeeze Sensor:
The anti-squeeze sensor will stop the door immediately when activated.

Key Switch:
Automatic doors can be operated through three different functions: night lock, go-stop and continous revolving. *(Note) The go-stop, the door will automatically revolve (through sensor activation) when the door is approached upon. This setting is ideal to reduce energy consumption.*

Fire Alarm Function:
The pre-installed signal output also allows for the door to be connected to the fire system in the building. When the door receives a fire alarm signal, the revolving door will automatically switch to the emergency open mode.

Disabled Access Function:
The low-speed button is used to control the speed of the door and slow it down for the safety of younger, older and disabled passersby.

Emergency Stop Function:
The emergency stop button is able to stop movement of the automatic door under any circumstance, ensuring safety of the passersby in case of any emergency.

Mobile Phone / Internet Monitoring:
IDC/KBB's unique control software can be used to facilitate the management of the door through mobile phones or the internet. With this feature, the operator could monitor the operation status and alarms of the door.

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REVOLVING DOOR

CRYSTAL ALL GLASS

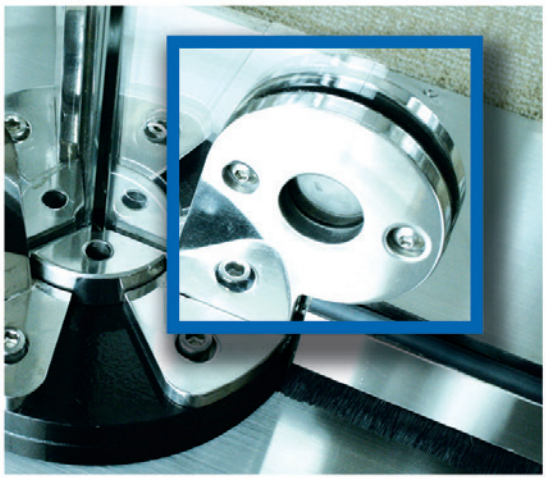
KA071 CRYSTAL DOOR

KA071 crystal door is made of a special safety glass, featuring a unique structure and an impeccable appearance. As the door is designed without a central column, clearer visibility allows it to become sparkling and more elegant. With IDC/KBB's unique music note style clamp, the KA071 door incorporates exceptional mechanics with aesthetics, increasing both safety and beauty.

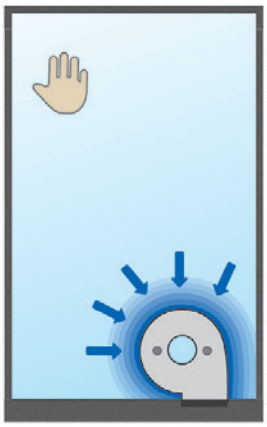
Music Note Style Clamp

The music note style clamp is one of IDC/KBB's most distinguished patents.

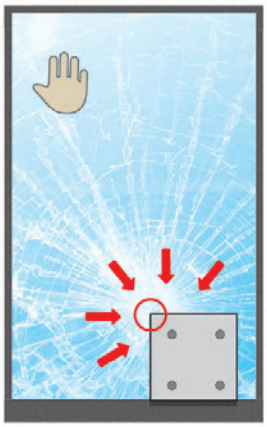
Before the emergence of the music note style clamping system, most of the crystal doors use the conventional square clamping system. However, the traditional square clamp is unable to decentralize the pressure effectively, weakening the glass a round the clamp, and therefore creating safety hazard. The music note style clamp is named after its appearance, similar to one of the musical notes. The clamp's round shape makes the bearing points of the edge distribute pressure equally, keeping the door body steady and firm. This system has proven an impeccable safety record for IDC/KBB's crystal doors.



IDC/KBB ↓



Other ↓



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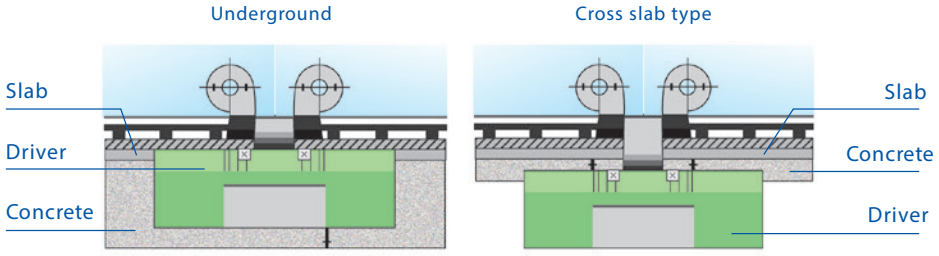
REVOLVING DOOR

CRYSTAL ALL GLASS

INSTALLATION

The KA071 door uses a unique bottom driving design. This allows the door body to be smooth and transparent, satisfying modern designers' preferences.



SPECIFICATIONS OF CRYSTAL DOORS

Model	Diameter	Outer diameter	Total height	Height	Opening	Persons/min
KA071-3-18	70.87" (1800mm)	72.91" (1852mm)	92.36 (2346mm)	90.55 (2300mm)	33.43" (849mm)	x9
KA071-3-21	82.68" (2100mm)	84.72" (2152mm)	92.36 (2346mm)	90.55 (2300mm)	37.36" (949mm)	x9
KA071-3-24	94.49" (2400mm)	96.54" (2452mm)	92.36 (2346mm)	90.55 (2300mm)	45.24" (1149mm)	x12
KA071-3-27	106.30" (2700mm)	108.35" (2752mm)	92.36 (2346mm)	90.55 (2300mm)	49.17" (1249mm)	x18
KA071-3-30	118.11" (3000mm)	120.16" (3052mm)	92.36 (2346mm)	90.55 (2300mm)	57.28" (1455mm)	x18
KA071-3-32	125.98" (3200mm)	128" (3252mm)	92.36 (2346mm)	90.55 (2300mm)	61.10" (1552mm)	x24
KA071-4-18	70.87" (1800mm)	72.91" (1852mm)	92.36 (2346mm)	90.55 (2300mm)	48.66" (1236mm)	x9
KA071-4-21	82.68" (2100mm)	84.72" (2152mm)	92.36 (2346mm)	90.55 (2300mm)	57" (1448mm)	x9
KA071-4-24	94.49" (2400mm)	96.54" (2452mm)	92.36 (2346mm)	90.55 (2300mm)	65.35" (1660mm)	x12
KA071-4-27	106.30" (2700mm)	108.35" (2752mm)	92.36 (2346mm)	90.55 (2300mm)	73.70" (1872mm)	x18
KA071-4-30	118.11" (3000mm)	120.16" (3052mm)	92.36 (2346mm)	90.55 (2300mm)	82" (2084mm)	x24
KA071-4-32	125.98" (3200mm)	128" (3252mm)	92.36 (2346mm)	90.55 (2300mm)	87.64" (2226mm)	x24

THE DIFFERENCES BETWEEN 071 AND 071A

Model/Item	Materials	Central Axis	Emergence Breakout	Manual / Automatic	Canopy Height	Diameter	Others
KA / KM071	Narrow frame: Width 30mm Thickness 26mm	N /A	N /A	N /A	46mm	Standard inner diameter is less than 3 meters	KM071 with knob
KA / KM071A	Narrow frame: Width 80mm Thickness 30mm	With axis and crossbeam	Optional	Optional	70mm	Standard inner diameter can be extended to 3.2 meters to 3.6 meters	KM071A with knob; Manual/automatic KA071A with knob

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SECURITY & ADVANCED SAFETY FUNCTIONS

IDC/KBB's three/four-wing revolving doors can be equipped with a security system for access control. Access could only be granted to those with authorized cards.

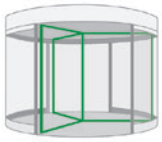
Following Prevention
In order to ensure that only the authorized person is granted access through the security door, the door rotation will only allow access to the individual with the access card. Any person attempting to follow the first user would be locked inside the door as the door will stop and sound a warning.

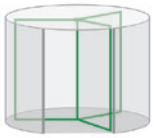
Video Analysis
Advanced video analysis software is used to ensure that only one person passes through each passage space. The alarm system of the security door would be triggered off in the case that two or more people breach access through the same passage space.

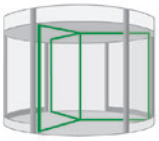
Pass Indication
The passersby can be indicated whether they are authorized to pass by a set of LED lights mounted on the curved wall of the revolving door. When the green light shows, it means that the user is granted access whereas the red light denies it.

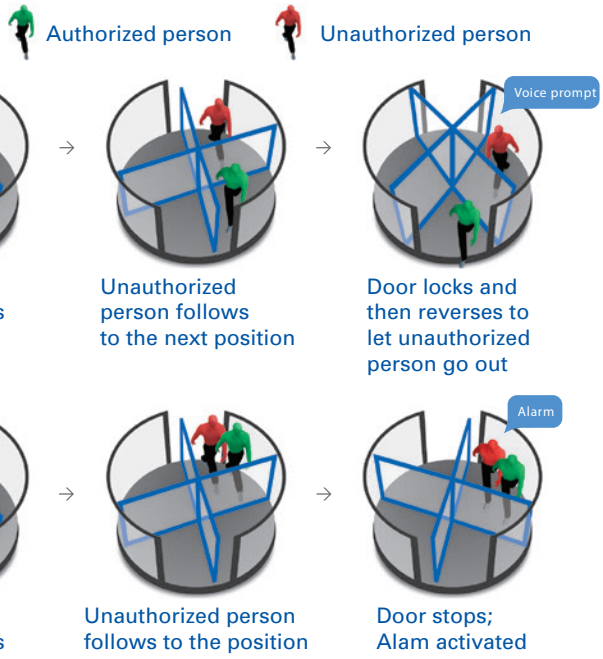
Pass Identification
IDC/KBB products provide various of identification systems, including card reader system, finger print reader system and so on, to ensure only identified people can get free access into the buildings. Meanwhile, the systems also help to track the record easily and accurately.

Applied for:


KM023


KM071


KM061



IDC/KBB mainly provides two kinds of swiping-card poles.

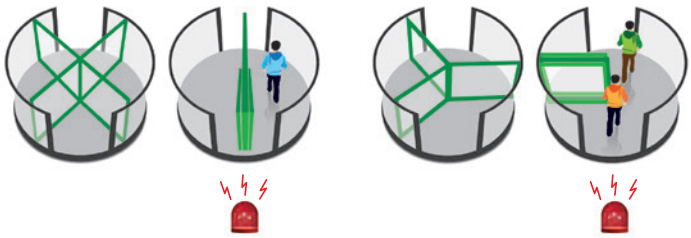
ADVANCED SAFETY FUNCTIONS

Force-Sensitive Door Leaf
If the resistance that the revolving wings encounter exceeds a preset value (adjustable), the automatic door will stop revolving to ensure safety and to protect the door at the same time.

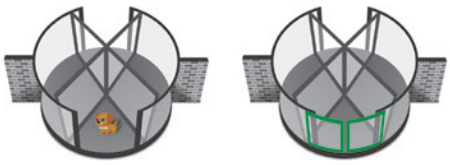
Torque Control Function
When the gap to the closing position is less than a certain distance, the driving force of the driving system will be reduced. So even if a passerby tries to rush in, he will not be injured.

Horizontal Safety Light Barriers
The anti-collision light battiers installed on top of the revolving wings allow the doors to brake when any passersby or objects are detected within a defined scale.

Breakout Function



Night Security Door
Depending on customer preferences, two curved doors can be added outside the drum wall to close the whole revolving door system when needed. This option provides extra protection to the building and the door.



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REVOLVING DOOR

AUTOMATIC LARGE DIAMETER THREE / FOUR-WING

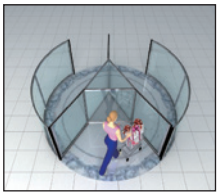
KA052

Comparing with ordinary revolving doors, the KA052 series provide a wider passage, allowing easier and safer access to shopping carts in supermarkets and building material supply centers. In addition to providing an elegant entry, the KA052 is a great complement to a more delightful shopping environment.

Square

Triangle

Without Showcase



KA072

KA072 is the best solution for the buildings where there are columns in door areas. The ingenious design incorporates the columns inside the door frame, enhancing the overall appearance and practicality.

ENERGY-SAVING AND ENVIRONMENT-FRIENDLY

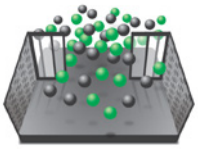
IDC/KBB's revolving doors use an unique design referred to as windmill revolving body. Its revolving direction is consistent with that of the wind. The design cuts of the exchange of indoor and outdoor air, allowing for cost and energy savings of 10% or more than other revolving doors. It is estimated that the cost of a IDC/KBB two-wing automatic revolving door is equivalent to the money it saves in three years.

The price difference of revolving doors and sliding doors are equal to the energy consumption cost of a 2-3 year timeframe.

As for the sliding doors, the amount of air exchanged varies according to the size of the area, time of the opening of the door and the speed of airflow.

= Air

The air exchange for revolving doors depend only on the inside air volume and the number of times the doors open.


sliding doors

revolving doors

Environment Energy Consumption (EC) =Temperature Difference Between Internal & External (TD) × Air Exchange Volume (EV)×Specific Heat Capacity of Air (C)

	KA023	KM023	KA061	KM061	KA071	KM071	KA071A	KM071A
Three-wing doors	✔	✔	✔	✔	✔	✔	✔	✔
Four-wing doors	✔	✔	✔	✔	✔	✔	✔	✔
Automatic	✔		✔		✔		✔	
Manual		✔		✔		✔		✔
With central axis	✔	✔	✔	✔			✔	✔
With drum-wall-pillar			✔	✔				
Top driving	✔	✔	✔	✔				
Underground driving				✔	✔	✔	✔	✔

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SPECIFICATIONS

REVOLVING DOOR

AUTOMATIC LARGE DIAMETER THREE / FOUR-WING

KA023 THREE-WING REVOLVING DOORS DIMENSION

Model	Diameter	Outer diameter	Total height	Clear Passage Height	Opening	Persons/min
KA071-3-18	70.87" (1800mm)	74.33" (1888mm)	98.43" (2500mm)	86.61" (2200mm)	31.69" (805mm)	12
KA071-3-21	82.68" (2100mm)	86.14" (2188mm)	98.43" (2500mm)	86.61" (2200mm)	37.60" (955mm)	24
KA071-3-24	94.49" (2400mm)	97.95" (2488mm)	98.43" (2500mm)	86.61" (2200mm)	43 1/2" (1105mm)	24
KA071-3-27	106.30" (2700mm)	109.76" (2788mm)	98.43" (2500mm)	86.61" (2200mm)	48.98" (1255mm)	24
KA071-3-30	118.11" (3000mm)	2121.57" (3088mm)	98.43" (2500mm)	86.61" (2200mm)	55 5/16" (1405mm)	30
KA071-3-32	125.98" (3200mm)	129.45" (3288mm)	98.43" (2500mm)	86.61" (2200mm)	59.45" (1510mm)	30
KA023-3-36	141.73" (3600mm)	145.20" (3688mm)	98.43" (2500mm)	86.61" (2200mm)	67 1/8" (1705mm)	36

KA023 FOUR-WING REVOLVING DOORS DIMENSION

Model	Diameter	Outer diameter	Total height	Clear Passage Height	Opening	Persons/min
KA071-4-18	70.87" (1800mm)	74.33" (1888mm)	98.43" (2500mm)	86.61" (2200mm)	46.34" (1177mm)	12
KA071-4-21	82.68" (2100mm)	141.73" (2188mm)	98.43" (2500mm)	86.61" (2200mm)	94.09" (2390mm)	24
KA071-4-24	94.49" (2400mm)	97.95" (2488mm)	98.43" (2500mm)	86.61" (2200mm)	63.78" (1620mm)	24
KA071-4-27	106.30" (2700mm)	109.76" (2788mm)	98.43" (2500mm)	86.61" (2200mm)	71.81" (1824mm)	24
KA071-4-30	118.11" (3000mm)	121.57" (3088mm)	98.43" (2500mm)	86.61" (2200mm)	79.76" (2026mm)	30
KA071-4-32	125.98" (3200mm)	129.45" (3288mm)	98.43" (2500mm)	86.61" (2200mm)	85.51" (2172mm)	30
KA023-4-36	141.73" (3600mm)	145.20" (3688mm)	98.43" (2500mm)	86.61" (2200mm)	96.46" (2450mm)	36

TECHNICAL PARAMETERS

Power supply	220 V/AC ± 10% 50Hz
Lighting	12V/AC 120W/240W
Rated power	600W
Motor power	250W
Lighting power	300W
Control system power	50W
Low speed adjustment range	0.5 ~2.5rpm
High speed adjustment range	1~4rpm

CONFIGURATION

Standard	Optional
Aluminum alloy door leaf	Waterproof cover
PLC control system	Fire alarm
Ceiling --- Fire plate	Anti-collision
4+4mm laminated curved glass	Anti-squeeze
3+3mm laminated plane glass	Night security door
Mechanical lock	Remote control
Ceiling spot light: 12V/AC	Internet monitoring system
Safety bumper	Manual / Automatic activation device
Emergency stop button	
Handicap button	

Note: Design and specifications are subject to change without notice, as they are based on product development.

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REVOLVING DOOR

SURFACE TREATMENT

Anodizing

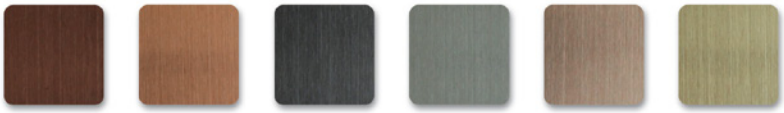
IDC/KBB keeps the strictest and highest standards in its process. The finish of the anodized aluminum is no exception, offering more than twenty different choices of color and surface texture finishing. Other standards of this stainless material include its wear-resistance, corrosion resistance, electrostatic prevention, amongst other features to meet different architectural styles and demands.

Stainless Steel Cladding

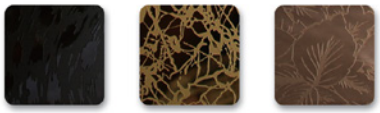
- **Mirror surface**

- **Satin pattern**

- **Hair pattern**



- **Carving pattern**



- **Arenaceous pattern**

Coating

IDC/KBB provides two kinds of coating: electrostatic coating and coated by fluorin and carbon.

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ATM SECURITY DOORS

KC3000 SPECIFICATIONS & TECHNICAL PARAMETERS

KC3000

Based on the curved sliding door, IDC/KBB developed ATM security revolving door, to which automatic lock, intelligent open/close and panic breakout are added. Meanwhile, customization of appearance designing makes it a perfect companion to ATM.

SPECIFICATIONS

Total height	2330mm
Opening width	580mm
Passage height	2050mm
Canopy height	230mm
External diameter (Outdrum)	1192mm
Internal diameter (Outdrum)	1112mm
Installation foundation internal diameter (Base)	739mm
Installation foundation external diameter (Base)	947mm
Product weight	300KG
Installation foundation height	50mm
Door overall size	1200mm (L) x1070mm (W) x 2330 (H)

TECHNICAL PARAMETERS

Rated Voltage	220V/AC ±10% 50Hz
Rated Power	120W
Lighting Power	9W
Maximum Driving Force (static)	150N
Opening Speed	0.16-0.46 m/s
Closing Speed	0.11-0.24 m/s
Keep Opening Time	0 -10s
Night Keep Opening Time (adjustable)	0 -30s (standard: 7s)

Certification Authority

With the authority of ministry of public security, IDC/KBB significantly promises to supply the most complete security solutions to all ATM users and banking outlets. The series of security solutions could be realized by the most personalized products

Quiet Running
A quiet imported motor equipped with polyurethane mute pulley structure which is created by IDC/KBB could ensure that the door runs smoothly and quietly.

Excellent Quality Assurance
Passed: The 1 million failure-free detection test
Passed: The strict high and low temperature detection test
Passed: Varieties of voltage detection test

Easy Parameter Adjustment
The PSA communication technology which researched independently by IDC/KBB could realize easy setting, adjustment and programming only by PSA without opening the internal structure of the door.

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ATM SECURITY DOORS

KC3000 FUNCTIONS & FEATURES

INTELLIGENT CONTROL

1. **Intelligent Locking:**
   When a person enters into ATM security door, the door will be locked automatically. Meanwhile the door-opening button from outside will be deactivated. This feature will prevent other persons from entering inside.

2. **Intelligent Lighting:**
   When ATM security door inspects someone entering inside, the light will turn on automatically to provide visual convenience for the user.

3. **Intelligent Ventilation:**
   When ATM security door inspect someone entering inside, the ventilation system will operate automatically. It will provide a comfortable environment for the user.

SECURITY FEATURES

4. **Anti-pinch Function:**
   Our advance infrared sensor ensures the user to go through the door safely. (Optional)

5. **Anti-collision Function:**
   When the door frame meets with resistance, it will return back automatically by using advanced software design. This will ensure the safety of the user going through the door.

6. **Emergency Open Function:**
   IDC/KBB's implemented mechanical emergency open device with exclusive patent will ensure that the door could be opened easily from inside under an emergency situation (including power off). (Optional)

Customized Design

IDC/KBB provides exclusive customized products for our customers' demand.
Based on high class design and strong technology strength, IDC/KBB will bring you further satisfying experience.

TECHNICAL PARAMETERS

Standard Configuration	
High Strength Aluminum Alloy Rail	Contact Push Button
Main Control Power	Lighting System
Drive Unit	9W
Infrared Presence Sensor	Ventilation System

Optional Configuration	
Infrared Anti-pinch Sensor	Security Glass
Door Card	Canopy Light Box
Emergency Open	Advertisement Film Attached on Door Body

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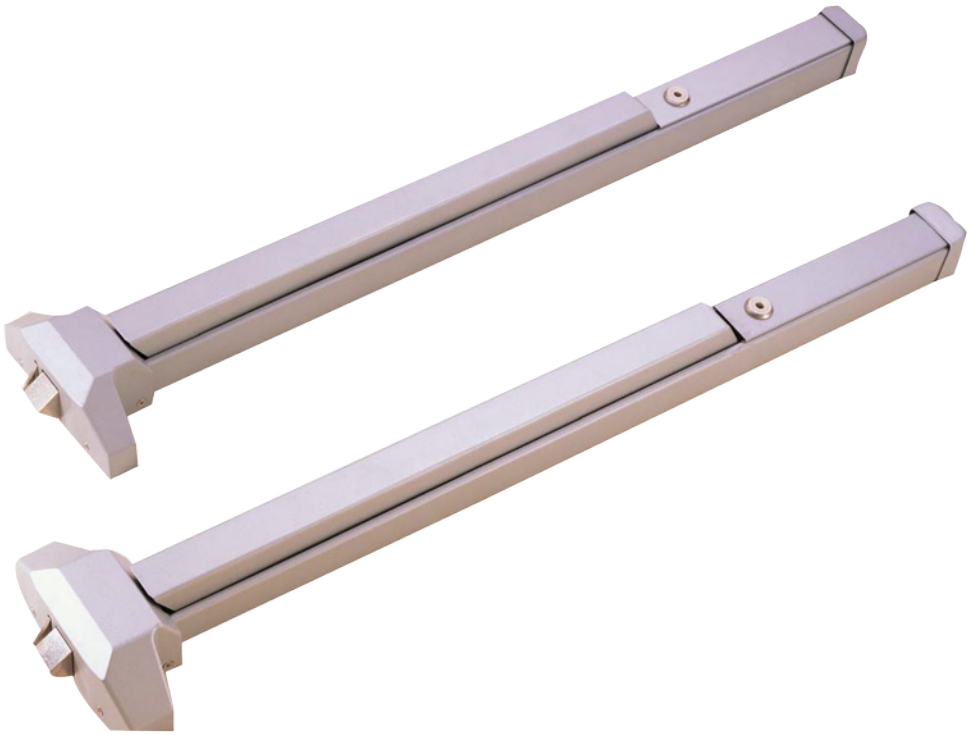
EXIT DEVICE

5000 SERIES

GRADE 2



International Door Closers IDC 5000 Series Exit Devices meet the Life and Fire Safety Codes as prescribed by UL and ANSI / BHMA 156.3 standards. These durable devices are designed for both standard and commercial applications. The 5000 Series were tested and approved by Underwriters Laboratories (UL, USA and ULC, Canada) and listed to comply with UL 10C, and Uniform Building Code Standard 7-2, "Fire Test of Door Assemblies" (1997).

FEATURES

- All devices are non-handed design
- Auxiliary guarded latch deadlocks latch bolt automatically locks when the door is closed
- High shock-resistant latching mechanical design for protection from vandalism
- All inside components are made of high rust-resistant alloy or heavy electroplated steel
- Baked powder coating, electroplated or architectural base finishes are used on all exposed surfaces
- Outside trims are provided by rose and escutcheon lever or knob in a variety of styles
- All trim, features a through-bolted design to the devices that allow easy installation but not to compromise on security
- With a dogging mechanism, users have a choice of hex-key or cylinder operated design for a positive push-pull door action during peak traffic time

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5510S Panic Rim Exit Device

5510F Fire Rim Exit Device

5530S Panic SVR Exit Device

5530F Fire SVR Exit Device

5610S Narrow Design

Panic Rim Exit Device

5630S Narrow Design

Panic SVR Exit Device

5510 SERIES RIM EXIT DEVICE
5530 SERIES SVR EXIT DEVICE

These two series models are wide stile design,

UL listed Panic Hardware or Fire Exit Hardware.

Rim Type- Ideally suited for:

- Any single exterior doors
- Any panic or fire rated interior single door and all exit doors in factories, hospitals, apartments, office buildings
- Indoor parking lots

SVR Type- Ideally suited for:

- Any pairs of emergency exit doors
- Pairs of doors in cross-corridors
- Double egress applications
- Passage doors in hospitals, factories or any public buildings

5610 NARROW DESIGN PANIC RIM DEVICE
5630 NARROW DESIGN PANIC SVR DEVICE

These two models are narrow stile design,

UL listed Panic Hardware

Rim Type and SVR Type

Both Types- Ideally suited for:

- Glass door
- Aluminum entrance doors
- Passage doors
- Full glass doors in stores, resorts and hotels

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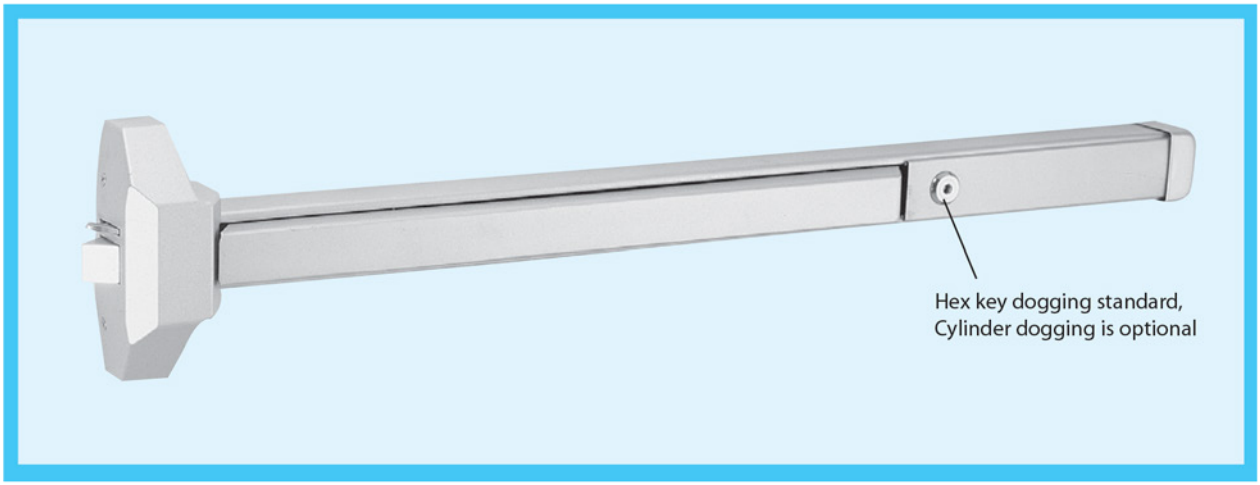
RIM EXIT DEVICES

MODEL 5510S PANIC-RATED RIM EXIT DEVICE - For wide stile and flush doors use
MODEL 5510F FIRE-RATED RIM EXIT DEVICE - For wide stile and flush doors use



Application

- For use on single or double doors with mullion (Fire rated device must use on 4′ x 8′ single or up to an 8′ x 8′ double fire labeled doors).
- Fits for 1 3/4″ (44mm) thick standard RHR or LHR hollow metal doors & wood doors Other than standard an 1 3/4″ is available but specify door thickness when ordering.
- Minimum Stile width: 3 1/2″ (90mm)

531 Strike Shim
Furnished with 532 Strike together made if steel and is plated. This shim is 1/8″ thick and is used to prepare doors with a 1/2″ stop. This will correct the distance between the device latch and the surface. If the frame has a 5/8″ stop a shim is not needed.

532 Panic Rim Strike
Surface applied standard on 5000 Series panic rim exit devices. Stainless Steel with a plated roller.

533 Fire Rim Strike
Surface applied. Standard on 5000 Series fire rim devices. It is 100% stainless steel including a roller.

*Fire rated SVR device has no mechanical dogging. (Dogging device is not permitted on fire-rated exit device)

Specifications

Device Head Cover	Stainless Steel, nonferrous alloy
Chassis	Steel plated
Mechanism Housing	Steel or Stainless Steel
Push Bar	Steel or Stainless Steel
End Cap	Steel or Stainless Steel
Latch Bolt	100% Stainless Steel, dead locking type with an 11/16″ throw
Deadlocking Latch	100% Stainless Steel with 5/8″ (16mm) throw
Strikes	531 & 532 Rim (panic rated) 533 Rim (fire rated)
Handing	Non-handed
Mounting Fasteners	Machine screws furnished standard Sex Nut & Bolt (SNB) are required for wood doors. Order SNB separately including standard.
Dogging*	Hex key dogging standard (Allen-type key furnished)
Dogging Options	Cylinder dogging or less dogging
Finish	605, 630, 689, 690, four finishes
Dimension	See Spec. Sheet
Device Length	See Spec. Sheet
UL Listed	For Panic Hardware, see model 500SA For Fire Exit Hardware, see model 510AF

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SURFACE VERTICAL ROD EXIT DEVICES

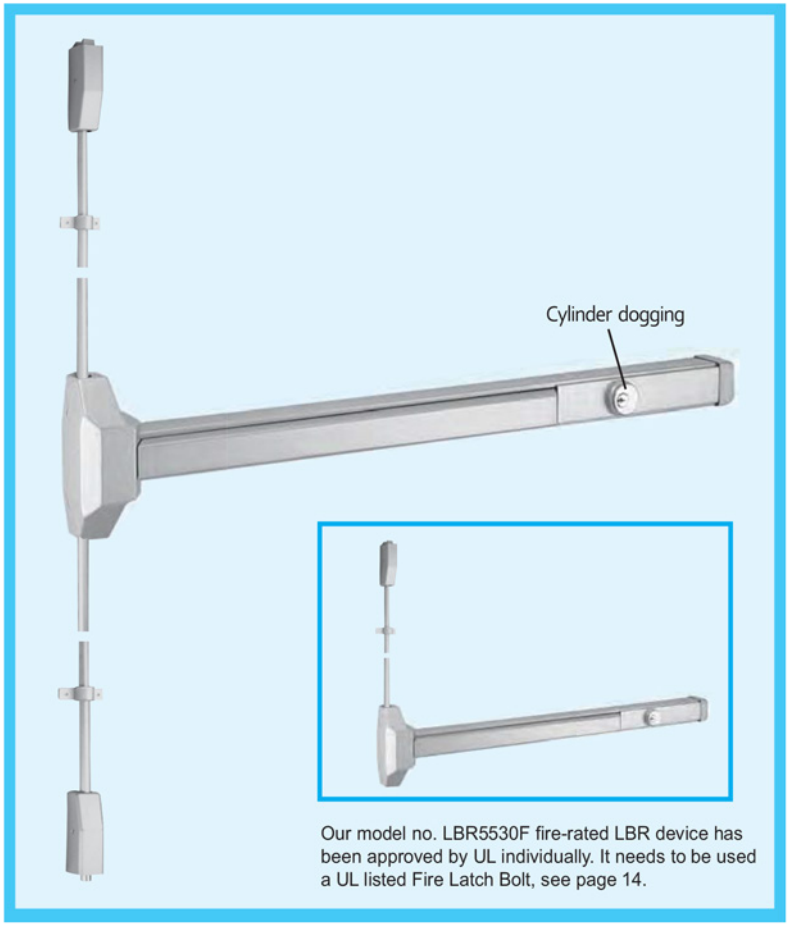
MODEL 5530S PANIC-RATED SVR EXIT DEVICE - For wide stile and flush doors use
MODEL 5530F FIRE-RATED SVR EXIT DEVICE - For wide stile and flush doors use

Application

- For use on all single doors or double doors where two-piont latch is desirable (inactive leaf of double door). Fire rated device must use on 4′ x 8′ single or 8′ x 8′ double fire labeled doors.
- Fits for 1 3/4″ (44mm) thick standard non-handed hollow metal and wood doors, other than standard 1 3/4″ is available but specify door thickness when ordered.
- Minimum Door Stile width: 3 1/2″ (90mm)

534 Top Strike
Applied to surface of stop.
Hardened steel and plated.

537 Bottom Strike
Applied to surface of floor.
Nonferrous alloy and plated.



Our model no. LBR5530F fire-rated LBR device has been approved by UL individually. It needs to be used a UL listed Fire Latch Bolt, see page 14.

Specifications

Device Head Cover	Stainless Steel, nonferrous alloy
Chassis	Steel, stainless steel
Mechanism Housing	Steel or Stainless Steel
Push Bar	Steel or Stainless Steel
End Cap	Steel or Stainless Steel
Latch Bolt	100% stainless steel, 1/2″ (13mm) throw
Latch Case Covers	Steel, stainless steel
Vertical Rods	Tubular aluminum with rod guides
Strikes	Top 534, Bottom 537
Handing	Non-handed

Mounting Fasteners	Machine screws furnished standard, Sex Nut and Bolt (SNB) are required to use for wood doors. Order SNB separately.
Dogging*	Hex key dogging standard (Allen-type key furnished)
Dogging Options	Cylinder dogging or Less dogging
Finish	605, 630, 689, 690, four finishes
Dimension	See Spec. Sheet
Device Length	See Spec. Sheet
UL Listed	For Panic Hardware, see model 900SA and Fire Exit Hardware see model 917A

*Fire rated SVR device has no mechanical dogging. (Dogging device is not permitted on fire-rated exit device)

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RIM EXIT DEVICES

MODEL 5610S PANIC-RATED RIM EXIT DEVICE - For narrow stile exit doors made from Aluminum, Metal (HM) or Wood

Application

- For use on single doors or double doors with mullion (Fire rated device up to 4'x8' single or 8'x8' double fire labeled doors.
- Fits for 1 3/4" (44mm) thick standard non- handed or hollow metal or wood doors, other than standard 1 3/4" is available, specify door thickness.
- Minimum Stile width : 2 1/2" (63mm)

531 Strike Shim

Furnished with 532 Strike. This shim is 1/8" thick for prepared doors with 1/2" stop. It is used to obtain correct distance between the latch and the surface applied strike, when the stop is 1/2" high. If the frame has a 5/8" stop the shim is not required. Strike shim is steel and plated.

532 Panic Rim Strike

Surface applied. Standard on 5000 Series panic rim exit devices. Stainless steel with a plated roller.

Specifications

Device Head Cover	Stainless Steel, nonferrous alloy
Chassis	Steel plated
Mechanism Housing	Steel, plated
Push Bar	Steel or Stainless Steel
End Cap	Steel or Stainless Steel
Latch Bolt	100% stainless steel, deadlocking type, 11/16" (17mm) throw
Deadlocking Latch	100% stainless steel with 5/8" throw
Strikes	531 & 532 Rim type
Handing	Non-handed
Mounting Fasteners	Machine screws furnished standard, Sex Nut and Bolt (SNB) are required to use for wood doors. Order SNB separately
Dogging*	Hex key dogging standard (Allen-type key furnished)
Dogging Options	Cylinder dogging or less dogging
Finish	605, 630, 689, 690, four finishes
Dimension	See Spec. Sheet
Device Length	See Spec. Sheet
UL Listed	For Panic Hardware, see model 500SA For Fire Exit Hardware, see model 510AF

*Fire rated SVR device has no mechanical dogging. (Dogging device is not permitted on fire-rated exit device)

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SURFACE VERTICAL ROD EXIT DEVICES

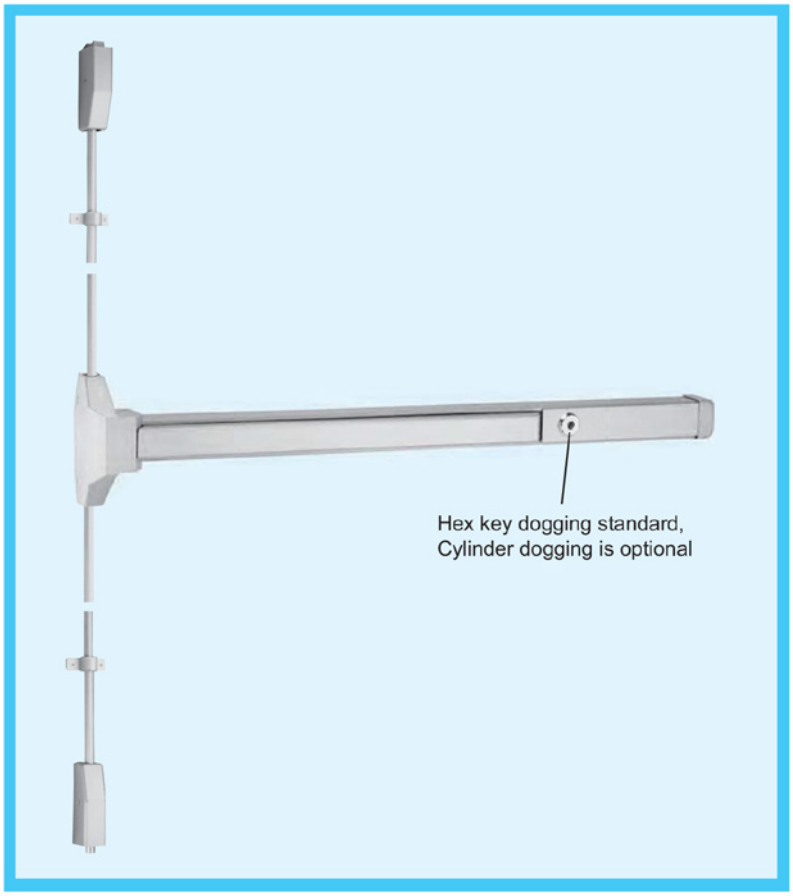
MODEL 5630S PANIC-RATED SVR EXIT DEVICE - For narrow stile and flush doors use

Application

- For use on all single or double doors where two-point latch is desirable (inactive leaf of double door in specialty). Fire rated device must be use on 4 'x 8" single or 8' x 8" double fire labeled doors (max. size).
- Fits for 1 3/4" (44mm) thick standard RHR or LHR hollow metal door and wood doors, other than standard 1 3/4" is available but specify door thickness when ordering.
- Minimum Door Stile width: 2 1/2" (63mm).

534 Top Strike
Applied to surface of stop.
Hardened steel and plated.

537 Bottom Strike
Applied to surface of floor.
Nonferrous alloy and plated.



Specifications

Device Head Cover	Stainless Steel, nonferrous alloy
Chassis	Steel, plated
Mechanism Housing	Steel or Stainless Steel
Push Bar	Steel or Stainless Steel
End Cap	Steel or Stainless Steel
Latch Bolt	100% stainless steel, 1/2" (13mm) throw
Latch Case Covers	Steel, stainless steel
Vertical Rods	Tubular aluminum with rod guides
Strikes	Top 534, Bottom 537
Handing	Non-handed

Mounting Fasteners	Machine screws furnished standard, Sex Nut and Bolt (SNB) are required to use for wood doors. Order SNB separately.
Dogging*	Hex key dogging standard (Allen-type key furnished)
Dogging Options	Cylinder dogging or Less dogging
Finish	605, 630, 689, 690, four finishes
Dimension	See Spec. Sheet
Device Length	See Spec. Sheet
UL Listed	For Panic Hardware

*Fire rated SVR device has no mechanical dogging. (Dogging device is not permitted on fire-rated exit device)

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DEVICE OUTSIDE TRIM

MODEL 58L SERIES ESCUTCHEON LEVERS

FEATURES:

1. Non handed, easily installed with exit device.
2. Provide 4 finishes for users and architects choosing: US3(605), US20A(690), US28(689), and US32D(630).
3. Trim has two through-bolts to the device chassis directly for more security and durability. It fits 1-3/4" (44mm) door standard. For 2" (51mm), 2-1/4" (57mm) thick door or the shim-mounted exit device, specify the door thickness when ordering.
4. The trim has four (4) models to meet different functions use, see the chart below.

Models and Functions:

Device Head Cover (Dummy trim is not recommended for fire device)	Key Locks & Unlocks Lever 	Lever Always Active (No Cylinder) 	Key Retracts Latch Bolt 	Pull when Dogged
Function	Classroom	Passage	Night Latch	Dummy
Trim Designation	Cylinder Escutcheon Lever	Blank Escutcheon Lever	Night Escutcheon Lever	Dummy Escutcheon Lever
Model Number and Use	58L01A	58L01B	58L01C	58L01D
	For 5510 Series Rim, 5530 Series Surface Vertical Rod			
Escutcheon Plate Size	8 1/16" x 2 5/8" x 29/32" (205mm x 67mm x 23mm)			
ANSI Function Numbers	08	14	03	02
Cylinder Type	1/4" Mortise	–	Mortise	–

- Escutcheon is made of steel or stainless steel, lever handle is made of zinc allow.
- When there is a key requirement, the trims may receive cylinders from other manufacturers.
- Cylinder is not furnished standard. Specify cylinder type (RC-Regular Cylinder, NC-No Cylinder) when the cylinder is required.

Optional Lever Design

58L 01A #01 Lever | **58L 05A #05 Lever** | **58L 17A #17 Lever**

Cylinder Selection

The cylinder has two types as shown below.

Mortis Cylinder 526 | **Rim Cylinder 426**

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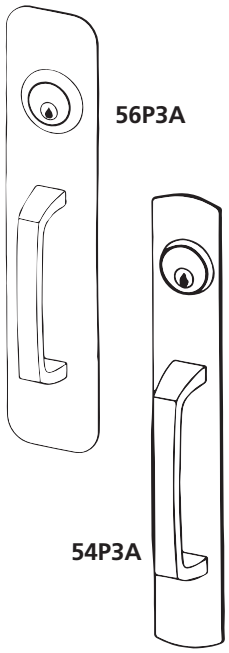
MODEL 56P AND 54P SERIES STANDARD PULL PLATES



Trim Designation	Cylinder Pull Plate (with cylinder)	Dummy Pull Plate (without cylinder)	Flate Plate (without cylinder & grip)
Function	Night Latch	Dummy	N/A
Operation	Key Retracts Latch Bolt	Pull when Dogged (Not for use with a Fire Device)	N/A
Escutcheon Plate Size	56P Series - L 11 $^{13}/_{16}$" x W 3" x T $^{3}/_{32}$" (300mm x 76mm x 2mm) 54P Series - L 11 $^{13}/_{16}$" x W 1 $^{25}/_{32}$" x T $^{3}/_{32}$" (300mm x 45mm x 2mm)		
Model Number for Wide Stile Exit Device	56P3A	56P3B	56P3D
	For 5510 Series Rim and 5530 Series SVR Devices Use		
Model Number for Narrow Stile Exit Device	54P3A	54P3B	54P3D
	For 5610S Rim and 5630S Series SVR Devices Use		
ANSI Function Numbers	03	02	10
Cylinder Types	Rim	–	–

MODEL 52R SERIES RAISED-LIP TYPE PULL PLATES

Trim Designation	Cylinder RL Type Pull Plate	Blank RL Type Pull Plate	Flate Plate (No Lips)
Function	Night Latch	Dummy	N/A
Operation	Key Retracts Latch Bolt	Pull when Dogged (Not for use with a Fire Device)	N/A
Dimensions	L 7 $^{11}/_{16}$" x W 3" x T $^{1}/_{8}$" (196mm x 76mm x 2mm)		
Model Number for use for Device Type	52R2A	52R2B	52R2D
	For 5510 Series Rim and 5530 Series SVR Devices Use		

- Cylinder is not furnished standard. When need to meet key requirements, the trims may receive cylinders from other manufacturers. Specify cylinder type (RC - Regular Cylinder, IC - Interchangeable Core, NC - No cylinder) when the cylinder is required.
- The face plates of thee trims are made of steel or stainless steel, lever handles are made of zinc alloy.
- 52R & 56P Series trims can retrofit 1 3/4" steel doors prepped for bored locks (per ANSI A115.2).
- 54P & 56P Series trims furnish mounting through-bolts, 52R Series trim furnishes sex nuts and bolts (SNB).
- Supply US3(605), US32D(630), and US28(689).
- To Order: Specify model numbers, cylinder type, finish code and add door thickness if the door is thicker that 1 3/4". For example: 52R2A-RC-630

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LEVERS

MODEL 55K AND 53K SERIES ROUND ROSE LEVERS

FEATURES:

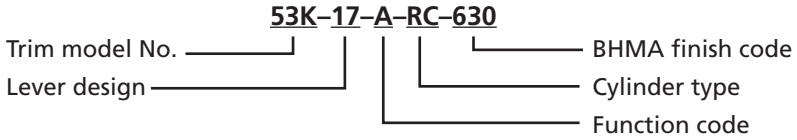
1. Non-handed, easily installed with exit device.
2. Easy operating lever handle allows convenient one hand operation.
3. Available finishes: US3(605), US20A(690), US28(689) and US32D(630).
4. Trim has two through-bolts to the device chassis directly for more security and durability.
5. The actuating shaft of this trim is made of hardened steel bar, it fits 1 3/4" (44mm) doors standard for 2" (51mm), 2 1/4" (57mm) thick door or the shim-mounted exit device, specify the door thickness when ordering.
6. Clutch freewheeling design. The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever.

Models and Functions:

Operation Options		Key Locks & Unlocks Lever	Key Retracts Latch Bolt	Lever Always Active (No Cylinder)	Pull when Dogged
Function		Classroom	Storeroom Night Latch	Passage	Dummy
Trim Designation		Cylinder Round Rose Lever	Night Latch Round Rose Lever	Blank Round Rose Lever	Dummy Round Rose Lever
Model Number and Use		55K01A	55K01C	55K01B	55K01D
		53K01A	53K01C	53K01B	53K01D
		For Rim, Surface Vertical Rod Exit Device Use			
Dimensions	55 Series	Rose diameter 3 3/8" (86mm). Lever length 4 3/4" (121mm), Projection 3"(76mm)			
	53 Series	Rose diameter 3 1/16" (78mm). Lever length 4 3/4" (121mm), Projection 3"(76mm)			
ANSI Function Numbers		08	03	14	02

- Rose Trim is made of steel or stainless steel, lever handle is made of zinc alloy.
- When need to meet key requirement, the trims may receive cylinders from other manufactures.
- Cylinder is not furnished standard. Specify cylinder type (RC-Regular Cylinder, IC - Interchangeable Core, NC - No Cylinder) when the cylinder is required.
- 55k Series trims can fit and cover cutout of 1 3/4" steel doors prep for bored locks with lever handles (per ANSI/BHMA A156.115).

How to order for 55K or 53K Series Trims:



Function code:
A - Classroom
B - Passage
C - Storeroom
D - Dummy

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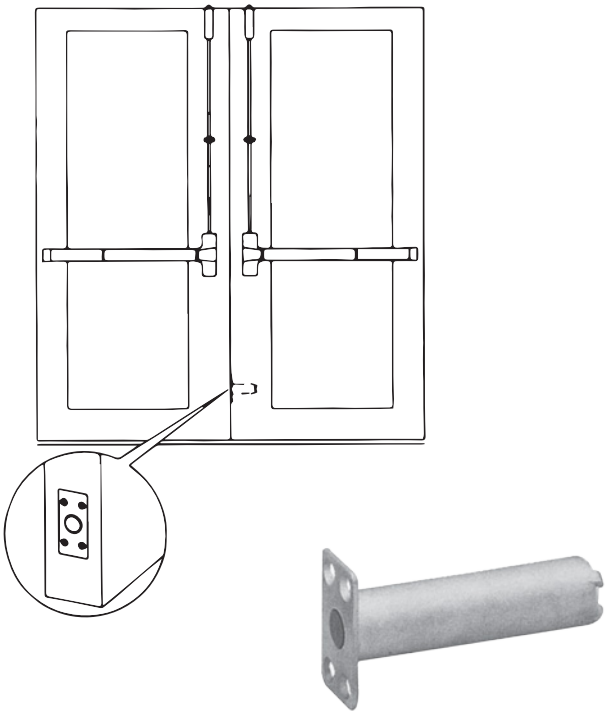
ACCESSORIES

FIRE LATCH BOLT, MODEL FLOOR

Fire latch bolt is used with a pair of UL listed fire rated LBR exit devices, it includes a spring and stainless steel bolt which installs in the lower door edge inside to replace the bottom vertical rods of two SVR exit devices on a double door. This UL listed fire latch bolt is a temperature-actuated bolt that is designed to release from one door leaf and engage the other door when the temperature exceeds the rating of the fusible link during a fire. When the fire latch bolt releases and connects with the opposite door leaf, it keeps the doors in alignment and closed during a fire.



Specifications

- UL listed, furnished with LBR device
- Faceplate: 1-25/32" x 1" (45mm x25.6)
- Bolt diameter: 27/32" (21.6mm)
- Length of Latch Bolt: 3-5/32" (80mm)
- Material: 100% stainless steel

DOGGING OPTIONS

Less Dogging (LD)

Less Dogging is available on all 5000 Series Panic Exit Devices when users want to remove the dogging option.

Cylinder Dogging (CD)

Cylinder Dogging is available on all 5000 Series Panic Exit Devices to replace the standard hex key dogging. Unit requires a standard 1-1/4" (32mm) mortise cylinder with a straight cam.

CYLINDER OPTIONS

Cylinders are not furnished with device or trim and must be specified when required. Refer to the trim pages for cylinder type.

	Mortise Cylinder	Rim Cylinder
Regular Type	526	426
Interchangeable Core Type	208	308

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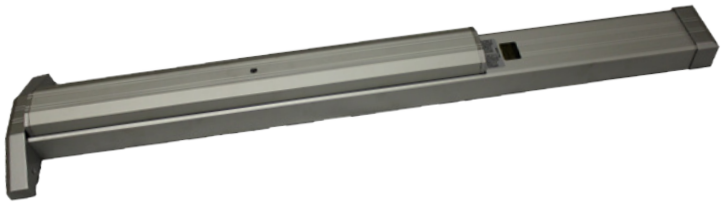
DESIGNED FOR ALUMINUM AND HOLLOW METAL DOORS

7100 SERIES

MODERN • FLAT TOUCHBAR

FEATURES

- Underwriter's Laboratories Inc. Listed Panic Hardware
- For use with narrow, medium and wide stile Aluminum doors
- Non-handed, Field Reversible for LHRB or RHRB doors
- Outside Unlatching and Dogging by Cylinder Key or Dogging by Hex Key in TouchBar
- Top Steel Toggle Latch and Bottom Steel Rod Latch Bolt
- Units use Standard Mortise Cylinder with MS Type Cam and M P-6182 Cylinder Mounting Pad
- Standard Units for 36"and 48"door widths (cut bar to fit) and up to 84" in height
- Can be used on 30" wide doors



PH-6000
Outside Pull Handle

MP-6000
Pull Handle Mounting Plate for Metal Doors

FINISHES

- AL - ALUMINUM- Anodized extruded Aluminum with Baked Aluminum Painted Cover Caps
- DU- STOREFRONT BRONZE- Bronze Anodized extruded Aluminum with Baked Storefront Bronze Painted Cover Caps
- WARRANTY: Refer to inside front cover
- US AND FOREIGN PATENTS

MP-6182
Cylinder Mounting Pad with Locking Ring

CZ-1001
Mortise Cylinder

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DESIGNED FOR ALUMINUM, HOLLOW METAL AND WOOD DOORS

7300 SERIES

RIM PANIC

FEATURES

- Underwriter's Laboratories Inc. Listed

- Panic Hardware

- For use with narrow, medium and wide stile Aluminum doors, Hollow Metal or Wood Doors

- Non-handed, for LHRB or RHRB doors

- Latch Bolt throw 5/8"

- Dogging by Hex Key in Touch Bar

- Outside Unlatching with standard Rim Cylinder

- Standard units for 36" and 48" door widths (cut bar to fit)

- Can be used on 30" wide doors

PH-6000
Outside Pull Handle

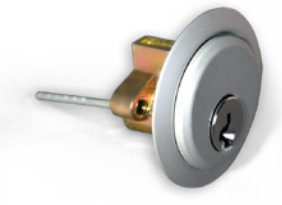
FINISHES

AL - ALUMINUM- Anodized extruded Aluminum with Baked Aluminum Painted Cover Caps

DU- STOREFRONT BRONZE- Bronze Anodized extruded Aluminum with Baked Storefront Bronze Painted Cover Caps

WARRANTY: Refer to inside front cover

MP-6000 Pull Handle
Mounting Plate for Wood or Metal Doors



RZ-1003 Rim Cylinder
Finishes Available:
AL - Anodized Satin Aluminum
BK - Anodized Black
DU - Anodized Bronze
Specify: Finish

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GRADE 1 • ARCHITECTURAL TYPE • EXIT DEVICES

8000 SERIES

SERIES HEAVY-DUTY MODELS

FEATURES

- All devices are non-handed design
- Slight pressure on device touch bar will retract latch(s) for immediate exit
- Auxiliary guarded latch deadlocks latch bolt automatically when door is closed
- High shock-resistant latching mechanical design for protection from vandalism
- All inside components are made of high rust-resistant alloy or heavily electroplated steel
- Anti-fading, electroplated or architectural base material finishes on all exposed surfaces are available
- With a dogging mechanism, users have a choice of hex-key or cylinder operated for positive push-pull action at peak traffic time. This dogging device will also help by increasing the life of the exit device (panic label only).

IDC 8000 Series Exit Devices are heavy duty and designed for heavy traffic applications. The devices are Underwriters Laboratory (UL, USA and ULC, Canada) listed for Panic Exit Hardware or Fire Exit Hardware, and are certified to ANSI A156.3-2001 Grade 1.

Rim Exit Device

Mortise Exit Device

Alarm Exit Device

Surface Exit Device

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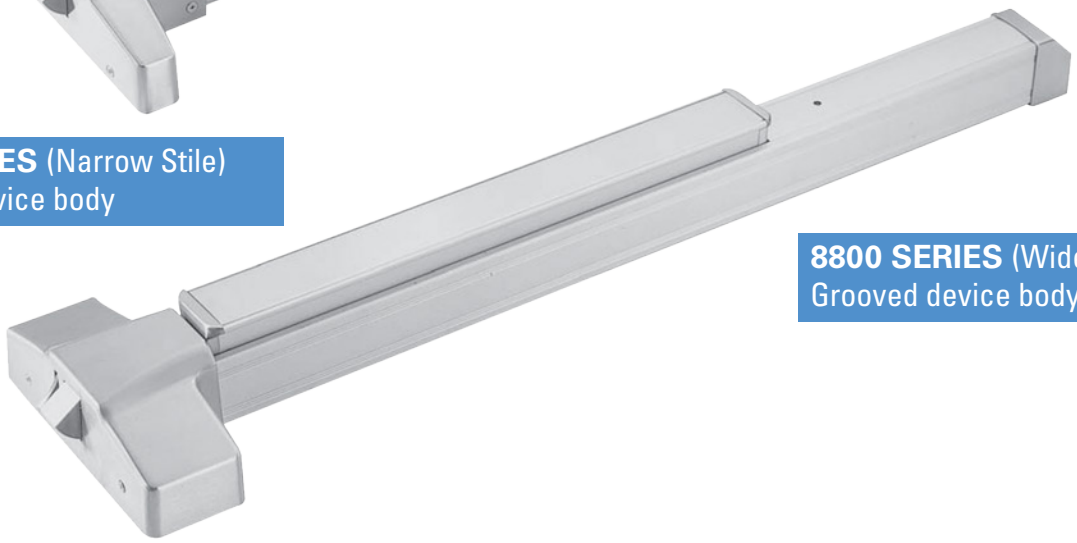
The IDC 8000 Series is a heavy-duty push bar exit device which has two external surface styles: Smooth Device Body and Grooved Device Body. The 8500 and 8600 Series are smooth device body. The 8700 and 8800 Series are grooved device body. These two styles provide a wide selection of style options for architects and building owners.

8500 SERIES (Narrow Stile)
Smooth device body

8600 SERIES (Wide Stile)
Smooth device body

8700 SERIES (Narrow Stile)
Grooved device body

8800 SERIES (Wide Stile)
Grooved device body



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Narrow Design Rim Exit Devices

MODEL 8510S/8710S NARROW PANIC-RATED RIM EXIT DEVICE
MODEL 8510F/8710F NARROW FIRE-RATED RIM EXIT DEVICE

IDC 8500 / 8700 Series heavy-duty narrow stile Panic and Fire-Rated Hardware are designed for contemporary glass, aluminum, wood and metal doors.

Certification

- **UL/cUL Listed:** UL listed as Panic Exit Hardware or 3-hour Fire Exit Hardware
- **ANSI Certified:** Devices are ANSI A156.3 – 2001 Grade 1

Application

- 8510S / 8710S narrow design rim exit devices are used for aluminum style full glass doors or narrow stile aluminum door applications. 8510F / 8710F narrow design rim exit devices are used for narrow or wide stile single doors up to 4′ x 8′ (1219mm x 2438mm) or 8′ x 8′ (2438mm x 2438mm) double metal or wood doors with mullion.
- The exit devices are available in the following finishes: US3, US4, US10, US10B, US26, US26D and US32D.

Specifications

Device Lengths	• Standard (36”): 33-15/32” (850mm) • Long (48”): 44-3/4” (1137mm)
Door Widths	• 36” - For 29” to 36” (736mm to 914mm) doors • 48” - For 33” to 48” (838mm to 1219mm) doors
Minimum Stile Width	2-19/32” (66mm)
Latch Bolt	3/4” (19mm) throw, deadlocking design
Strikes	801 (panic), 802 (fire)
Doggin Kit	• Panic device - Hex key dogging (RD) standard • Fire device - No mechanical dogging (ND)
Dogging Options	• Cylinder Dogging (CD) • Less Dogging (LD)
Mounting Fasteners	• Panic device - Machine screws furnished standard • Fire device - Sex nuts and bolts (SNB) supplied standard • Optional SNB are available for device, order separately
Mounting Height	Device center line from finished floor is 40” (1016mm) standard
Door Opening Height	Device centerline from finished floor is 40” (1016mm) standard
Projection	Pushbar Neutral: 3-1/16” (78mm), Pushbar Depressed: 2-19/32” (66mm)

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Narrow Design Rim Exit Devices

MODEL 8530S/8730S NARROW DESIGN PANIC-RATED RIM EXIT DEVICE
MODEL 8530F/8730F NARROW DESIGN FIRE-RATED RIM EXIT DEVICE

Certification

- **UL/cUL Listed:** Panic Exit Hardware or 3-hour Fire Exit Hardware
- **ANSI Certified:** Devices are ANSI A156.3 – 2001 Grade 1

Application

- Narrow design Panic SVR exit devices are used for aluminum frame full glass doors or narrow stile aluminum door applications. The narrow design Fire SVR exit devices are use for wide stile pairs of metal or wood doors up to 8′ x 8′ (2438mm x 2438mm).
- The exit devices are available in the following finishes: US3, US4, US10, US10B, US26, US26D and US32D.

Specifications

Device Lengths	• Standard (36”): 33-15/32” (850mm) • Long (48”): 44-3/4” (1137mm)
Door Widths	• 36” - For 29” to 36” (736mm to 914mm) doors • 48” - For 33” to 48” (838mm to 1219mm) doors
Minimum Stile Width	2-19/32”(66mm)
Latch Bolt	• Top latch - 5/8” (16mm) throw, can be deadlocked automatically • Bottom latch - 5/8” (16mm) throw, held retracted during door swing
Strikes	• Top: 812 (Panic), 822 (Fire). • Bottom: 815 (Panic), 825 (Fire)
Doggin Kit	• Panic device - Hex key dogging (RD) standard • Fire device - No mechanical dogging (ND)
Dogging Options	• Cylinder Dogging (CD) • Less Dogging (LD)
Mounting Fasteners	• Panic device - Machine screws furnished for device standard SNB furnished for top & bottom latches • Fire device - Sex nuts and bolts (SNB) supplied standard SNB are required for wood doors, supplied standard
Mounting Height	Device centerline from finished floor is 40” (1016mm) standard
Door Opening Height	Standard door height is 7′ (Optional 8′ door is available)
Vertical Rods	• 1/2” (13mm) diameter tubular with rod guides • Top rod has two pieces to connect for accommodating 7′ or 8′ doors • Bottom rod is one piece with a length of 31-1/4” (794mm)
Projection	Pushbar Neutral: 3-1/16” (78mm) and Pushbar Depressed: 2-19/32” (66mm)

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Narrow Design Concealed Vertical Rod

MODEL 8550S/8750S NARROW DESIGN PANIC-RATED RIM CVR EXIT DEVICE
MODEL 8550F/8750F NARROW DESIGN FIRE-RATED RIM CVR EXIT DEVICE

Certification

- **UL/cUL Listed:** Panic Exit Hardware or 3-hour Fire Exit Hardware
- **ANSI Certified:** Devices are ANSI A156.3 – 2001 Grade 1

Application

- Narrow design Panic CVR exit devices are used for the aluminum frame full glass doors or narrow stile aluminum door applications. The narrow design Fire CVR exit devices are used with wide stile pairs of steel doors up to 8′ x 8′ (2438mm x 2438mm).
- The exit devices are available in the following finishes: US3, US4, US10, US10B, US26, US26D and US32D.

Specifications

Device Lengths	• Standard (36”): 33-15/32” (850mm) • Long (48”): 44-3/4” (1137mm)
Door Widths	• 36” - For 29” to 36” (736mm to 914mm) doors • 48” - For 33” to 48” (838mm to 1219mm) doors
Minimum Stile Width	2-19/32” (66mm)
Latch Bolt	• Top latch - 5/8” (16mm) throw, can be deadlocked automatically • Bottom latch - 5/8” (16mm) throw, held retracted during door swing
Strikes	• Top: 812 (Panic), 823 (Fire). • Bottom: 815 (Panic), 825 (Fire)
Doggin Kit	• Panic device - Hex key dogging (RD) standard • Fire device - No mechanical dogging (ND)
Dogging Options	• Cylinder Dogging (CD) • Less Dogging (LD)
Mounting Fasteners	• Panic device - Machine screws furnished for device standard SNB furnished for top & bottom latches • Fire device - Sex nuts and bolts (SNB) supplied standard SNB are required for wood doors, supplied standard
Mounting Height	Device centerline from finished floor is 40” (1016mm) standard
Door Opening Height	Standard door height is 7′ (Optional 8′ door is available)
Vertical Rods	• 1/2” (13mm) diameter tubular with rod guides • Top rod has two pieces to connect for accommodating 7′ or 8′ doors • Bottom rod is one piece with a length of 31-1/4” (794mm)
Projection	Pushbar Neutral: 3-1/16” (78mm) and Pushbar Depressed: 2-19/32” (66mm)

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Rim Exit Devices

MODEL 8610S/8810S PANIC-RATED RIM EXIT DEVICE
MODEL 8610F/8810F FIRE-RATED RIM EXIT DEVICE

- MODEL 8610S/8810S PANIC-RATED RIM EXIT DEVICE
- MODEL 8610F/8810F FIRE-RATED RIM EXIT DEVICE

The IDC 8600 and 8800 Series have a full line of heavy-duty wide stile Panic and Fire-rated Hardware. This series offer durability, safety and meet the security demand and access control needs of today.

Certification

- **UL/cUL Listed:** UL listed as Panic Exit Hardware or 3-hour Fire Exit Hardware
- **ANSI Certified:** Devices are ANSI A156.3 – 2001 Grade 1

Application

- 8610S/8810S rim exit devices are used for all types of single double doors with mullion.
- 8610F/8810F rim exit devises are used for UL listed fire labeled single doors up to 4’ x 8’ (1219mm x 2438mm) or 8’ x 8’ (2438mm x 2438mm) double doors with mullion.
- The exit devices are available in the following finishes: US3, US4, US10, US10B, US26, US26D and US32D.

Specifications

Device Lengths	• Standard (36”): 33-15/32” (850mm) • Long (48”): 44-3/4” (1137mm)
Door Widths	• 36” - For 29” to 36” (736mm to 914mm) doors • 48” - For 33” to 48” (838mm to 1219mm) doors
Minimum Stile Width	4-1/4” (107mm)
Latch Bolt	3/4” (19mm) throw, deadlocking design
Strikes	801 (panic), 802 (fire)
Doggin Kit	• Panic device - Hex key dogging (RD) standard • Fire device - No mechanical dogging (ND)
Dogging Options	• Cylinder Dogging (CD) • Less Dogging (LD)
Mounting Fasteners	• Panic device - Machine screws furnished standard • Fire device - Sex nuts and bolts (SNB) supplied standard • SNB are required to use for wood doors, supplied standard
Mounting Height	Device center line from finished floor is 40” (1016mm) standard
Projection	Pushbar Neutral: 3-1/16” (78mm), Pushbar Depressed: 2-19/32” (66mm)

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Mortise Lock Exit Devices

MODEL 8620S/8820S PANIC-RATED MORTISE EXIT DEVICE
MODEL 8620F/8820F FIRE-RATED MORTISE EXIT DEVICE

Certification

- **UL/cUL Listed:** Panic Exit Hardware or 3-hour Fire Exit Hardware
- **ANSI Certified:** Devices are ANSI A156.3 – 2001 Grade 1

Application

- 8620S/8820S mortise lock exit devices are used for all types of single double doors with mullion.
- 86210F/8820F mortise lock exit devises are used for UL listed fire labeled single doors up to 4' x 8' (1219mm x 2438mm) or 8' x 8' (2438mm x 2438mm) double doors installations.
- The exit devices are available in the following finishes: US3, US4, US10, US10B, US26, US26D and US32D.

How to Order
When ordering a Mortise Lock Exit Device,choose a model of trim together; and specify the lever design and finish.

Example:

- 8820S-36-88E01A-RC-626
- 8820F-48-89E17A-NC-63

Specifications

Device Lengths	• Standard (36"): 33-15/32" (850mm) • Long (48"): 44-3/4" (1137mm)
Door Widths	• 36" - For 29" to 36" (736mm to 914mm) doors • 48" - For 33" to 48" (838mm to 1219mm) doors
Minimum Stile Width	4-1/4" (107mm)
Latch Bolt	Stainless steel two-piece mechanical 3/4" (19mm) with anti-friction inserted auxiliary deadlocking latch
Strikes	Universal curved lip, non-handed, 818 (panic), 828 (fire). Optional 831(panic) or 832 (fire) flat ANSI Strike for door pairs with overlapping astragal(7/8" lip)
Doggin Kit	• Panic device - Hex key dogging (RD) standard • Fire device - No mechanical dogging (ND)
Dogging Options	• Cylinder Dogging (CD) • Less Dogging (LD)
Mounting Fasteners	• Panic device - Machine screws furnished standard • Fire device - Sex nuts and bolts (SNB) supplied standard • SNB are required to use for wood doors, supplied standard
Electric Strikes	Compatible with Von Duprin 6000 Series Electric Strikesor Folger Adam 300, 500, 600, or 700 Series Strikes
Mounting Height	Device center line from finished floor is 40" (1016mm) standard
Projection	Pushbar Neutral: 3-1/16" (78mm), Pushbar Depressed: 2-19/32" (66mm)

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Surface Vertical Rod Exit Devices

MODEL 8630S/8830S PANIC-RATED SVR EXIT DEVICE
MODEL 8630F/8830F FIRE-RATED SVR EXIT DEVICE

Certification

- **UL/cUL Listed:** Panic Exit Hardware or 3-hour Fire Exit Hardware
- **ANSI Certified:** Devices are ANSI A156.3 – 2001 Grade 1

Application

- Panic SVR exit devices are used for all types of single and double doors. Fire SVR exit devices are used for UL listed fire labeled pairs of doors up to 8' x 8' (2438mm x 2438mm)
- Available finishes: US3, US4, US10, US10B, US26, US26D and US32D
- For LBR device

Above models are not available for 9' or 10'door height use. If doors are over 8' please specify when ordering.

Example:

- Model 10FT-8630S / 10FT-8830S
- Model 10FT-8630F / 10FT-8830F

Specifications

Device Lengths	• Standard (36"): 33-15/32" (850mm) • Long (48"): 44-3/4" (1137mm)
Door Widths	• 36" - For 29" to 36" (736mm to 914mm) doors • 48" - For 33" to 48" (838mm to 1219mm) doors
Minimum Stile Width	4-1/4" (107mm)
Latch Bolt	• Top latch - 5/8" (16mm) throw, can be deadlocked automatically • Bottom latch - 5/8" (16mm) throw, held retracted during door swing
Strikes	• Top: 812 (Panic), 822 (Fire). • Bottom: 815 (Panic), 825 (Fire)
Doggin Kit	• Panic device - Hex key dogging (RD) standard • Fire device - No mechanical dogging (ND)
Dogging Options	• Cylinder Dogging (CD) • Less Dogging (LD)
Mounting Fasteners	• Panic device - Machine screws furnished for device standard *SNB furnished for top and bottom latches* • Fire device - Sex nuts and bolts (SNB) supplied standard *SNB are required for wood doors, supplied standard*
Mounting Height	Device centerline from finished floor is 40" (1016mm) standard
Door Opening Height	Standard door height is 7' (Optional 8' door is available)
Vertical Rods	• 1/2" (13mm) diameter tubular with rod guides Top rod has two pieces to connect for accommodating 7' or 8' doors. • Bottom rod is one piece with a length of 31-1/4" (794mm)
Projection	Pushbar Neutral: 3-1/16" (78mm), Pushbar Depressed: 2-19/32" (66mm)

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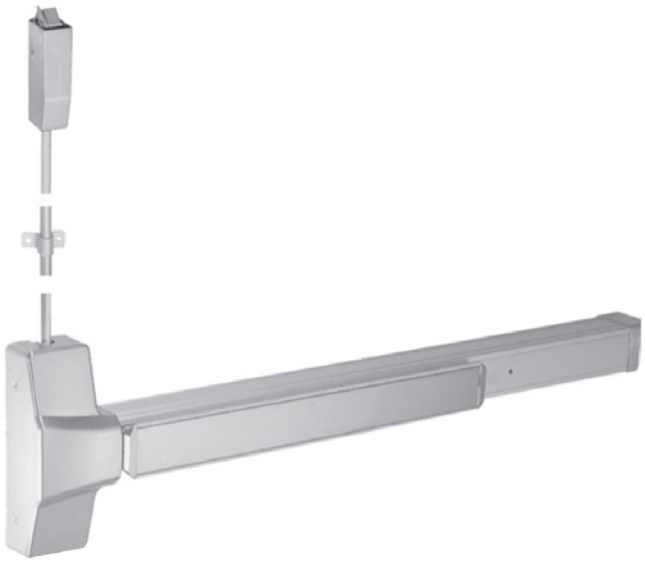
Less Bottom Rod Surface Vertical Rod Exit Devices

MODEL LBR8630S/LBR8830S PANIC-RATED SVR EXIT DEVICE LESS BOTTOM ROD
MODEL LBR8630F/LBR8830F FIRE-RATED SVR EXIT DEVICE LESS BOTTOM ROD



Certification

- **UL/cUL Listed:** Panic Exit Hardware or 3-hour Fire Exit Hardware
- **ANSI Certified:** Devices are ANSI A156.3 – 2001 Grade 1

Application

- Panic SVR exit devices are used for all types of single and double doors. Fire SVR exit devices are used for UL listed fire labeled pairs of doors up to 8′ x 8′ (2438mm x 2438mm)
- Available finishes: US3, US4, US10, US10B, US26, US26D and US32D
- For LBR device

Above models are not available for 9′ or 10′door height use. If doors are over 8′ please specify when ordering.

Example:

- Model 10FT-8630S / 10FT-8830S
- Model 10FT-8630F / 10FT-8830F

Specifications

Device Lengths	• Standard (36”): 33-15/32” (850mm) • Long (48”): 44-3/4” (1137mm)
Door Widths	• 36” - For 29” to 36” (736mm to 914mm) doors • 48” - For 33” to 48” (838mm to 1219mm) doors
Minimum Stile Width	4-1/4” (107mm)
Latch Bolt	• Top latch - 5/8” (16mm) throw, can be deadlocked automatically • Bottom latch - 5/8” (16mm) throw, held retracted during door swing
Strikes	• Top: 812 (Panic), 822 (Fire). • Bottom: 815 (Panic), 825 (Fire)
Doggin Kit	• Panic device - Hex key dogging (RD) standard • Fire device - No mechanical dogging (ND)
Dogging Options	• Cylinder Dogging (CD) • Less Dogging (LD)
Mounting Fasteners	• Panic device - Machine screws furnished for device standard *SNB furnished for top and bottom latches* • Fire device - Sex nuts and bolts (SNB) supplied standard *SNB are required for wood doors, supplied standard*
Mounting Height	Device centerline from finished floor is 40” (1016mm) standard
Door Opening Height	Standard door height is 7′ (Optional 8′ door is available)
Vertical Rods	• 1/2” (13mm) diameter tubular with rod guides Top rod has two pieces to connect for accommodating 7′ or 8′ doors. • Bottom rod is one piece with a length of 31-1/4” (794mm)
Projection	Pushbar Neutral: 3-1/16” (78mm), Pushbar Depressed: 2-19/32” (66mm)

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Concealed Vertical Rod Exit Devices

MODEL 8650S/8850S PANIC-RATED CVR EXIT DEVICE
MODEL 8650F/8850F FIRE-RATED CVR EXIT DEVICE

Certification

- **UL/cUL Listed:** Panic Exit Hardware or 3-hour Fire Exit Hardware
- **ANSI Certified:** Devices are ANSI A156.3 – 2001 Grade 1

Application

- Panic CVR exit devices are used on single or double metal doors. Fire CVR exit devices are used for UL listed fire labeled pairs of steel doors up to 8′ x 8′ (2438mm x 2438mm).
- The exit devices are available in the following finishes: US3, US4, US10, US10B, US26, US26D and US32D.
- CVR models can not be installed without bottom rod (LBR), only Surface (SVR) models can only be installed less bottom rod.

Above models are not available for 9′ or 10′door height use. If doors are over 8′ please specify when ordering.

Example:

- Model 10FT-8650S / 10FT-8850S
- Model 10FT-8650F / 10FT-8850F

Specifications

Device Lengths	• Standard (36”): 33-15/32” (850mm) • Long (48”): 44-3/4” (1137mm)
Door Widths	• 36” - For 29” to 36” (736mm to 914mm) doors • 48” - For 33” to 48” (838mm to 1219mm) doors
Minimum Stile Width	4-1/4” (107mm)
Latch Bolt	• Top latch - 5/8” (16mm) throw, can be deadlocked automatically • Bottom latch - 5/8” (16mm) throw, held retracted during door swing
Strikes	• Top: 812 (Panic), 823 (Fire). • Bottom: 815 (Panic), 825 (Fire)
Doggin Kit	• Panic device - Hex key dogging (RD) standard • Fire device - No mechanical dogging (ND)
Dogging Options	• Cylinder Dogging (CD) • Less Dogging (LD)
Mounting Fasteners	• Panic device - Machine screws furnished for device standard *SNB furnished for top and bottom latches* • Fire device - Sex nuts and bolts (SNB) supplied standard *SNB are required for wood doors, supplied standard*
Mounting Height	Device centerline from finished floor is 40” (1016mm) standard
Door Opening Height	Standard door height is 7′ (Optional 8′ door is available)
Vertical Rods	• 1/2” (13mm) diameter tubular with rod guides Top rod has two pieces to connect for accommodating 7′ or 8′ doors. • Bottom rod is one piece with a length of 31-1/4” (794mm)
Projection	Pushbar Neutral: 3-1/16” (78mm), Pushbar Depressed: 2-19/32” (66mm)

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Electrified Exit Devices

ALARM EXIT DEVICE

All IDC 8000 series exit devices can be converted into alarm devices. Its feature is used to deter and signalthe unauthorized use of a door opening. The push bar is printed with "EMERGENCY EXIT ONLY, PUSH TOOPEN ALARM WILL SOUND" in red lettering.

The alarm exit device is operated by a 9 volt battery and has two alarm modes:

- **Type A - Monitors push bar**
  When the push bar is depressed, the alarm will sound. This type is suitable for exit device without outsidelever trim (for exit only).
- **Type B - Monitors push bar and latch bolt**
  When the push bar is depressed or the latch bolt is retracted by operating the outside lever trim, the alarmwill sound.Model numbers for orderingPrefix "AL" on any on 8000 series model number and suffix: "A" or "B", then add the device length for 36" and48" door sizes, then the finish code.

FOR EXAMPLE:

- **AL8810SA - 36 - 630** (i.e. Panic-Rated Rim Exit Device + Type A alarm, 36", 630)
- **AL8830SB - 48 - 626** (i.e. Panic -Rated SVR Exit Device + Type B alarm, 48", 626)
- **When panic-rated exit devices are converted to an alarm exit device, the dogging function is not available.**

DELAYED EGRESS EXIT DEVICE

The delayed egress exit device can provide a controlled egress for opening. When the exit device is in the arming stage, it will deny exit to unauthorized persons for 15 - 30 seconds. If depressed for 3 secondsor longer, the device will sound a local and a remote audible alarm. The remote monitor signal will alertthe security personnel. The delayed egress device is furnished with a sticker in red letters which states:

EMERGENCY EXIT ONLY
PUSH UNTIL ALARM SOUND
DOOR AN BE OPEND IN 15 SECONDS

When the exit device is in the arming mode, turning the key clockwise to the bypass position will allow authorized personnel to exit for maintenance or egress without sounding the alarm. If the exit device is in the arming mode, turn the key switch counterclockwise to the reset position and it will release the device without sounding the alarm for egress and will rearm after 10 seconds.

- **Device is ANSI A156.3 Grade 1 and ANSI A156.24.**

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DEVICE OUTSIDE TRIM

MODEL 88L AND 88E SERIES ESCUTCHEON LEVERS (SQUARE DESIGN)

FEATURES:

1. Non handed, easily installed with exit device.
2. Easy operating lever handle allows convenient one hand operation.
3. Available finishes: US3, US4, US10, US10B, US26, US26B, US28 and US32D
4. Trim has 4 through-bolts to the device chassis directly for better security and durability. It fits 1-3/4" (44) door standard. For 2" (51mm), 2-1/4" (57mm) thick door or the shim-mounted exit device, specify the door thickness when ordering.
5. 88L Series Escutcheons are forged bronze and the levers are zinc alloy castings.
6. Anti-Vandalism design prevents the lock from being damaged when a key locks the lever.

Models and Functions:

Operation Options	Key Locks & Unlocks Lever	Lever Always Active (No Cylinder)	Key Retracts Latch Bolt (Rigid Lever)	Pull when Dogged (Rigid Lever)
Function	Classroom	Passage	Night Latch	Dummy
Trim Designation	Cylinder Escutcheon Lever	Blank Escutcheon Lever	Night Escutcheon Lever	Dummy Escutcheon Lever
Model Number and Use	88L01A	88L01B	88L01C	88L01D
	For Rim, Surface / Concealed Vertical Rod, LBR Exit Devices Use:			
	88E01A	88E01B	88E01C	88E01D
	For Mortise Lock Exit Devices Use Only			
Escutcheon Plate Size	9 $^{7}/_{16}$" x 2 $^{15}/_{16}$" x $^{13}/_{16}$" (240mm x 75mm x 21mm)			
ANSI Function	08	14	03	02
Cylinder Type	$^{1}/_{4}$" Mortise	–	Rim	–

- When there is a key requirement, the trims may receive cylinders from other manufacturers.
- Cylinder is not furnished standard. Specify cylinder type (RC-Regular Cylinder, NC-No Cylinder) when the cylinder is required.

Optional Lever Design

88L 01A #01 Lever | **88L 05A #05 Lever** | **88L 17A #17 Lever**

Cylinder Selection

The cylinder has two types as shown below.

Mortis Cylinder 526 | **Rim Cylinder 426**

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DEVICE OUTSIDE TRIM

MODEL 89L AND 89E SERIES ESCUTCHEON LEVERS

FEATURES:

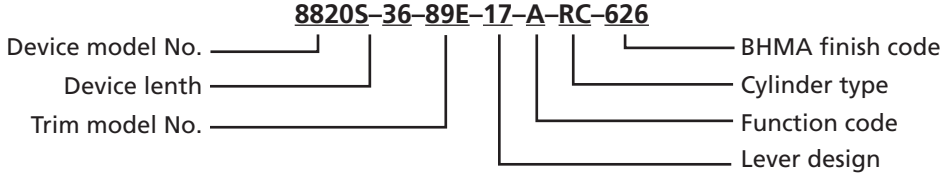
1. Non-handed easy installation
2. Easy operating lever handle allows convenient one hand operation.
3. Available finishes: US3, US4, US10, US10B, US26, US26B, US28 and US32D
4. Trim has 4 through-bolts to the device chassis directly for better security and durability. It fits 1-3/4" (44) door standard. For 2" (51mm), 2-1/4" (57mm) thick door or the shim-mounted exit device, specify the door thickness when ordering.
5. Clutch freewheeling design. The lever rotates when the door is locked, preventing excessive force from being applied to the horizontal lever.

Models and Functions:

Operation Options	Key Locks & Unlocks Lever	Lever Always Active (No Cylinder)	Key Retracts Latch Bolt (Rigid Lever)	Pull when Dogged (Rigid Lever)
Function	Classroom	Passage	Night Latch	Dummy
Trim Designation	Cylinder Escutcheon Lever	Blank Escutcheon Lever	Night Escutcheon Lever	Dummy Escutcheon Lever
Model Number and Use	89L01A	89L01B	89L01C	89L01D
	For Rim, Surface / Concealed Vertical Rod, LBR Exit Devices Use:			
	89E01A	89E01B	89E01C	89E01D
	For Mortise Lock Exit Devices Use Only			
Escutcheon Plate Size	8 $^{27}/_{32}$" x 2 $^{15}/_{16}$" x $^{15}/_{16}$" (255mm x 75mm x 24mm)			
ANSI Function	08	14	03	02
Cylinder Type	$^{1}/_{4}$" Mortise	–	Rim	–

- In order to meet key requirements, the trims may receive cylinders from other manufacturers.
- Cylinder is not furnished standard. Specify cylinder type (RC - Regular Cylinder, IC - Interchangeable Core, NC - No Cylinder) when the cylinder is required.
- The 88E or 89E Series trims, which are used for mortise lock exit devices only, are not available to be ordered individually. Any one trim must be packed together with a mortise lock exit device when ordered.

Ordering Information:



Function code:
A - Classroom
B - Passage
C - Storeroom
D - Dummy

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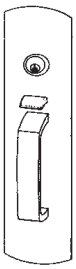
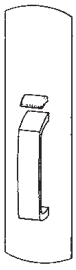
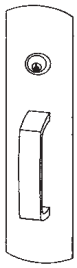
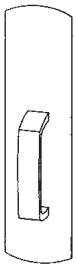
DEVICE OUTSIDE TRIM

MODEL 87P AND 87E SERIES PULL PLATES – FOR WIDE STILE EXIT DEVICE USE

FEATURES:

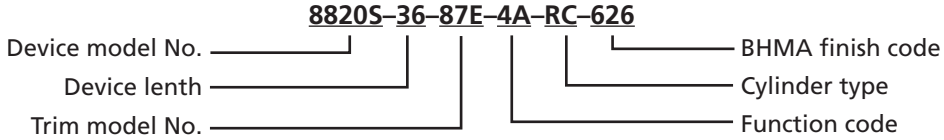
1. Non-handed, easily installed with exit device.
2. Available finishes: US3, US4, US10, US10B, US26, US26D, US28 and US32D.
3. Trim has through-bolts to the device chassis for more security and durability. This product fits 1-3/4" (44mm) doors standard. For 2" (51mm) or 2-1/4" (57mm) thick door or the shim-mounted exit device, specify the door thickness when ordering.

Models and Functions:

Operation Options	Key Locks & Unlocks Thumbpiece 	Lever Always Active (No Cylinder) 	Key Retracts Latch Bolt 	Pull when Dogged 
Function	Classroom	Passage	Night Latch	Dummy
Trim Designation	Cylinder Pull Plate with Thumbpiece	Blank Pull Plate with Thumbpiece	Cylinder Pull Plate	Dummy Pull Plate
Model Number and Use	87P-5A	87P-5B	87P-5C	87P-5D
	For Rim, Surface Vertical Rod Type, and LBR Type Exit Devices Use			
	87P-6A	87P-6B	87P-6C	87P-6D
	Concealed Vertical Rod Type Exit Devices Use			
	87E-4A	87E-4B	87E-4C	87E-4D
	For Mortise Lock Exit Devices Use Only			
Escutcheon Plate Size	14 $^{11}/_{16}$" x 3" x $^{3}/_{32}$" (373mm x 76mm x 2mm)			
ANSI Function	08	14	03	02
Cylinder Type	$^{1}/_{4}$" Mortise	–	Rim	–

- In order to meet key requirements, the trims may receive cylinders from other manufacturers.
- Cylinder is not furnished standard. Specify cylinder type (RC-Regular Cylinder, IC- Interchageable Core, NC-No Cylinder) when a cylinder is required.
- The 87E Series trims that are used for mortise lock exit devices, are not available to be ordered individually. When ordering any one trim, it must be packed together with a mortise lock exit device.

To order the 87E Series Trims with mortise lock device, please specify in the following format:



Function code:
A - Classroom
B - Passage
C - Storeroom
D - Dummy

- **To order the 87P Series Trims:** Specify model series number, lever design number, fuction code (A, B, C, D), cylinder type and BHMA finish code. EXAMPLE: 87P-6A-RC-626

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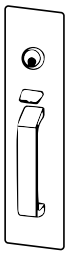
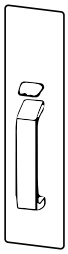
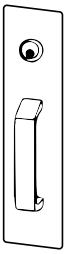
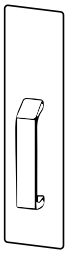
DEVICE OUTSIDE TRIM

MODEL86P AND 86E SERIES PULL PLATES – FOR WIDE STILE EXIT DEVICE USE

FEATURES:

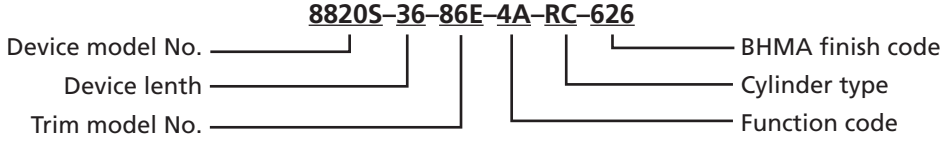
1. Non-handed, easily installed with exit device.
2. Available finishes: US3, US4, US10, US10B, US26, US26D, US28 and US32D.
3. Trim has through-bolts to the device chassis for more security and durability. This product fits 1-3/4" (44mm) doors standard. For 2" (51mm) or 2-1/4" (57mm) thick door or the shim-mounted exit device, specify the door thickness when ordering.

Models and Functions:

Operation Options	Key Locks & Unlocks Thumbpiece	Lever Always Active (No Cylinder)	Key Retracts Latch Bolt	Pull when Dogged
				
Function	Classroom	Passage	Night Latch	Dummy
Trim Designation	Cylinder Pull Plate with Thumbpiece	Blank Pull Plate with Thumbpiece	Cylinder Pull Plate	Dummy Pull Plate
Model Number and Use	86P-5A	86P-5B	86P-5C	86P-5D
	For Rim, Surface Vertical Rod Type, and LBR Type Exit Devices Use			
	86P-6A	86P-6B	86P-6C	86P-6D
	Concealed Vertical Rod Type Exit Devices Use			
	86E-4A	86E-4B	86E-4C	86E-4D
	For Mortise Lock Exit Devices Use Only			
Escutcheon Plate Size	13 $^{31}/_{32}$" x 3" x $^{3}/_{32}$" (355mm x 76mm x 2mm)			
ANSI Function	08	14	03	02
Cylinder Type	$^{1}/_{4}$" Mortise	–	Rim	–

- To meet key requirements, the tirms may receive cylinders from other manufacturers.
- Cylinder is not furnished standard. Specify cylinder type: (RC-Regular Cylinder, IC-Interchangeable Core, NC- No Cylinder) when a cylinder is required.
- The 86E Series trims, which are used for mortise lock exit devices only, are not available to be ordered individually. When ordering any one trim it must be packed together with a mortise lock exit device.

To order the 86E Series Trims with mortise lock device, please specify in the following format:



Function code:
A - Classroom
B - Passage
C - Storeroom
D - Dummy

- **To order the 86P Series Trims:** Specify model series number, lever design number, fuction code (A, B, C, D), cylinder type and BHMAfinish code. EXAMPLE: 86P-5A-RC-626

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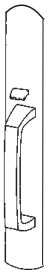
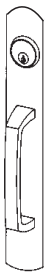
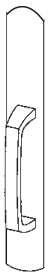
DEVICE OUTSIDE TRIM

MODEL85P SERIES PULL PLATES – FOR NARROW STILE EXIT DEVICE USE

FEATURES:

1. Non-handed, easily installed with exit device.
2. Available finishes: US3, US4, US10, US10B, US26, US26D, US28 and US32D.
3. Trim has through-bolts to the device chassis for more security and durability. This product fits 1-3/4" (44mm) doors standard. For 2" (51mm) or 2-1/4" (57mm) thick door or the shim-mounted exit device, specify the door thickness when ordering.

Models and Functions:

Operation Options	Key Locks & Unlocks Thumbpiece	Lever Always Active (No Cylinder)	Key Retracts Latch Bolt	Pull when Dogged
				
Function	Classroom	Passage	Night Latch	Dummy
Trim Designation	Cylinder Pull Plate with Thumbpiece	Blank Pull Plate with Thumbpiece	Cylinder Pull Plate	Dummy Pull Plate
Model Number and Use	85P-3A	85P-3B	85P-3C	85P-3D
	For Rim, Surface Vertical Rod Type Exit Devices Use			
	85P-4A	85P-4B	85P-4C	85P-4D
	Concealed Vertical Rod Type Exit Devices Use			
Escutcheon Plate Size	11 $^{13}/_{16}$" x 1 $^{25}/_{32}$" x $^{3}/_{32}$" (300mm x 45mm x 2mm)			
ANSI Function	08	14	03	02
Cylinder Type	$^{1}/_{4}$" Mortise	–	Rim	–

- To meet key requirements, the tirms may receive cylinders from other manufacturers.
- Cylinder is not furnished standard. Specify cylinder type: (RC-Regular Cylinder, IC-Interchangeable Core, NC- No Cylinder) when a cylinder is required.
- The 86E Series trims, which are used for mortise lock exit devices only, are not available to be ordered individually. When ordering any one trim it must be packed together with a mortise lock exit device.

- **To order the 85P Series Trims:** Specify model series number, lever design number, fuction code (A, B, C, D), cylinder type and BHMAfinish code. EXAMPLE: 85P-3A-RC-626

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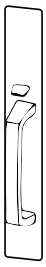
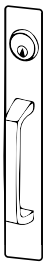
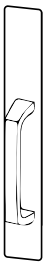
DEVICE OUTSIDE TRIM

MODEL84P SERIES PULL PLATES – FOR NARROW STILE EXIT DEVICE USE

FEATURES:

1. Non-handed, easily installed with exit device.
2. Available finishes: US3, US4, US10, US10B, US26, US26D, US28 and US32D.
3. Trim has through-bolts to the device chassis for more security and durability. This product fits 1-3/4" (44mm) doors standard. For 2" (51mm) or 2-1/4" (57mm) thick door or the shim-mounted exit device, specify the door thickness when ordering.

Models and Functions:

Operation Options	Key Locks & Unlocks Thumbpiece	Lever Always Active (No Cylinder) 	Key Retracts Latch Bolt 	Pull when Dogged 
Function	Classroom	Passage	Night Latch	Dummy
Trim Designation	Cylinder Pull Plate with Thumbpiece	Blank Pull Plate with Thumbpiece	Cylinder Pull Plate	Dummy Pull Plate
Model Number and Use	84P-3A	84P-3B	84P-3C	84P-3D
	For Rim, Surface Vertical Rod Type Exit Devices Use			
	84P-4A	84P-4B	84P-4C	84P-4D
	Concealed Vertical Rod Type Exit Devices Use			
Escutcheon Plate Size	11 $^{13}/_{16}$" x 1 $^{25}/_{32}$" x $^{3}/_{32}$" (300mm x 45mm x 2mm)			
ANSI Function	08	14	03	02
Cylinder Type	$^{1}/_{4}$" Mortise	–	Rim	–

- In order to meet key requirements, the trims may receive cylinders from other manufacturers.
- Cylinder is not furnished standard. Specify cylinder type (RC-Regular Cylinder, IC- Interchageable Core, NC-No Cylinder) when a cylinder is required.
- **To order the 84P Series Trims:** Specify model No., lever design No., function code (A, B, C, D), cylinder type and BHMA finish code: EXAMPLE: 84P-3A-RC-626

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AUXILIARY HARDWARE

KEYED REMOVABLE MULLIONS

The IDC 7000 Series Keyed Removeable Mullions are for use with the 5000 & 6000 Series Rim Exit devices on non-fire or fire rated pairs of doors. They are designed for faster and easy removalof the top bracket by a simple operation of the rim cylinder when a clear, unobstructed large opening is required. Once the mullion is removed, the cart, gurneys, large machine, forklift or furniture can freely pass through the opening. When the mullion is reinstalled, the unit will self lock in place without the use of the cylinder key.

Each keyed removable mullion set includes the top and bottom bracket set, mullion tube and shims.The rim cylinder is included. Mullion is fire rated and certified by UL.

NON-FIRE RATED KEYED REMOVABLE MULLION, MODEL 7100

For use with Panic-Rated Rim Exit Devices on non-fire rated pairs of doors

Specifications

Mullion Tube	2" (51mm) wide x 3" (76mm) deep, Wall thickness 1/8" (3mm) and 11 gauge steel tube
Mullion Size	• 7" (2134mm), 8' (2438mm) or 10' (3048mm) three (3) sizes. • Mullion may be field cut to fit proper size
Rim Cylinder	Use a 1-1/4" solid brass 6-pin rim cylinder, model 426, or interchangeable core, model 308 is sold separately
Top Bracket	• Steel, using key allows the mullion to be removed in seconds • Mullion can be locked in the top bracket easily without using the key
Bottom Bracket	Steel, fixed by (4) hex bolts with nonferrous anchors
Shims	1/2" (13mm) and 5/8" (16mm) shims included
Fasteners	Each Mullion includes: • 2 Flat head machine screws, #5/16-18 x 1-1/2", Stainless steel • 4 Flat head machine screws, #5/16-18 x 5/8", Stainless steel • 4 Flat head machine screws, #5/16-18 x 1-1/4", Stainless steel • 4 Expansion Anchors, 1/2" dia. x 1-1/2" long, steel
Strikes	Use two (2)standard Rim Strikes (801), not included
Finish	Gray baked powder coating only

FIRE-RATED KEYED REMOVABLE MULLION, MODEL 7200

For use with Fire-Rated Rim Exit Devices on fire-rated pairs of doors

Specifications

Mullion Tube	2" (51mm) wide x 3" (76mm) deep, Wall thickness 1/8" (3mm) and 11 gauge steel tube
Mullion Size	• 7" (2134mm), 8' (2438mm). • Mullion is fire rated and may be field cut to fit proper size
Rim Cylinder	Use a 1-1/4" solid brass 6-pin rim cylinder, model 426, or interchangeable core, model 308 is sold separately
Top Bracket	Stainless steel, the key allows the mullion to be removed in seconds and the mullion can be locked in the top bracket without using the key
Bottom Bracket	Stainless steel, fixed by (4) hex bolts with stainless steel anchors
Shims	1/2" (13mm) and 5/8" (16mm) shims included
Fasteners	Each Mullion includes: • 2 Flat head machine screws, #5/16-18 x 1-1/2", Stainless steel • 4 Flat head machine screws, #5/16-18 x 5/8", Stainless steel • 4 Flat head machine screws, #5/16-18 x 1-1/4", Stainless steel • 4 Expansion Anchors, 1/2" dia. x 1-1/2" long, steel
Strikes	Use (2) sets of Mullion Strikes (688) & Strike Hooks (689), sold separately
Finish	Gray baked powder coating only

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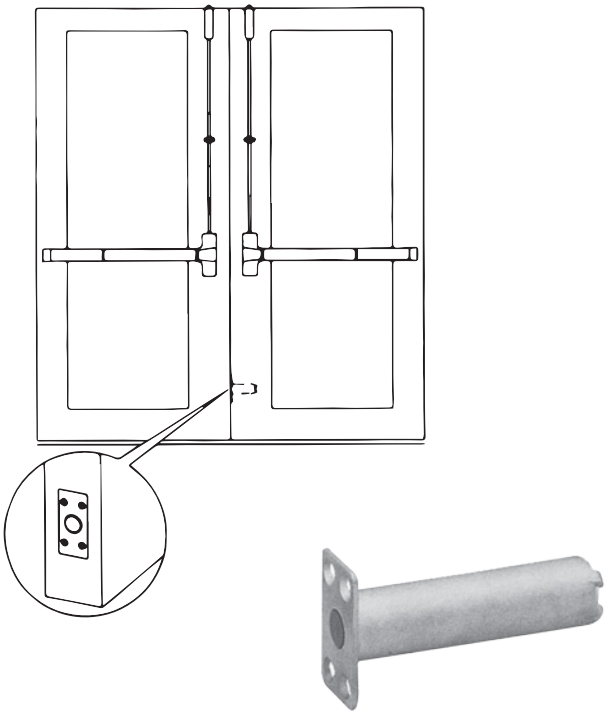
ACCESSORIES

FIRE LATCH BOLT, MODEL FLOOR

Fire latch bolt is used with a pair of UL listed fire rated LBR exit devices, it includes a spring and stainless steel bolt which installs in the lower door edge inside to replace the bottom vertical rods of two SVR exit devices on a double door. This UL listed fire latch bolt is a temperature-actuated bolt that is designed to release from one door leaf and engage the other door when the temperature exceeds the rating of the fusible link during a fire. When the fire latch bolt releases and connects with the opposite door leaf, it keeps the doors in alignment and closed during a fire.



Specifications

- UL listed, furnished with LBR device
- Faceplate: 1-25/32" x 1" (45mm x25.6
- Bolt diameter: 27/32" (21.6mm)
- Length of Latch Bolt: 3-5/32" (80mm)
- Materia: 100% stainless steel

DOGGING OPTIONS

Less Dogging (LD)

Less Dogging is available on all 5000 Series Panic Exit Devices when users want to remove the dogging option.

Cylinder Dogging (CD)

Cylinder Dogging is available on all 5000 Series Panic Exit Devices to replace the standard hex key dogging. Unit requires a standard 1-1/4" (32mm) mortise cylinder with a straight cam.

CYLINDER OPTIONS

Cylinders are not furnished with device or trim and must be specified when required. Refer to the trim pages for cylinder type.

	Mortise Cylinder	Rim Cylinder
Regular Type	526	426
Interchangeable Core Type	208	308

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NON-LATCHING SWITCH BAR

MSB550

MECHANICAL SWITCH BAR

Non-Latching Push Bar for

- Magnetic Lock Release
- Delayed Egress Trigger
- Access Control Request-to-Exit
- Alarm Shunt
- CCTV or Alarm Activation

Building codes essentially state that egress through access controlled doors must not require prior knowledge of operational requirements. Meeting this criteria, IDC's MSB550 is designed to release electromagnetic door locks for uninhibited egress. When slight pressure is applied a microswitch is actuated, immediately releasing the electromagnetic door lock.
The MSB5500 is an economical alternative to sensor activated bars.

Only 1/8" Total Bar Movement

The MSB550 has a maximum movement of only .125" (3.2 mm). Trigger activation to release the electromagnetic lock is quick and quiet.

Heavy Duty Construction

The MSB550 utilizes heavy-duty aluminum extrusion and rugged end caps. The mounting assembly is all metal. The rigid construction prevents any malfunction due to sagging or warped doors or tweaked-glass door stiles.

c UL us LISTED

Listed 4J82
Access Control Systems Unit
Burglary Resistant Electronic Locking Mechanism

CSFM Listed
Exit Door Accessories

UL Listed
Burglary Resistant

MADE IN THE USA

Narrow Low Profile

The MSB550 has a narrow profile with minimum projection from the door of only 1.875" (47 mm). The unobtrusive design is ideally suited for aesthetically superior glass openings.

Model

Standard Length for 36" Door
PT-2U Power Transfer included

MSB550V 628 Aluminum Anodized
MSB550Y 335 Black Anodized
MSB550C 605 Polished Brass
MSB550S 629 Polished Stainless Steel
MSB550U 630 Brushed Stainless Steel

Options

Contacts
2 Two SPDT 5 Amp Contacts

Bars for Wide Doors
42 For 42" (1,067 mm) wide doors
48 For 48" (1,219 mm) wide doors
Bars may be field cut

Options (Continued)

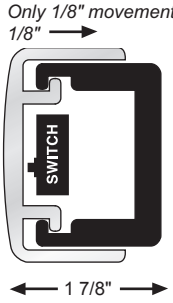
500GL Glass Mounting Kit for full glass and Herculite doors with stiles. Kit includes adhesive and (2) mounting blocks. (See reverse for details)

500SK Shim Kit used to raise bar from door surface. Recommended for wood or hollow metal doors.

How to Specify Options

Examples
MSB550V x 500GL
MSB550V-2
MSB550V48

Only 1/8" movement for quick, quiet operation



The smallest profile in the industry to provide ample clearance for egress and maintain superior aesthetics of high profile openings.

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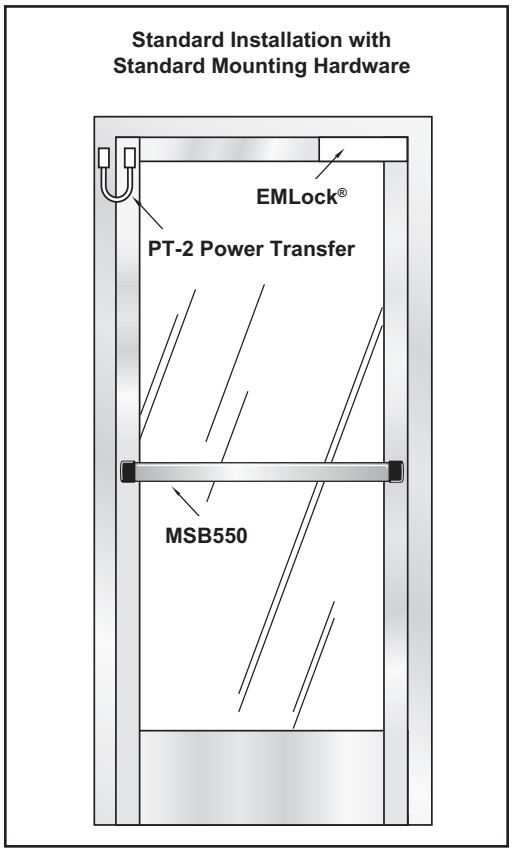

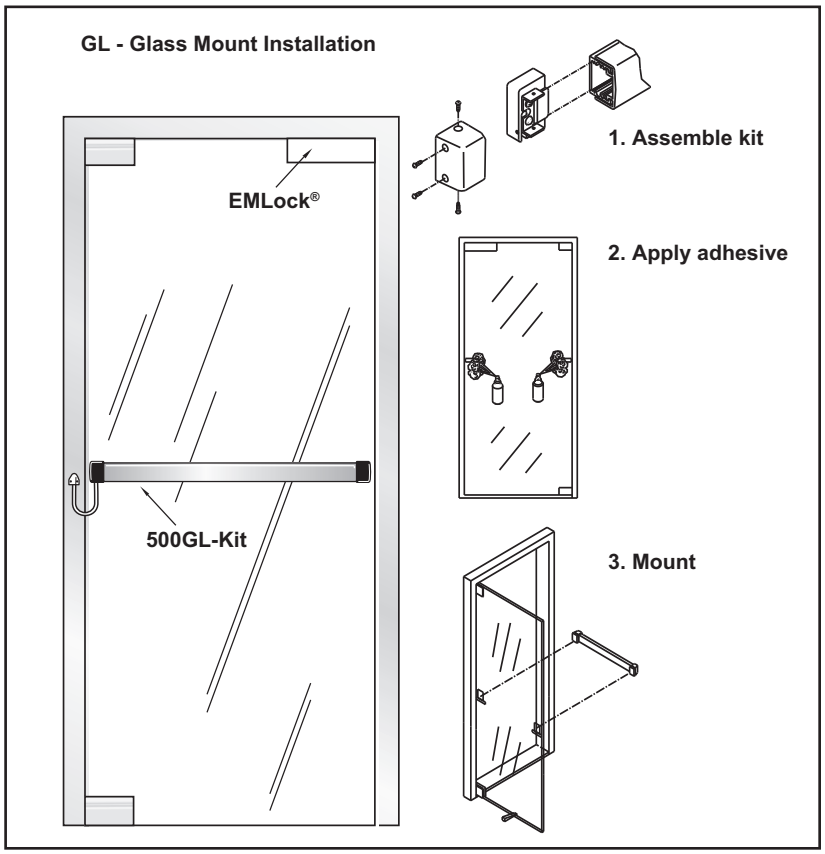

Electrical Specifications

Contacts
Standard: SPDT, 5 Amp @ 30VDC
Optional: Two, SPDT, 5 Amp @ 30VDC

Mechanical Specifications

Height: 2.375" (60.3 mm)
Projection (Depth): 1.875" (47.6 mm)
Door Width: 36" (914 mm) Standard
42" (1,067 mm)
48" (1,219 mm)
Bars may be field cut

Power Transfer Accessories

The stainless Steel Flex Conduit enables wiring from the door to the frame.

PT-2U Stainless Steel, included with bar
PT-3V Stainless Steel with surface aluminum wire junction

PT-2U

PT3

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NON-LATCHING PUSH BAR

SURE EXIT® PSB560 REX

PRESSURE SENSE BAR

Non-Latching Push Bar for

- *Magnetic Lock Release*
- *Access Control Request-to-Exit*
- *Delayed Egress Trigger*
- *Alarm Shunt*
- *CCTV or Alarm Activation*

Field installed sign
1"h Green Letters

Stable and Reliable Pressure Sense Technology
Building codes essentially state that egress through access controlled doors must not require prior knowledge of operational requirements. Meeting this criteria, IDC's patented PSB560 Sure Exit® Pressure Sense Bar is designed to release electromagnetic door locks for uninhibited egress. When slight pressure is applied to the non-latching bar, either of the two redundant solid state pressure sensors are actuated causing the electronics to immediately release the electromagnetic door locks.

Features

- **Tri-Failsafe.** A third redundant micro switch is automatically activated to release the door if both sensors or the electronics fail. This automatic emergency release switch does not require prior knowledge to find or use. Door operation will continue without the inconvenience of emergency service. The IDC Sure Exit® is the only tri-failsafe exit bar providing unequaled safety and reliability.
- **No Moving Parts, Quick and Quiet Operation.** With no moving parts the pressure sense technology does not suffer wear and provides quick and quiet operation.
- **Temperature Tolerant.** Pressure sense technology operates from 0˚ to 150˚F and tolerates sudden and extreme temperature changes.
- **Human Touch Not Required.** Unlike touch sensors, activation may be accomplished while wearing heavy gloves, by the hip through a coat, or using a briefcase. Superior egress safety is provided for frail, disabled or wheelchair confined persons unable to touch the bar and is easily activated by a cane or bump from a walker or wheelchair.
- **Sensor Calibration Not Required.** Stable pressure sense technology does not require adjustment or tune-in. When desired, pressure sensitivity can be increased up to 15 lbs to inhibit tampering for high security applications.
- **Heavy Duty Construction.** The IDC PSB560 uses heavy duty aluminum extrusion and rugged end caps. The mounting assembly is all metal, and no plastic. The rigid construction prevents any malfunction due to sagging or warped doors or tweaked glass door stiles.
- **Narrow, Low Profile.** The Sure Exit® has a narrow profile with minimum projection from the door of only 1.875" (47mm). The unobtrusive design is ideally suited for aesthetically superior glass openings.
- **Two Outputs.** Two dry contacts for lock release, request-to-exit, alarm shunt, alarm activation or CCTV activation.
- **Armored Power Loop.** 18" flex stainless conduit included. The PT-2 enables wiring from the door to the frame.
- **10Ft Cable.** 8 conductor cable included.
- **Easy Installation and Troubleshooting.** Wires plug into the PC board after the bar is mounted and the extruded cover slides on easily after the wire connections are made. For quick and easy servicing, the extruded cover slides off without removing the bar from the door exposing all internal parts.

c UL us LISTED
4J82
Access Control Systems Unit
Burglary Resistant Electronic Locking Mechanism

Protected by the following U.S. Patent:
5,969,440

CSFM Listed
Exit Door Accessories
3625-0324:105

Security Industry Finest

International Door Closers, Inc.
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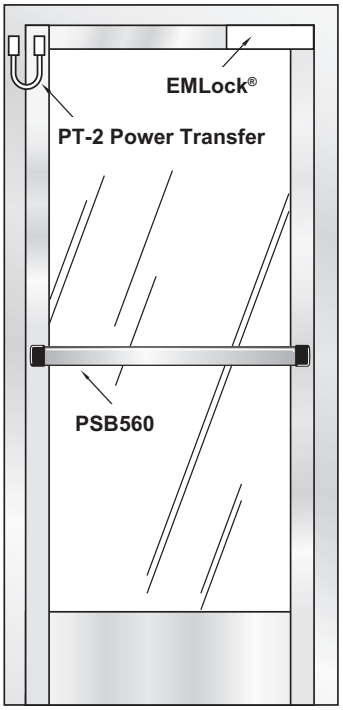
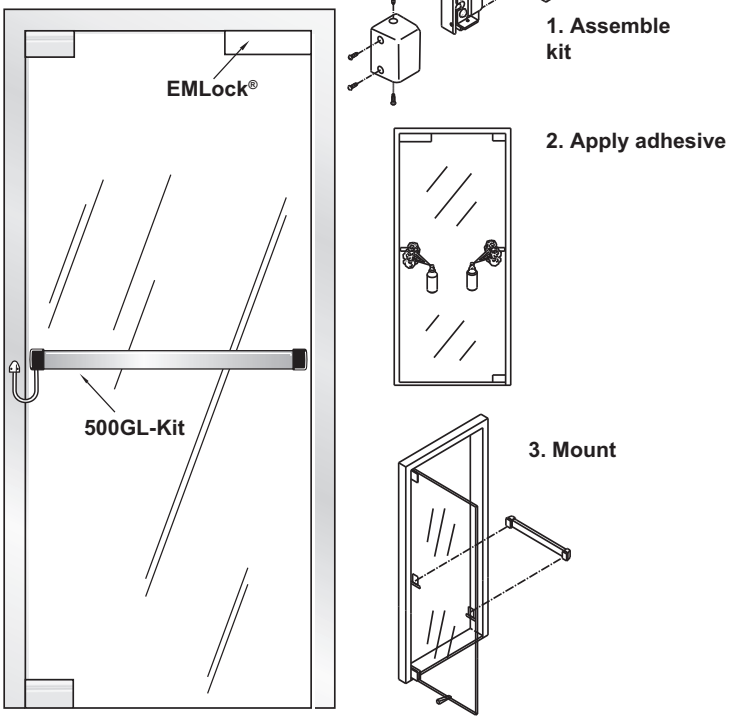
West: 800-544-4422 • East: 800-225-6737
www.intldoorclosers.com

Standard Installation with Standard Mounting Hardware



GL - Glass Mount Installation



Finish

V	628 Aluminum anodized (standard)
S	629 Bright stainless steel
U	630 Brushed stainless steel
C	605 Bright brass
Y	335 Black anodized

Option

500GL-KIT	Glass mounting kit for full glass and herculite doors with stiles. 2 mounting blocks and adhesive for 8 doors.
500GL-MB	Additional mounting blocks (2)
500-SK	Shim kit used to raise bar from door surface. Recommended for wood or hollow metal doors.
PT-3V	Power transfer loop with aluminum surface wire junction
42	For 42" (1,067mm) wide doors
48	For 48" (1,219mm) wide doors

Bars may be field cut

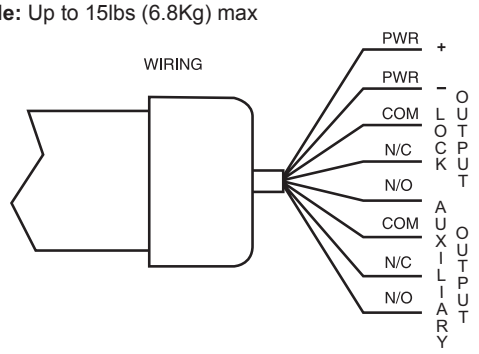
Specifications

Voltage Input:	12/24VDC Voltage sensing. No field adjustment
Current:	20mA at rest, 115 mA active
Output:	Two SPDT Dry contacts. 3 Amp @ 28VDC
Operating Temp:	0˚ to 150˚F (-18˚ to 65˚C)
Height:	2.375" (60.3mm)
Depth:	1.875" (47.6mm)
Width:	36" (914mm) Standard 42" (1,067mm) 48" (1,219mm) May be field cut to length

Activation Force

Factory Set: 5lbs (2.2Kg)

Field Adjustable: Up to 15lbs (6.8Kg) max



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QUIET DUO™ LR100 SERIES

700mA Dual Latch Retraction / Dogging Kit

Factory Installed Kits are UL Listed and Field Retrofit Kits are UL Classified

AVAILABLE FOR THESE BRANDS:

- IDC
- Von Duprin
- Yale
- Corbin Russwin
- Dor-O-Matic
- Hager
- Adams Rite
- Stanley K2
- TownSteel
- Arrow
- PHI
- Falcon
- Cal-Royal
- PDQ
- Falcon IR
- Marshall Best
- Sargent
- SDC
- Tell
- Detex
- Dorma
- Jackson

For use with 3Hr fire rated and non-fire rated mechanical exit devices.

Only 700mA inrush / 200mA continuous @ 24VDC provides simultaneous latch retraction, dogging with pushpad depression unless specified otherwise.

APPLICATION

The IDC LR100 Series Electric Latch Retraction Kit enables electric access control and dogging of mechanical exit devices. When energized the motor retracts the exit device latch and pulls the pushpad into the dogged (depressed) position enabling momentary or sustained push and pull operation of the door.

The latch retraction mechanism may be activated by an access control, remote control device or building automation system. The exit device always provides uninhibited egress.

Field Installed Retrofit Kit

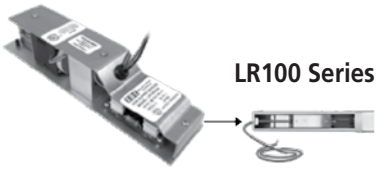
- UL Classified for use with 3hr fire rated & non-fire rated exit devices

IDC Factory Installed Kit

- UL Listed for use with 3hr fire rated & non-fire rated exit devices
- Distributor sends exit device to IDC for kit installation

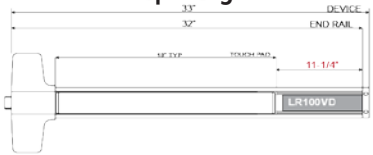
FEATURES

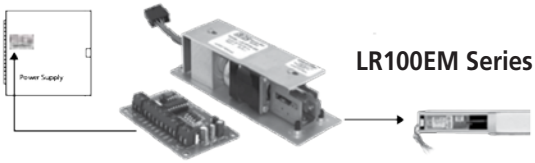
- 700 mA Inrush, 200 mA Continuous @ 24VDC
- For access control and sustained dogging applications
- Simultaneous latch retraction and dogging (pushpad depressed) for most exit devices*
- Pushpad is depressed* electrically for quieter push / pull operation
- Automatic re-trigger if device does not pull on first try * on designated models
- Eliminates need for costly replacement of existing exit device
- Significantly less labor and costs compared to competitive retrofit kits
- Low current enables longer wire runs with smaller gauge wire
- No door sequencers required for pairs of manual doors
- Installs in Von Duprin non-fire rated panic device without removing from the door



LR100 Series

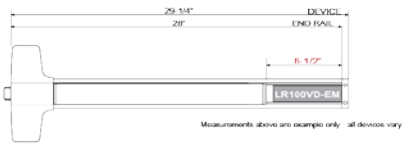
Standard Opening Width 36"





LR100EM Series

32" Opening (36" Device Modified for 32" Opening)



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ORDERING INFORMATION

IDC (INTERNATIONAL DOOR CLOSERS) 8000 SERIES EXIT DEVICES		
Electric Latch Retraction / Dogging Device		
Opening	Field Retrofit Kit	Factory Installed
36"-48"	LR100IDCK	LR100IDC
30"	LR100IDCKEM	LR100IDCEM
Options		
LRIDC1L	Latch Status Kit	
LRIDC1R	Pushpad/Dogging Status or REXStatus Kit	

Models		
Standard		Narrow Line
8610 / 8810	Rim Mount	8510 / 8710
8630 / 8830	Surface Vertical Rod	8530 / 8730
8620 / 8820	Mortise	
8650 / 8850	Concealed Vertical Rod	8550 / 8750

VON DUPRIN 22 SERIES EXIT DEVICES		
Length	Field Retrofit Kit	Factory Installed
36"- 48"	LR100VDK-22	LR100VD-22
30"	LR100VDK-22-EM	LR100VD-22-EM
Models		
22	Rim Mount	
2227	Surface Vertical Rod	
Options		
LRVD1L	Latch Status Kit for 22 Series	
LRVD2R	REX Status or Pushpad/Dogging Status for 22 Series	

YALE 7000 SERIES EXIT DEVICES		
Length	Field Retrofit Kit	Factory Installed
36"	LR100YDK	LR100YD
30"	LR100YDK-EM	LR100YD-EM
42"- 48"	LR100YDK-42/48	LR100YD-42/48
Models		
7100, 7102, 7200	Rim Mount	
7110, 7210	Surface Vertical Rod	
7120, 7220	Concealed Vertical Rod	
Options		
LRY1L	Latch Status Kit	
LRY1R	REX Status Kit	

VON DUPRIN 98/99 AND 33/35 SERIES EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36"- 48"	LR100VDK	LR100VD
30"	LR100VDK-EM	LR100VD-EM
Models		
98/99	33A / 35A	Rim Mount
9827/9927	3327A / 3527A	Surface Vertical Rod
9847/9947	3347A / 3547A	Concealed Vertical Rod
9875/9975		Mortise
9857/9957		Three Point latching

CORBIN RUSSWIN • ED SERIES EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36"	LR100CRK	LR100CR
30"	LR100CRK-EM	LR100CR-EM
42"- 48"	LR100CRK 42/48	LR100CR 42/48
Options		
LRCR1L	Latch Status Kit	
LRCR1R	REX Status Kit	
Models		
ED5200 / ED4200	Rim Mount	
ED5400	Surface Vertical Rod	
ED4800 / ED4800	Concealed Vertical Rod	

DORMA EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36"	LR100DAK	LR100DA
Models		
9300 / F9300	Rim Mount	
9400 / F9400	Surface Vertical Rod	

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HAGER 4500 SERIES EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36"- 48"	LR100HK	LR100H
30"	LR100HK-EM	LR100H-EM
Models		
4501 - Rim	Rim Mount	
4501 - SVR	Surface Vertical Rod	
Options		
LRH1L	Latch Status Kit	
LRH1R	Pushpad/Dogging Status or REX Status Kit	

ADAMS RITE EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36"-48"	LR100ARK	LR100AR
30"	LR100ARK-EM	LR100AR-EM
Models		
8700** / 8800 / 3700	Rim Mount	
8100 / 8200 / 3100	Surface Vertical Rod	
8500 / 8600 / 3600	Concealed Vertical Rod	
Options		
LRARIR	REX Status Kit	

STANLEY K2 QED SERIES EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36"- 48"	LR100K2K	LR100K2
30"	LR100K2K-EM	LR100K2-EM
Models		
QED111	Rim Mount	
QED114	Surface Vertical Rod	
QED124	Concealed Vertical Rod	
Options		
LRK2R	Latch Status and REX Status or Pushpad/ Dogging Status Kit	

ARROW 1000 SERIES EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36" - 48"	LR100AWK	LR100AW
Models		
S1250	Rim Mount	
S1150	Surface Vertical Rod	
Opening	Field Retrofit Kit	Factory Installed
36"	LR100AWK-ED910	LR100AW-ED910
Models		
S1250	Rim Mount	

TOWNSTEEL ED1100 SERIES EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36"- 48"	LR100TSK	LR100TS
30"	LR100TSKEM	LR100TSEM
Models		
ED1100	Rim Mount	
ED1200	Surface Vertical Rod	
ED1300	Concealed Vertical Rod	
Options		
LRTS1R	REX Status or Pushpad/Dogging Status Kit	
Opening	Field Retrofit Kit	Factory Installed
36"	LR100TSK-55/56	LR100TS-55/56
Models		
ED5500	Rim Mount	
ED5600	Surface Vertical Rod	
Options		
LRTS2R	REX Status or Pushpad/Dogging Status Kit FOR ED5500	
Opening	Field Retrofit Kit	Factory Installed
36"	LR100TSK-65/67	R100TS-65/67
Models		
ED6500	Rim Mount	
ED6700	Surface Vertical Rod	

PHI (PRECISION HARDWARE) EXIT DEVICES		
Length	Field Retrofit Kit	Factory Installed
36"	LR100PDK	LR100PD
Models		
2100 / 2400	Rim Mount	
2200 LBR	Surface Vertical Rod	
2800 LBR / 2600	Concealed Vertical Rod	
5100	Rim Mount	
5200 LBR	Surface Vertical Rod	
Options		
LRP1L	Latch Status Kit for PHI Rim 2000 Series	
LRP2L	Latch Status Kit for PHI Vertical Rod 2000 Series	
LRP1R	REX Status or Pushpad/Dogging Status for PHI 2000 Series	

TELL MFG. EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36"	LR100TEK	LR100TE
Models		
9500	Rim Mount	
9400	Surface Vertical Rod	

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FALCON DOR-O-MATIC EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36”	LR100FAK	LR100FA
30”	LR100FAK-EM	LR100FA-EM
Models		
1790	Rim Mount	
1690	Concealed Vertical Rod	
Opening	Field Retrofit Kit	Factory Installed
36”	LR100DMK	LR100DM
Models		
1590	Rim Mount	
1490	Concealed Vertical Rod	

CAL-ROYAL EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36”	LR100CAK	LR100CA
Models		
7700 / F7700	Rim Mount	
7760 / F7760	Surface Vertical Rod	
Opening	Field Retrofit Kit	Factory Installed
36”	LR100CAK-9800	LR100CA-9800
Models		
GLS9800	Rim Mount	
GLSCVR9800	Concealed Vertical Rod	
Opening	Field Retrofit Kit	Factory Installed
30”	LR100CAK-EM	LR100CA-EM
Models		
2200 / F2200 / 9800 / F9800	Rim Mount	
2260 / F2260 / 9860 / F9860	Surface Vertical Rod	

SDC 6000 SERIES EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36”- 48”	LR100SDCK	LR100SDC
30”	LR100SDCKEM	LR100ISDEM
Models		
S6100	Rim Mount	
S6200	Surface Vertical Rod	
S6300	Mortise	
S6800	Concealed Vertical Rod	
Options		
LRSDC1L	Latch Status Kit	
LRSDC1R	Pushpad/Dogging Status or REXStatus Kit	

FALCON 24/25 SERIES EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36”	LR100FRK	LR100FR
Models		
25-R / F-25-R 24-R / F-24-R	Rim Mount	
25-V / F-25-V 24-V / F-24-V	Surface Vertical Rod	
25-C / F-25-C 24-C / F-24-C	Concealed Vertical Rod	

MARSHALL BEST EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36”	LR100MBSK	LR100MBS
30”	LR100MBSK-EM	LR100MBS-EM
Models		
Q1100/QF1100	Rim Mount	
Q1200/QF1200	Surface Vertical Rod	

PDQ EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36”- 48”	LR100PDQK	LR100PDQ
Models		
6200R	Rim Mount	
6200V	Surface Vertical Rod	

TELL EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36”	LR100TEK	LR100TE
Models		
9500	Rim Mount	
9400	Surface Vertical Rod	

JACKSON 2000 SERIES EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36”	LR100JAK	LR100FR
Models		
2095	Rim Mount	
2085	Concealed Vertical Rod (top latch)	
2086	Concealed Vertical Rod (top bolt)	

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ACCESSORIES

602RF	1 Amp Power Supply, UL Listed 294, for 1 or 2 exit devices
632RF	2 Amp Power Supply, UL Listed 294 for 3 or 4 exit devices
EMC	2 Station Automatic Door Sequence; Each EMC provides interface and sequencing for two single or one double automatic door.
PTH-4Q	4-wire Electric Hinge, 1 Amp max. UL 10B
PTH-4QDPS	4-wire, Electric Hinge 1 Amp max. UL 10B. With concealed Door Status Contact
PTH-2+4Q	6-wire Electric Hinge 1-pair 16 Amp inrush, 4 Amp continuous; 2-pair 1 Amp @ 12/24V
PTH-10Q	Ten (10) Conductor Power Transfer Hinge, 1 Amp @ 12/24V per pair
PT-5	Concealed mortise power transfer device, UL 10B Fire Door Accessory
PT-3V	Stainless steel door loop with surface wire junction
PTM-2AL	Two (2) Conductor Power Transfer Device: Two (2) 18 Ga. wires 5 Amp @ 12/24V AC/DC, Aluminum Powder Coat, US28 equivalent
PTM-2BZ	Two (2) Conductor Power Transfer Device: Two (2) 18 Ga. wires 5 Amp @ 12/24V AC/DC, Dark Brown Powder Coat, US10B equivalent
PTM-10AL	Ten (10) Conductor Power Transfer Device: Ten (10) 24 Ga. wire 1 Amp @ 12/24V AC/DC, Aluminum Powder Coat, US28 equivalent
PTM-10BZ	Ten (10) Conductor Power Transfer Device: Ten (10) 24 Ga. wire 1 Amp @ 12/24V AC/DC, Dark Brown Powder Coat, US10B equivalent
400U-L2	Two LEDs. Specify lens color. Standard Finish, on 1 Gang plate
400NU-L2	Two LEDs. Specify lens color. Standard Finish, on narrow plate

DETEX EXIT DEVICE		
Opening	Field Retrofit Kit	Factory Installed
36”	LR100DXK	LR100DX
Models		
10 / 40 Series	Rim Mount	
20 / 50 Series	Surface Vertical Rod	
80 / 81 / 62 / 63 Series	Concealed Vertical Rod	
Options		
LRDX1R	REX Status Status Kit	

SARGENT EXIT DEVICES		
Length	Field Retrofit Kit	Factory Installed
36”- 48”	LR100SGK	LR100SG
30”	LR100SGK-EM	LR100SG-EM
Models		
8500 / 8800	Rim Mount	
8700	Surface Vertical Rod	
8400 / 8600	Concealed Vertical Rod	
8300 / 8900	Mortise	
Options		
LRSG2R	Latch Status and REX Status or Pushpad/Dogging Status Kit	

MARKS EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36”	LR100MDK	LR100MD
Models		
M9900	Rim Mount	
M9900VR	Surface Vertical Rod	

PAMEX EXIT DEVICES		
Opening	Field Retrofit Kit	Factory Installed
36”- 48”	LR100PAK	LR100PA
30”	LR100PAK-EM	LR100PA-EM
Models		
EF9000	Rim Mount	
EF9000V	Surface Vertical Rod	
EF9020V	Concealed Vertical Rod	

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GRADE 2 CYLINDRICAL LOCKS

3000 SERIES

NON-CLUTCHED

3000L
(lever)

3000K
(knob)

FEATURES

- **Non-clutched mechanism**
- **3000L** (Lever)
- **3000K** (Knob)
- Heavy duty lever spring return rose assembly
- Bidirectional lever operation, non-handed
- Solid brass latch bolt
- Solid brass Schlage c pin keyway cylinder
- Meets Fire Code (California State Reference Code)
- UL and CUL Listed
- Five year warranty

Grade 2 Cylindrical Locks

IDC 3000L locksets meet ADA requirments. Our 3000L and 3000K medium duty key-in locksets are designed to exceed the ANSI/BHMA A156.2 Grade 2 requirments.

SPECIFICATION

Application	For offices, schools, hospitals, apartments, hotels, motels and other public buildings
For Doors	$1\frac{3}{8}$" to $1\frac{3}{4}$" (35mm to 45mm)
Backset	$2\frac{3}{8}$"(60mm) or $2\frac{3}{4}$" (70mm) standard
Front	Brass, Bronze: $2\frac{1}{4}$" X 1" standard. $2\frac{1}{4}$" X $1\frac{1}{8}$" optional Adjustable for Flat or Beveled doors $\frac{1}{8}$" in 2"
Strike	**ST1** ANSI 1-1/4" x 4-7/8" (Standard)
Roses	Brass or Bronze
Hand	Universal, non-handed
Latch bolt	Brass. $\frac{1}{2}$" Latch bolt standard. Stainless steel, $\frac{1}{2}$"Latch bolt optional
Keys	Two Brass
Cylinder	Brass Schlage C pin keyway standard Weiser. Arrow. Lockwood C 4. Kwikset optional
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction key system available
Non-clutched	Non-clutched mechanism, free Wheeling not available.
Interchangable Core	Interchangeable core will accept compatible 6 or 7 pin cores with BEST or SARGENT
Finishes (US Code)	3, 4, 5A, 10, IOB, 11, I5, 15A, 19, 26, 26D
Split Finishes	Outside finish specified first. Front & Strike finished to match inside trim unless otherwise specified
UL/CUL	Listed for use on fire doors (3 Hour Rated)

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GRADE 2 CYLINDRICAL LOCKS

3000 SERIES

NON-CLUTCHED

3000L
(lever)

3000K
(knob)

FUNCTION	TRIM	IDC	ANSI	DESCRIPTION
	LEVER	10	F75	Passage or Closet Latch - Latch bolt operated by lever, from either side at all times
	LEVER	40	F76	Privacy, Bedroom or Bath Lock – Latch bolt operated by lever from either side. Outside lever is locked by push button unlocked by emergency release outside, operating inside lever or closing door.
	LEVER	53	F82	Entry Lock - Dead locking latch bolt operated by lever from either side except when outside lever is locked by push or turn button. When outside lever is locked, operating key in outside lever or operating inside lever unlocks push button and retracts latch bolt. Closing door does not release push button.
	LEVER	70	F84	Classroom Lock - Dead locking latch bolt operated by lever from either side except when outside lever is locked from outside by key. When outside lever is locked latch bolt is operated by inside lever.
	LEVER	80	F86	Storeroom or Closet Lock – Dead locking latch bolt operated by key in outside lever, or by operating inside lever. Outside lever is always inoperable.
	LEVER	25	F111	Exit or Communicating Passage Lock – Dead locking latch bolt operated by lever one side only at all times. Non removable blank trim or no trim outside.
	LEVER	170		Dummy Trim 1 Side - Used as door pull or as matching inactive trim
	KNOB	53	F109	Entrance – Pushing turn-button in inside knob locks outside knob. Turning inside knob or operating key in outside knob releases button automatically. Closing door does not release button. Button is fixed in the locked position by turning to horizontal position.
	KNOB	80	F91	Double Cylinder - Deadlocking knob operated by either side. Key either locks or unlocks both sides.
	KNOB	170	F111	Exit Non-Key – Blank knob plate outside. Inside knob always unlocked.

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GRADE 2 CYLINDRICAL LOCKS

3000 SERIES

NON-CLUTCHED

3000L
(lever)

3000K
(knob)

IDC Function

10 Passage
40 Privacy, Bedroom or Bath Lock
53 Entrance Lock
70 Classroom Lock
80 Storeroom
25 Communicating Passage Lock
170 Dummy Trim, 1 Side, Eclipse

How to Specify

Lever Trim

Mechanical Locksets

R Type

L Type (standard)

Knob

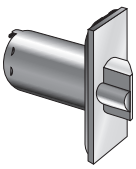
R-IC Type

L-IC Type

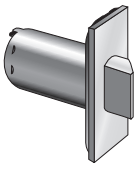
Finish

Q 626 Dull Chrome (std)
C 605 Bright Brass
F 611 Bright Bronze
P 625 Bright Chrome
H 613 Oil Rubbed Bronze
D 606 Dull Brass
G 612 Dull Bronze

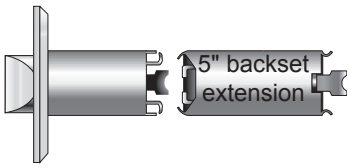
Latch bolt



Deadlatch



Springlatch



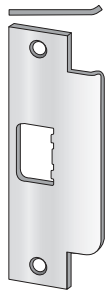
B1 2-3/4" dead latch (standard)
B2 2-3/8" dead latch

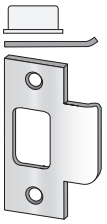
B3 2-3/4" spring latch, passage (standard)
B4 2-3/8" spring latch, passage

B5 2-3/4" spring latch, privacy (standard)
B6 2-3/8" spring latch, privacy

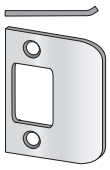
BE 5" backset extension, for use with 2-3/4" latch only

Strike





ST2



ST3

ST4

ST1 ANSI 1-1/4" x 4-7/8" (Standard)
ST2 T-Strike with dust box, ANSI 1-1/8" x 2-3/4"
ST3 Full lip strike, 1-5/8" x 2-1/4"
ST4 Full lip strike with round corners, 1-5/8" x 2-1/4"

Cylinder or I-Cores

IDC Conventional Cylinders (Schlage 'C' Keyway Standard)
For RIC or LIC Type
6PKA 6 PIN Keyed alike
6PKD 6 PIN Keyed different (standard)

IC

IDC Interchangeable Core (Best 'A' Keyway Standard)
For RIC or LIC Type
IC6P-KA 6 pin I-Core, small format, keyed alike
IC6P-KD 6 pin I-Core, small format, keyed different
IC7P-KD 7 pin I-Core, small format, keyed different
IC7P-KA 7 pin I-Core, small format, keyed alike

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GRADE 2 CYLINDRICAL LOCKS

4000L SERIES

CLUTCHED LOCKSETS

FEATURES

- Heavy duty lever spring return rose assembly
- Bidirectional lever operation, non-handed
- Convertible posts
- Available with Free Wheeling Mechanism
- Solid brass latch bolt
- Solid brass Schlage c pin keyway cylinder
- Meets Fire Code (California State Reference Code)
- UL and CUL Listed
- Five year warranty

Grade 2 Cylindrical Locks

IDC 4000L locksets meet ADA requirements, medium duty key-in-lever lockset designed to exceed the requirements of ANSI A156.2 Series 4000 and Grade 2.

SPECIFICATION

Application	For offices, schools, hospitals, apartments, hotels, motels and other public buildings
For Doors	$1\frac{3}{8}$" to $1\frac{3}{4}$" (35mm to 45mm)
Backset	$2\frac{3}{8}$"(60mm) or $2\frac{3}{4}$" (70mm) standard
Front	Brass, Bronze: $2\frac{1}{4}$" X 1" standard. $2\frac{1}{4}$" X $1\frac{1}{8}$" optional Adjustable for Flat or Beveled doors $\frac{1}{8}$" in 2"
Strike	**ST1** ANSI 1-1/4" x 4-7/8" (Standard)
Roses	Brass or Bronze
Hand	Universal, non-handed
Latch bolt	Brass. $\frac{1}{2}$" Latch bolt standard. Stainless steel, $\frac{1}{2}$"Latch bolt optional
Keys	Two Brass
Cylinder	Brass Schlage C pin keyway standard Weiser, Arrow. Lockwood C 4. Kwikset optional
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction key system available
Free Wheeling Mechanism	Free Wheeling available on all keyed locks and Privacy function on request
Interchangable Core	Interchangeable core will accept compatible 6 or 7 pin cores with BEST or SARGENT
Finishes (US Code)	3, 4, 5A, 10, IOB, 11, I5, 15A, 19, 26, 26D
Split Finishes	Outside finish specified first. Front & Strike finished to match inside trim unless otherwise specified
UL/CUL	Listed for use on fire doors (3 Hour Rated)

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GRADE 2 CYLINDRICAL LOCKS

4000L SERIES

CLUTCHED LOCKSETS

FUNCTION	IDC	ANSI	DESCRIPTION
	10	F75	Passage or Closet Latch - Latch bolt operated by lever, from either side at all times
	40	F76	Privacy, Bedroom or Bath Lock – Latch bolt operated by lever from either side. Outside lever is locked by push button unlocked by emergency release outside, operating inside lever or closing door.
	53	F82	Entry Lock - Dead locking latch bolt operated by lever from either side except when outside lever is locked by push or turn button. When outside lever is locked, operating key in outside lever or operating inside lever unlocks push button and retracts latch bolt. Closing door does not release push button.
	70	F84	Classroom Lock - Dead locking latch bolt operated by lever from either side except when outside lever is locked from outside by key. When outside lever is locked latch bolt is operated by inside lever.
	80	F86	Storeroom or Closet Lock – Dead locking latch bolt operated by key in outside lever, or by operating inside lever. Outside lever is always inoperable.
	25	F111	Exit or Communicating Passage Lock – Dead locking latch bolt operated by lever one side only at all times. Non removable blank trim or no trim outside.
	170		Dummy Trim 1 Side - Used as door pull or as matching inactive trim

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GRADE 2 CYLINDRICAL LOCKS

4000L SERIES

CLUTCHED LOCKSETS

IDC Function

10 Passage
40 Privacy, Bedroom or Bath Lock
53 Entrance Lock
70 Classroom Lock
80 Storeroom
25 Communicating Passage Lock
170 Dummy Trim, 1 Side, Eclipse

Lever Trim

Mechanical Locksets

R Type

L Type (standard)

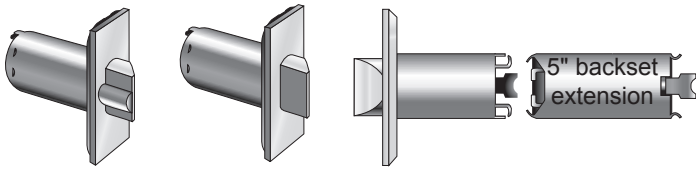
R-IC Type

L-IC Type

Finish

Q 626 Dull Chrome (std)
C 605 Bright Brass
F 611 Bright Bronze
P 625 Bright Chrome
H 613 Oil Rubbed Bronze
D 606 Dull Brass
G 612 Dull Bronze

Latch bolt



Deadlatch Springlatch

B1 2-3/4" dead latch (standard)
B2 2-3/8" dead latch

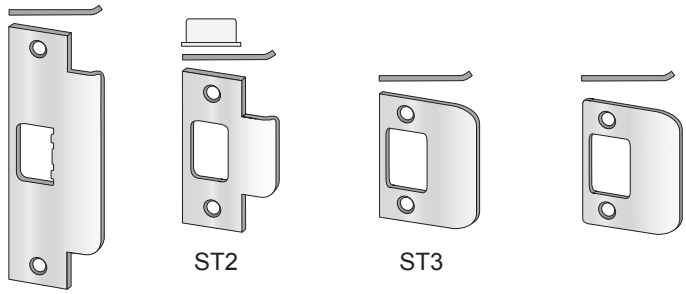
B3 2-3/4" spring latch, passage (standard)
B4 2-3/8" spring latch, passage

B5 2-3/4" spring latch, privacy (standard)
B6 2-3/8" spring latch, privacy

BE 5" backset extension, for use with 2-3/4" latch only

How to Specify

Strike



ST1 ANSI 1-1/4" x 4-7/8" (Standard)
ST2 T-Strike with dust box, ANSI 1-1/8" x 2-3/4"
ST3 Full lip strike, 1-5/8" x 2-1/4"
ST4 Full lip strike with round corners, 1-5/8" x 2-1/4"

Cylinder or I-Cores

IDC Conventional Cylinders (Schlage 'C' Keyway Standard)
For RIC or LIC Type
6PKA 6 PIN Keyed alike
6PKD 6 PIN Keyed different (standard)

IC

IDC Interchangeable Core (Best 'A' Keyway Standard)
For RIC or LIC Type
IC6P-KA 6 pin I-Core, small format, keyed alike
IC6P-KD 6 pin I-Core, small format, keyed different
IC7P-KD 7 pin I-Core, small format, keyed different
IC7P-KA 7 pin I-Core, small format, keyed alike

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GRADE 1 CYLINDRICAL LOCKS

5000L SERIES

CYLINDRICAL LOCKSETS

Grade 1 Cylindrical Locks

IDC locksets are designed for commercial, industrial and institutional use, where dependable operation and longevity is required along with high resistance to vandalism and abuse. Applications include office buildings, government centers, factories, schools and hospitals and more.

Internal clutch provides vandal resistance by permitting lever rotation without retracting latch when locked.

Independent heavy duty springs provide effective lever return and support.

Design & Performance Features

Design
Strong stable design with anti-twisting capacity, dependable operation and longevity

Clutch
Internal clutch provides vandal resistance by permitting lever rotation without retracting latch when locked.

Handing
All M7200 series locksets are non-handed

Backset
2-3/4" backset standard. 2-3/8" (60mm) backset or 5" (127mm) backset extension optional

Faceplate
Brass, bronze or stainless steel. 1-1/8" x 2-1/4" (29mm x 57mm) square corner, beveled.

Chassis
Heavy gauge steel chassis, corrosion resistant zinc dichromate

Latch bolt and Roller Retractor
Stainless Steel, (13.7lbs) throw, deadlocking on keyed and exterior functions. The retractor is equipped with a roller to enhance reliability and long life.

Levers
Durable cast zinc based levers

Rose
Brass or stainless steel, 3-9/16" (90mm) diameter rose

Independent Lever Springs
A durable torsion spring on each side provides positive lever return and prevents lever sagging

Strike
ANSI curved lip strike, 1 ¼" x 4 7/8" x 1-3/8" lip to center standard

Door Thickness, field adjustable
Field adjustable for 1-3/8" - 1-3/4" (35mm - 45mm) thick door

Through Bolt Mounted
Trim assembly is through bolt mounted for superior strength.

Cylinders and Keys
6 pin type keyway with 2 brass keys standard.

Small Format Interchangeable Cores
Interchangeable Core will accept compatible 6 or 7 pin cores with BEST.

Certifications

ANSI / BHMA
ANSI/BHMA A156.2 Grade 1 strength and operational requirements

ANSI A250.13 severe windstorm compliant

UL US LISTED

UL Listed for 3 Hr 'A' label or lesser fire rated single doors, 4' x 8'
UL10C/UBC-2 positive pressure compliant
UL10B neutral pressure compliant

ADA
ADA/ANSI A117.1 accessibility code compliant

California State Reference Code (CSFM)
All levers, G and E, with less than ½" (13mm) return comply with California Fire Safety Codes (Formerly Title 19, California State Fire Marshal)

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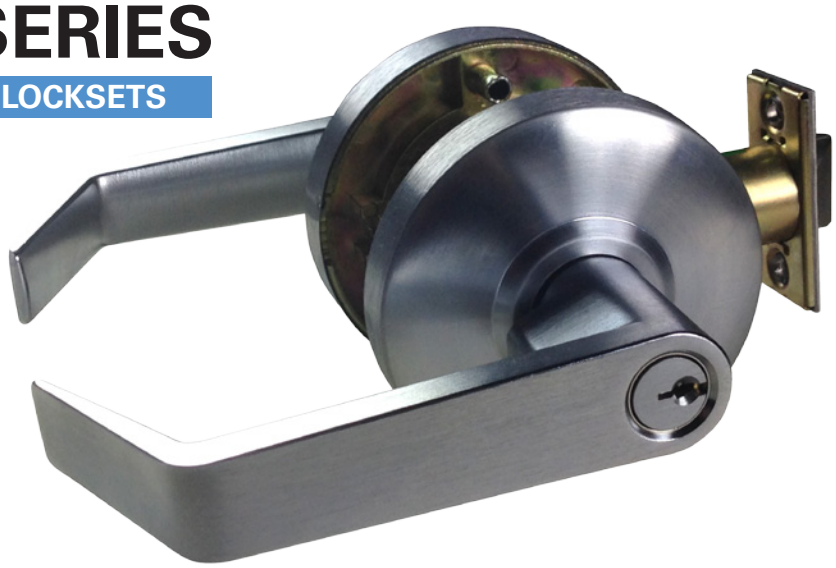
GRADE 1 CYLINDRICAL LOCKS

5000L SERIES

CYLINDRICAL LOCKSETS



FUNCTION	IDC	ANSI	DESCRIPTION
	10	F75	Passage or Closet Latch - Latch bolt operated by lever, from either side at all times
	40	F76	Privacy, Bedroom or Bath Lock – Latch bolt operated by lever from either side. Outside lever is locked by push button unlocked by emergency release outside, operating inside lever or closing door.
	53	F82	Entry Lock - Dead locking latch bolt operated by lever from either side except when outside lever is locked by push or turn button. When outside lever is locked, operating key in outside lever or operating inside lever unlocks push button and retracts latch bolt. Closing door does not release push button.
	70	F84	Classroom Lock - Dead locking latch bolt operated by lever from either side except when outside lever is locked from outside by key. When outside lever is locked latch bolt is operated by inside lever.
	80	F86	Storeroom or Closet Lock – Dead locking latch bolt operated by key in outside lever, or by operating inside lever. Outside lever is always inoperable.
	25	F111	Exit or Communicating Passage Lock – Dead locking latch bolt operated by lever one side only at all times. Non removable blank trim or no trim outside.
	170		Dummy Trim 1 Side - Used as door pull or as matching inactive trim

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GRADE 1 CYLINDRICAL LOCKS

5000L SERIES

CYLINDRICAL LOCKSETS

IDC Function

10 Passage
40 Privacy, Bedroom or Bath Lock
53 Entrance Lock
70 Classroom Lock
80 Storeroom
25 Communicating Passage Lock
170 Dummy Trim, 1 Side, Eclipse

Mechanical Locksets

Lever Trim

R Type

L Type (standard)

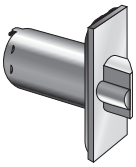
R-IC Type

L-IC Type

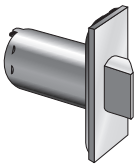
Finish

626 Dull Chrome (std)
605 Bright Brass
611 Bright Bronze
625 Bright Chrome
613 Oil Rubbed Bronze
606 Dull Brass
612 Dull Bronze

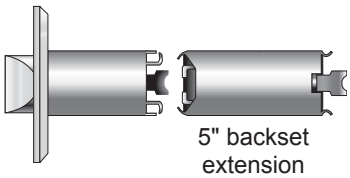
Latch bolt



Deadlatch



Springlatch



5" backset extension

B1 2-3/4" dead latch (standard)
B2 2-3/8" dead latch

B3 2-3/4" spring latch, passage (standard)
B4 2-3/8" spring latch, passage

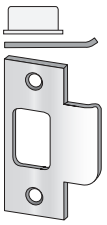
B5 2-3/4" spring latch, privacy (standard)
B6 2-3/8" spring latch, privacy

BE 5" backset extension, for use with 2-3/4" latch only

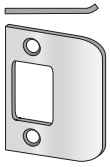
How to Specify

Strike

ST1



ST2



ST3

ST4

ST1 ANSI 1-1/4" x 4-7/8" (Standard)
ST2 T-Strike with dust box, ANSI 1-1/8" x 2-3/4"
ST3 Full lip strike, 1-5/8" x 2-1/4"
ST4 Full lip strike with round corners, 1-5/8" x 2-1/4"

Cylinder or I-Cores

IDC Conventional Cylinders (Schlage 'C' Keyway Standard)
For R-IC or L-IC Type
6PKA 6 PIN Keyed alike
6PKD 6 PIN Keyed different (standard)

IC

IDC Interchangeable Core (Best 'A' Keyway Standard)
For RIC or LIC Type
IC6P-KA 6 pin I-Core, small format, keyed alike
IC6P-KD 6 pin I-Core, small format, keyed different
IC7P-KD 7 pin I-Core, small format, keyed different
IC7P-KA 7 pin I-Core, small format, keyed alike

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DEADBOLTS

HEAVY-DUTY DEADBOLTS

077700 SERIES • ANSI GRADE 1

A Heavy Duty commercial quality deadbolt that provides a maximum deterrent to forced entry. The cylinder recesses into the door to resist blows attempting to move the lock.

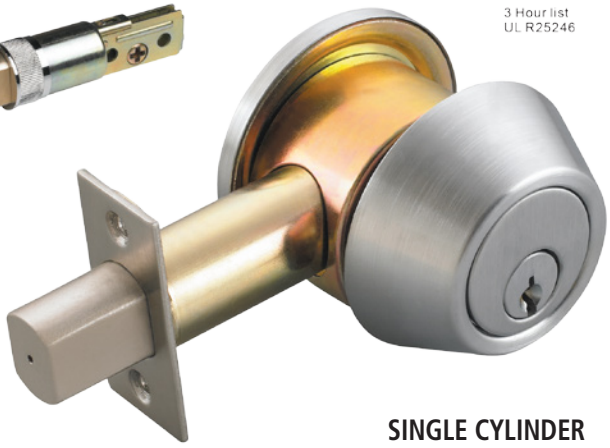
- 2-1/2" dia solid steel one-piece design security ring insert. exceeds ANSI Grade 1 security against hammer and crowbar prying attacks.
- 1" (25mm) deadbolt with hardened steel core exceeds ANSI Grade 1 Security against kick-in and saw attacks.
- High precision pick resistant solid brass 6 pin tumbler plug "C". Brass key Meets ANSI Grade 1 Security to prevent key cylinder from being knocked out.
- Drive in deadbolt - Designed to be installed on metal door conveniently. Only one hole is needed on door edge.
- ADA Ergonomic thumb turn.
- Extra thick steel mounting plate
- Sturdy, all steel latch case and mechanism.

• Finishes Available:

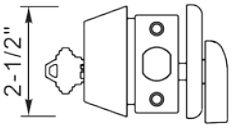
PB - Polished Brass
SB - Satin Brass
AB - Antique Brass
AC - Antique Copper
SN - Satin Nickel
SC - Satin Chrome
CR - Polished Chrome
ORB - Oil Rubbed Bronze
TB - Black Nickel
AN - Antique Nickel
PVD - Lifetime Finish

Drive in deadbolt

3 Hour list
UL R25246



SINGLE CYLINDER
077701 SC

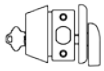


5 or 6 Pin
two-piece
cylinder

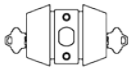
5 or 6 Pin
one-piece
cylinder

Inside Rose Assembly

Sturdy 2-1/2" dia molden
steel security ring insert



077701
SINGLE CYLINDER



077708
DOUBLE CYLINDER

Door Prep:	Cross bore 2-1/8" , Edge bore 1" Latch face 1"x2-1/4" .
Backset:	2-3/4" standard, 2-3/8" optional.
Door Thickness:	Adjustable 1-3/8" -- 2".
Cylinder:	5-Pin or 6-Pin removable core. Schlage "C " keyway or Kwikset and other options available.
Face plates:	1"x2-1/4" square corner standard. Round corner and other options available.
Strikes:	1-1/8"x2-3/4" square corner standard. Round corner and other options available.
Bolt:	1" throw. Nickel plated.
ANSI/BHMA:	A156.5 Grade 1.

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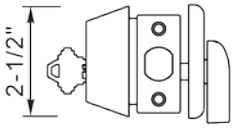
DEADBOLTS

STANDARD DUTY DEADBOLTS

077650 SERIES • ANSI GRADE 3

A commercial quality deadbolt that provides a positive deterrent to forced entry.

- Fixed backset 1" (25mm) deadbolt with hardened steel core exceeds ANSI Grade 2 Security against kick-in and saw attacks.
- 2 dia taped cylinder guard and metal insert, turns free with any removal attempt.
- High precision pick-resistant solid metal tumbler plug. 5 or 6 pin available. Brass key nickel plated. "C",Kwikset keyway available.
- Drive in deadbolt - Designed to be installed on metal door conveniently. Only one hole is needed on door edge.
- ADA Ergonomic thumb turn.
- Brass bolt nickel plated
- Zinc mounting plate.
- Sturdy, steel latch case.
- Adapter for 2-1/8" hole.

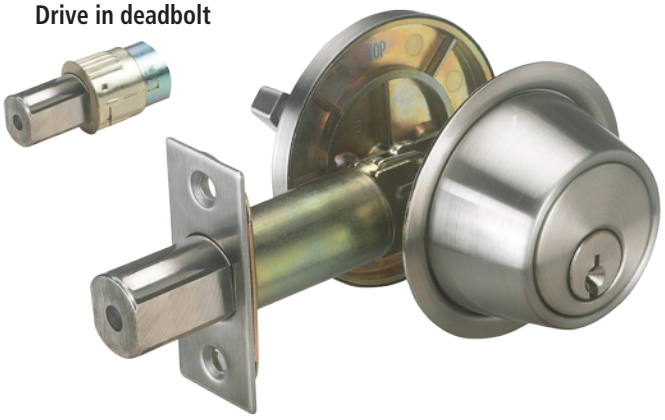


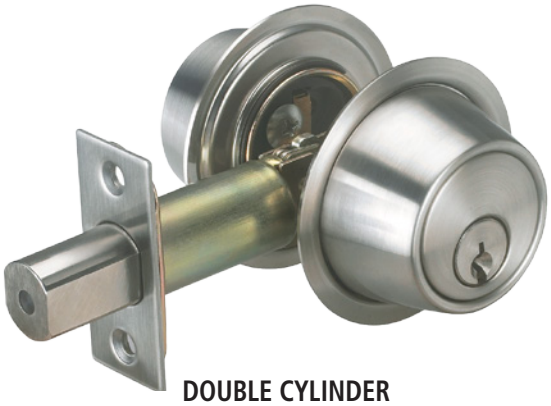
- Finishes Available:
  - PB - Polished Brass
  - SB - Satin Brass
  - AB - Antique Brass
  - AC - Antique Copper
  - SN - Satin Nickel
  - SC - Satin Chrome
  - CR - Polished Chrome
  - ORB - Oil Rubbed Bronze
  - TB - Black Nickel
  - AN - Antique Nickel
  - PVD - Lifetime finish

Inside Rose Assembly

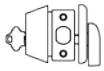
SINGLE CYLINDER
077651 SN

Drive in deadbolt

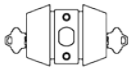




DOUBLE CYLINDER
077658 SN



077651
SINGLE CYLINDER



077658
DOUBLE CYLINDER

Door Prep:	Cross bore 2-1/8" , Edge bore 1" Latch face 1"x2-1/4" .
Backset:	2-3/4" standard, 2-3/8" optional.
Door Thickness:	Adjustable 1-3/8" -- 2".
Cylinder:	5-Pin or 6-Pin removable core. Schlage "C " keyway or Kwikset and other options available.
Face plates:	1"x2-1/4" square corner standard. Round corner and other options available.
Strikes:	2-3/4" square corner standard. Round corner and other options available.
Bolt:	1" throw. Nickel plated.
ANSI/BHMA:	A156.5 Grade 3.

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Maximum Security Heavy-Duty Thumburn Deadbolts

THUMBTURN DEADBOLTS

WITH VACANCY INDICATOR

077302 SERIES • ANSI GRADE 1

A Heavy Duty commercial quality deadbolt that provides a positive deterrent to forced entry.

- 1" (25mm) deadbolt with hardened steel core exceeds ANSI Grade 1 Security against kick-in and saw attacks. ADA Ergonomic thumb turn.
- ADA Ergonomic thumb turn.
- 2-13/16" dia SUS304 rose
- 2mm thick steel mounting plate.
- Sturdy, all steel latch case and mechanism.
- "VACANT" in its window with latchbolt retracted

- Finishes Available:
  - PB - Polished Brass
  - AB - Antique Brass
  - SN - Satin Nickel
  - SC - Satin Chrome
  - CR - Polished Chrome
  - ORB - Oil Rubbed Bronze
  - PVD - Lifetime finish

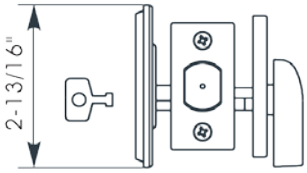
3 Hour list
UL R25246

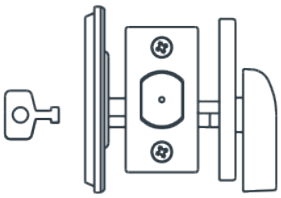
THUMBTURN DEADBOLT
077302

Inside Rose Assembly Style Available

077302 SC

077312 SC





077302
PRIVACY DEADBOLT

Deadbolt operated by Emergency key outside or turn button inside.

Door Prep:	Cross bore 2-1/8" , Edge bore 1" Latch face 1-1/8"x2-1/4".
Backset:	2-3/4" standard, 2-3/8" optional.
Door Thickness:	Adjustable 1-3/8" -- 2".
Face plates:	1-1/8"x2-1/4" square corner standard. Round corner and other options available.
Strikes:	1-1/8"x2-3/4" square corner standard. Round corner and other options available.
Bolt:	1" throw. Nickel plated.

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INTERCONNECTED LOCK

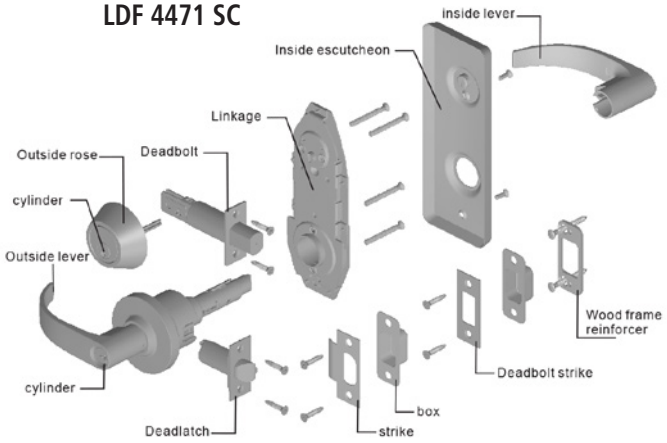
HANDICAP • GRADE 2

LD 4400 SERIES • ANSI GRADE 2

Meets ADA requirements. Specially designed for Barrier Free Application Conforms with ANSI A156.12 Series LD 4400, Grade 2. Exceeds 400,000 cycles.

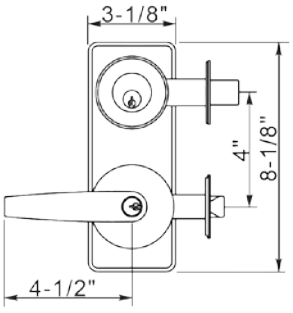
- Solid steel ring insert ANSI Grade 2 Security against hammer and crowbar prying attacks. High precision pick resistant solid brass 6 pin tumbler plug "C". Brass key
- Reinforced 7/8 dia, 1" throw brass / zinc deadbolt with hardened steel core 5/64" thick face plate ANSI Grade 2 Security against kick-in and saw attacks. Strong enough!
- Sturdy, all steel latch case and mechanism.
- 3 Dia. brass rose. Individual spring on rose plate to prevent lever sag.
- UL 3 Hour Rated 1/2" Throw deadlatch completely reversible for flat and beveled doors. Stainless steel latch bolt and faceplate.
- ADA Ergonomic thumb turn.
- Inside escutcheon Housing and linkage
- Plated stainless steel escutcheon
- Solid metal construction Full length lever For easy operation
- Multi-finishes for choice 6 style levers for choice

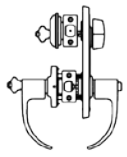
INTERCONNECTED LOCK
LDF 4471 SC



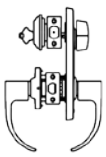
• Finishes Available:
PB - Polished Brass
SN - Satin Nickel
SC - Satin Chrome
CR - Polished Chrome
ORB - Oil Rubbed Bronze
PVD - Lifetime Finish

Door Prep:	Cross bore 2-1/8", Edge bore 1", Latch face 1-1/8"x2-1/4.
Backset:	2-3/4" standard, 2-3/8" optional.
Door Thickness:	Adjustable 1-3/8" -- 2".
Cylinder:	5-Pin or 6-Pin removable core. Schlage "C " keyway or Kwikset and other options available.
Face plates:	1"x2-1/4" square corner standard. Round corner and other options available.
Strikes:	2-3/4" square corner standard. Round corner and other options available.
Handing:	Completely reversible.
Latch:	1/2" throw, stainless steel.
Bolt:	1" throw. Nickel plated.
ANSI/BHMA:	A156.12 Grade 2.

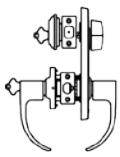




LDF 4471
ENTRANCE, DOUBLE LOCKING



LDF 4473
ENTRANCE, SINGLE LOCKING



LDF 4474
STOREROOM LOCK

LDF 4475
SINGLE DUMMY TRIM

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West: 800-544-4422 • East: 800-225-6737
www.intldoorclosers.com

M7800 MECHANICAL

MORTISE LOCKSETS

Grade 1 Mortise Locksets

IDC Heavy Duty Mortise Locks comply with American National Standard Institute requirement ANSI/ BHMA 156.13 Grade 1. All our locks are field reversible and require only simple steps for changing the hand of lock for easy installation.

- ***Reversible without disassembly***
- ***May retrofit other brand lock sets (consult factory)***
- ***Clutch for vandal resistance***

Specifications

Clutch
Internal clutch provides vandal resistance by permitting lever rotation without retracting latch when locked

Handing
M7800 Series locks are field reversible without disassembly.

Door Thickness
For use on 1-3/4" (44mm) thick door standard. Specify thickness if other than standard for up to 2-1/4" thick door.

Backset:
2-3/4" (70 mm).

Armored Front:
1-1/4" x 8" x 7/32"
(32 mm x 203 mm x 6 mm) standard.

Case:
3-15/16" x 6-1/16" x 29/32"
(100 mm x 154 mm x 23 mm)

Bolts:
3/4" (19mm) throw stainless steel latch with anti-friction tongue.
1" (25mm) throw stainless steel dead bolt.

Levers:
Forged brass or bronze and cast stainless steel

Spring Cages
One or two heavy duty spring cages as required per function.

Rose and Escutcheon
Heavy wrought reinforced brass, bronze and stainless steel.

Strike:
ANSI curved lip strike 1-1/4" x 4-7/8" (32 mm x 124 mm) x 1-3/16" (30 mm) lip to center with dust box standard.

Cylinder & Keys Optional:
1-1/8" 6 pin with 'C' type keyway

I-Core
Compatible with Interchangeable Core Cylinders provided by others

UL LISTED

UL listed "A" label (3 hours) fire exit hardware in accordance with UL 10C, UBC 7-2(1997)

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FUNCTION	MODEL	ANSI	DESCRIPTION
	M1001	**F01**	**Passage** - Latch bolt retracted by lever from either side at all times
	M3004	**F04**	**Office -** Latch bolt operated by lever from either side except when outside lever is made inoperative by key outside or by turning inside thumb turn. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever. Outside lever remains locked until thumb turn is return to vertical position or unlock by key. Auxiliary latch deadlocks latchbolt when doors closed.
	M2005	**F05**	**Classroom** - Latch bolt retracted by lever from either side unless outside is locked by key. Unlocked from outside by key. Inside lever always free for immediate exit. Auxiliary latch deadlocks latch bolt when door is closed.
	M2007	**F07**	**Storeroom** - Latch bolt retracted by key outside or by knob/lever inside. Outside lever always inoperative. Auxiliary latch deadlocks latch bolt when door is closed.
	M2009	**F09**	**Apartment Entrance / Vestibule -** Latch bolt operated by lever from either side, except when outside lever is locked by key from inside. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever. Auxiliary dead latch.
	M2413	**F13**	**Corridor / Exit** - Latch bolt operated by lever from either side. Dead bolt projected by key from outside and turn from inside. Operating inside lever retracts both bolts and unlocks outside.
	M3420	**F20**	**Entrance** - Latch bolt operated by lever from either side, except when outside lever is made inoperative by toggle button. Dead bolt operated by key outside or turn inside. Key outside operates both bolts. Operating inside lever retracts both bolts and outside remains locked. Latch bolt is deadlocked when outside lever is made inoperative or when the dead bolt is projected. When dead bolt is retracted, lever is unlocked by toggle button.
	M7822	**F02** **F04** **F22**	**Privacy** - Latch bolt operated by lever from either side except when outside lever is locked by inside thumb turn. Operating inside lever, closing door or operating outside emergency release unlocks outside lever.
	M0071		**Single Dummy Trim** - Lever on one side fixed by mounting bar.
	M0072		**Double Dummy Trim** - Lever on both sides fixed by mounting bar.
	M0075		**Single Dummy Trim -** Lever on both sides fixed. Includes lock chassis and armor front.
	M0076		**Double Dummy Trim -** Lever on both sides. Includes lock chassis and armor front.

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How to Specify

Funtions

M1001 Passage
M3004 Office
M2005 Classroom
M2007 Storeroom
M2009 Apartment Entrance / Vestibule
M2413 Corridor / Exit
M3420 Entrance
M7822 Privacy
M0071 Single Dummy Trim
M0072 Double Dummy Trim
M0075 Single Dummy Trim with Chassis
M0076 Double Dummy Trim with Chassis

Handing

L Left hand
R Right hand
LR Left hand reversed
RR Right hand reversed

Finish

630 Dull Stainless (Standard)
605 Bright Brass
606 Dull Brass
611 Bright Bronze
612 Dull Bronze
613 Oil Rubbed Bronze
625 Bright Chrome
626 Dull Chrome
629 Bright Stainless Steel

Lever Trim

R Type with rose
RE Type with Escutcheon

L Type with rose
LE Type with Escutcheon

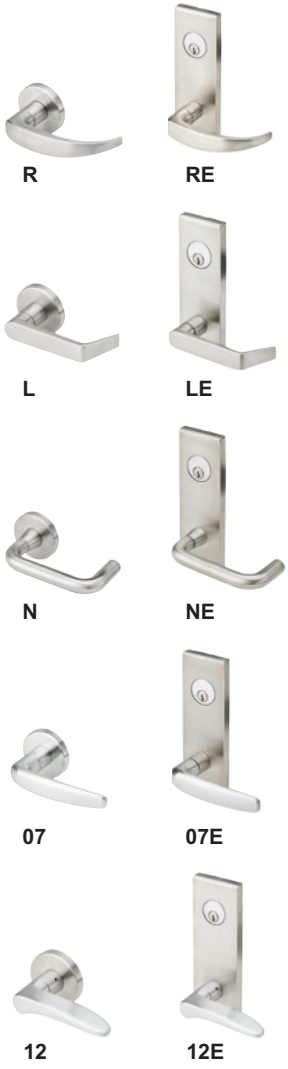
N Nova with rose
NE Nova with Escutcheon

07 Schlage equivalent with B rose

07E Schlage equivalent with escutcheon

12 Schlage equivalent with B rose

12E Schlage equivalent with escutcheon



Retrofit Applications

IDC M7800 series locksets retrofit the following existing door preps of the following lock brands with rose or escutcheon trim.

Knob or lever trim mounting holes only may require relocation. See IDC M7800 template

- Schlage
- Corbin
- Lawrence
- Hager
- Cal-Royal
- Dorma
- Marks
- Sargent
- Arrow

IDC M7800 series locksets retrofits the following existing door preps of the following lock brands with escutcheon trim only.

Minor modification to key cylinder hole position is required and trim mounting trim mounting holes may relocation. See IDC M7800 template

- Falcon
- Yale
- PDQ

Key Cylinder - Optional

CYL-6KDQ
6 pin, 1.125" mortise cylinder, keyed different, dull chrome

CYL-6KAQ
6 pin, 1.125" mortise cylinder, keyed alike, dull chrome

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ENTRYCHECK® E75

STANDALONE ELECTRONIC LOCKSET

E75K

E75P

The IDC E75 EntryCheck® is an indoor/outdoor standalone electronic battery powered solution, providing controlled access for basic and multi-level high security requirements. The E75 lockset is keypad programmable, and combines multiple Access technology with efficient motorized locksets. E75 series can be retrofitted to existing prep for cylindrical locks.

FEATURES

- Keypad Programmable
- 3,000 Users, 32 Temporary Users
- 4 to 6 Digit PIN Codes
- 3 Passage Mode Option
- 32 Access Groups, Schedules
- 32 Holidays
- 4 Authority Levels
- Keypad Tamper Lockout
- Mechanical Key Override
- Battery Powered (4AA)
- Blue Backlit Cast Metal Keys
- Weather & Vandal Resistant
- Retrofit Existing Lock Door Prep
- Motorized IDC Cylindrical Lockset
- Heavy Duty ANSI Grade 1
- Vandal Resistant Lever Handles

SPECIFICATIONS

Power	4 Size AA Batteries (Alkaline Only) 100,000 cycles or External 12VDC Power @ 30mA
Inputs	1 Request to Exit 1 Door Position Switch
Output	SPDT Contacts 1A @ 30VDC Relay
Temperature	-20°F to + 130°F (-30°C to + 54°C)
Humidity	5% to 95% non-condensing
Finish	626 Dull Chrome - Standard Black 625 Polished Chrome 605 Polished Brass

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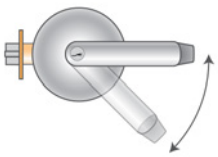
Motorized Lockset Specifications

4000EL

5000EL

Latch bolt	9/16" throw
Backset	2-3/4"
Strike	4-7/8" ANSI A115.2
Door Thickness	1-3/4" to 2-1/8"



When locked, the built-in clutch permits the handles to operate without retracting the latch, reducing potential for damage.

LEVER TRIM

R Type

L Type (standard)

R-IC Type

L-IC Type

FINISH

626 Dull Chrome (std.)
Black (Keypad only)
625 Polished Chrome
605 Polished Brass

OEM Application

- IDC Motorized Lockset available for use with OEM Readers
- IDC Reader available for use with OEM Locksets

Consult Factory

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MASTER KEYING

MASTER KEYING SYSTEM • LASER ETCHING

A Master Key is a key that operates any quantity of cylinders of different individual key changes.

We can provide you with a customized master key system designed and built in our cylinder department to suit your individual needs and levels of authorization.

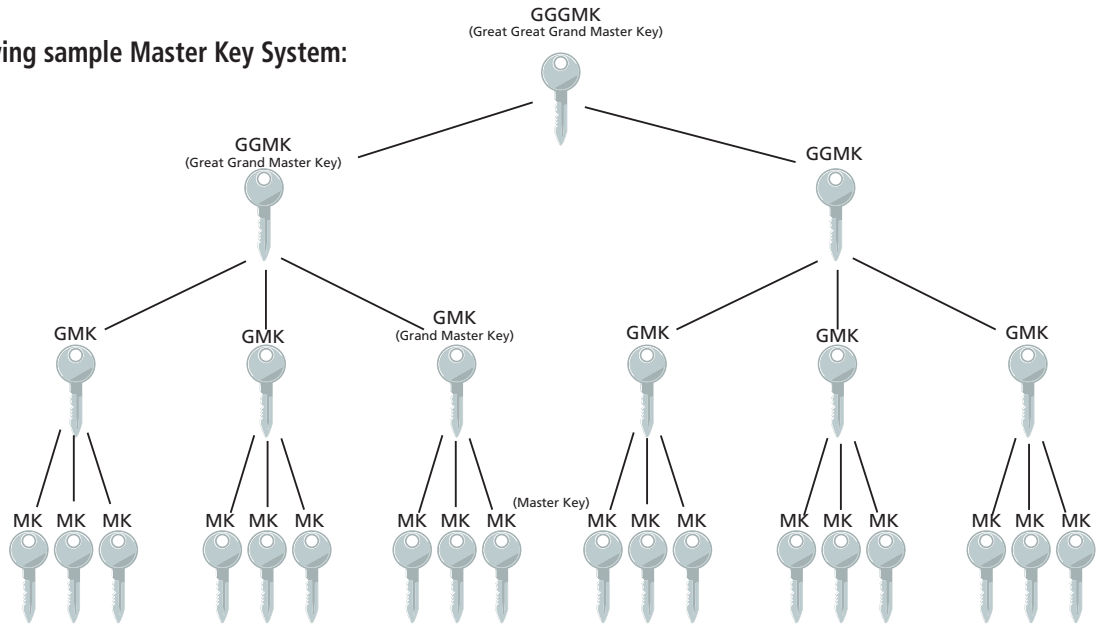
A Grand Master Key is a key that operates locks in several groups, each of which has its own master key.

IDC can create, service and sell
Small Format Interchangeable Cores (SFIC).

Laser Etching helps keep track of the locations of your keys and IC Core.

Key Systems Consultant on Staff to assist with any question regarding a new master key system or maintaining an existing master key system.

See the following sample Master Key System:



Bitting Charts created by IDC for new master key systems.

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SWINGING DOOR HARDWARE • GRADE 2

Deadlocks & DeadLatches

DT-1850, DH-1820-H, DH-1820-S, DL-4510 & FACEPLATES

DT-1850

- **DT-1850** "Long Throw" Deadlock
- **CYLINDER BACKSET AVAILABLE:**
  - 31/32", 1-1/8" and 1-1/2"
- Bolt 1-3/8" throw, made of 5 ply laminated steel with a hardened roller pin in a case hardened center ply for maximum security.
- Lock accepts standard 1-5/32" Mortise Key or Thumbturn Cylinders with AR MS-Type cam
- **SPECIFY:** Cylinder Backset

DH-1820-H • DH-1820-S

- **DH-1820-H** "Hook Bolt" Deadlock
  DH-1820-S "Short Throw" Deadlock
- **CYLINDER BACKSET AVAILABLE:**
  - **DH-1820-H:** 31/32",1-1/8" and 1-1/2"
  - **DH-1820-S:** 1-1/8"
- Bolt 1 3/16" throw, made of 5 ply laminated steel with a hardened roller pin in a case hardened center ply for maximum security.
- Lock accepts standard 1-5/32" Mortise Key or Thumbturn Cylinders with AR MS-Type cam
- **SPECIFY:** Cylinder Backset

DL-4510

- **DL-4510** Deadlatch lock
- **CYLINDER BACKSET AVAILABLE:**
  - 31/32" and 1-1/8"
- Field reversible for opposite hand
- Key controlled dogging
- Latch bolt 1/2" throw, Chrome plated with Delrin insert for smooth, quiet latching
- Lock accepts standard 1-5/32" Mortise Key or Thumbturn Cylinders with AR MS-Type cam
- SS-4510 Strike included, US 26D
- **SPECIFY:** Cylinder Backset
  Hand if pre-handing required

FACEPLATES 1"x 6-7/8"

- **FACEPLATE FINISHES:**
  AL - Anodized Satin Aluminum
  BK - Anodized Black
  DU - Anodized Bronze
- **SPECIFY:** Part Number and Finish

For Use With:	Flat	Radius	Radius Weather-Stripping	Left Hand Beveled	Right Hand Beveled
DH-1820-H DH-1820-S	FP-1821	FP-1822	FP-1823	FP-1824	FP-1825
DT-1850	FP-1851	FP-1852	FP-1853	FP-1854	FP-1855
DL-4510	FP-4511	FP-4512	FP-4513	FP-4514	FP-4515

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SWINGING DOOR HARDWARE

PH-4520 PADDLE HANDLE

- For use with DL-4510 type Latch Lock
- "Push" or "Pull" Paddle Handle
- Field reversible for opposite hand with PUSH and PULL Plates included
- Cam Plug, field reversible, included
- Extruded Aluminum Handle

Finishes Available:

- AL - Handle anodized Satin Aluminum Housing baked Satin Aluminum paint
- DU - Handle anodized Storefront Bronze Housing baked Storefront Bronze paint

Ordering Information	
PH-4521 PUSH To The Left	**PH-4523** PUSH To The Left
PH-4522 PUSH To The Right	**PH-4524** PUSH To The Right

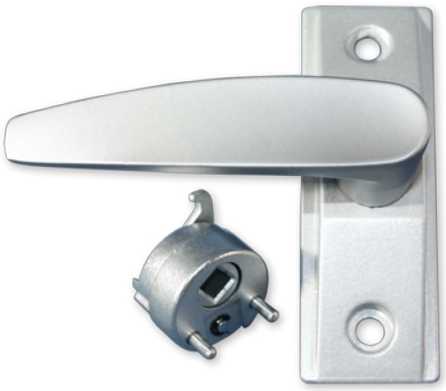
Specify: Model Number and Finish

CP-4560 CAM PLUG

- For use with HL-4560 Lever Handle and PH-4520 Paddle Handle
- Non-handed, field reversible

Specify: Model Number and Finish

HL-4560 LEVER HANDLE



- For use with DL-4510 type Latch Lock
- Cam Plug. field reversible.
- Finishes Available:
  AL - Baked Satin Aluminum
  BK - Baked Black Paint
  DU - Baked Storefront Bronze Paint

Specify: Hand if pre-handing required Finish

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STRIKE SETS

HARDWARE

SC-4540-2, SC4545-2 STRIKE SETS

- Used when replacing a MS Type Lock with a DL-4510 Type Deadlatch Lock in a Center Hung Door and Frame
- Non-handed Stainless Steel Strike for Left or Right hand installation
- Dustbox, back-up plate, and screws included
- SC-4540-2 for use on 4" door jamb
- SC-4545-2 for use on 4-1/2" door jamb

Specify: Model Number

SC-4520 STRIKE SET

- Used when replacing a MS Type Lock with a DL-4510 Type Deadlatch Lock on an Offset Door and Frame
- Non-handed Stainless Steel Strike for Left or Right hand Installation
- Dustbox, back-up plate, and screws Included

SC-4540-1, SC-4545-1 STRIKE SETS

- Used for the new installation of a DL-451 0 Type Deadlatch Lock in a Center Hung Door and Frame
- Non-handed Stainless Steel Strike for Left or Right hand installation
- Dustbox, back-up plate, and screws included
- SC-4540-1 for use on 4" door jamb
- SC-4545-1 for use on 4-1/2" door jamb

Specify: Model Number

SS-4510 STANDARD STRIKE
SP-4510 SPECIAL STRIKE

- Non-handed Stainless Steel Strike
- SS·4510 Mounting holes press formed countersink
- SP-4510 Mounting holes countersunk with flat back

Specify: Model Number

SC-4510 STRIKE SET

- Used for the new installation of a DL-4510 Type Deadlatch Lock in an Offset Door and Frame
- Non-handed Stainless Steel Strike for Left or Right hand installation
- Dustbox, back-up plate, and screws included

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STRIKES & RESCUE STOPS

DUST PROOF STRIKE

1870 FOR DOORS WITHOUT THRESHOLDS

1872 FOR DOORS WITH THRESHOLDS

- For use with any ABH flush bolts
- Prevents dirt, dust and debris from floor clogging strikes

1870

1872

COMBO DOUBLE LIPPED STRIKE AND RESCUE STOP

- For 5-3/4" and 6-3/4" frame with 1-3/4" door
- To be used with ABH 0127 or 0128 center hung pivot sets. Ideal for hospital or nursing home bathroom doors. Stop can be rotated into frame to allow center hung or 1/8" inset double acting doors to swing out in case of emergency.
- Available in US32D, US32, US3, US4, US10B.
- .093 thick material
- Meets ANSI A1882
- Custom sizes available
- Holdback option available (CR4550,60,70,80 only) - (handed)

CR4550/60

CR4570/80

FOR CENTER HUNG DOORS

- CR4550/CR4591 5-3/4" x 2-3/4"
- CR4560/CR4592 6-3/4" x 2-3/4"

FOR 1/8" INSET DOOR

- CR4570/CR4594 5-3/4" x 2-3/4"
- CR4580/CR4593 6-3/4" x 2-3/4"

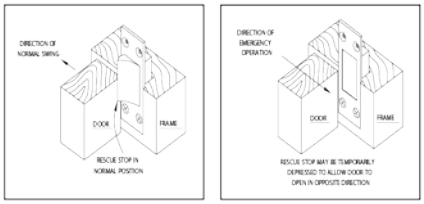
CR4591/92

CR4594/93

4590 RESCUE STOP

FOR CONVERTING A DOUBLE ACTING CENTER HUNG DOOR TO SINGLE ACTING

- Allows door to swing open in opposite direction if a hospital or nursing home patient falls and obstructs the normal swing of the door
- Meets ANSI Spec A1882
- Stainless steel, US32D standard
- Pushing in on the spring loaded stop allows emergency operation of the door. Stop automatically returns to normal position when released



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FLUSHBOLTS

HARDWARE

FB-1200 FLUSHBOLT

- 15/16" x 4-1/4" Radius Face
- Positive "U" joint actuator with 5/8" throw ..
- 1/8",3/16" and 1/4" offset with 7/8" backset
- Rod length for 12" Centerline of face installation
- Square Nylon Tip with beveled corners fits in 1/2" square hole
- Finishes Available:
  AL - Baked Satin Aluminum Paint
  BK - Baked Black Paint
  DU - Baked Storefront Bronze Paint

Ordering Information
FB·1201 1/8" offset, without guide
FB-1202 1/8" offset, with guide
FB·1203 1/4" offset, without guide
FB·1204 1/4" offset, with guide
FB·1205 3/16" offset, without guide
FB·1206 3/16" offset, with guide

Specify: Model Number Standard or Extended Hole Guide Finish

FB·2200 FLUSHBOLT

- 15/16" x 4-1/4" Radius Face
- Positive "U" joint actuator with 7/8" throw
- 1/8" and 1/4" offset with 7/8" backset
- Rod length for 12" Centerline of face installation
- Square Nylon Tip with beveled corners fits in 1/2" square hole
- Finishes Available:
  AL - Baked Satin Aluminum Paint
  BK - Baked Black Paint
  DU - Baked Storefront Bronze Paint

Ordering Information
FB·2201 1/8" offset, without guide
FB·2202 1/8" offset, with guide
FB·2203 1/4" offset, without guide
FB·2204 1/4" offset, with guide

Specify: Model Number
Standard or Extended Hole
Guide Finish

FB·1201·K FLUSHBOLT

- 15/16" x 4-1/4" Radius Face
- Positive "U" joint actuator with 5/8" throw
- 1/8" offset with 11/16" backset
- Square Nylon Tip with beveled corners fits in 1/2" square hole
- Finishes Available:
  AL - Baked Satin Aluminum Paint
  BK - Baked Black Paint
  DU - Baked Storefront Bronze Paint

Specify: Finish

ER·1200 FLUSHBOLT EXTENSION ROD

- 1/4-20 x 12" Threaded rod
- Includes coupler

FG-1200 STANDARD FLUSHBOLT GUIDE

- For use with FB-1200 and FB-2200 Flushbolts

FG·1250 EXTENDED HOLE FLUSHBOLT GUIDE

- For use with FB-1200 and FB-2200 Flushbolts

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FLUSH BOLTS

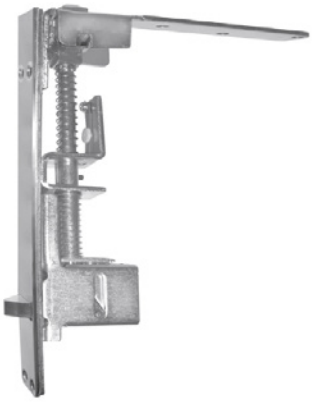
COORDINATORS

MADE IN USA

AUTOMATIC FLUSH BOLTS

When active door is closed the bolt automatically projects to lock inactive door. Bolt retracts when active door is opened.
BHMA 4.4 TYPE 25: ANSI 156.3 UL Listed

1860P



1862P

1860P PAIRS FOR METAL DOORS

- Fits ANSI prep for Metal doors
- 3/4" throw with 2" vertical adjustment. Adjustment can be made without removing door from frame
- UL listed 3 hrs on metal door up to 4' wide and 8' high
- If strike and bolt are misaligned, override prevents damage to door, frame or flush bolt
- Dust proof strikes - 1870 for and/or threshold, 1872 for threshold only

1862P PAIRS FOR METAL DOORS

- 3/4" throw with 3/4" vertical adjustment. Adjustment can be made without removing door from frame
- UL listed 1-1/2 hrs on wood doors up to 4' and 8' high
- If strike and bolt are misaligned, override prevents damage to door, frame or flush bolt
- Dust proof strikes- 1870 for floor and/or threshold, 1872 for threshold only

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MANUAL FLUSH BOLTS

Used to lock and unlock an inactive door when the active door is open. When the inactive door is closed, moving the lock lever up locks it and moving the lever down unlocks it. Meets FED SPEC 1049 : BHMA L14081: ANSI 156.16. UL Listed.

1855S

1857S

1855S SINGLE UNIT FOR METAL DOORS

- Non-handed
- 5/8" throw with 7/8" vertical adjustment
- Standard rod length is 12". Other lengths are available on request
- Dust proof strikes - 1870 for floor and/or threshold, 1872 for threshold only
- Available in most architectural finishes
- UL listed for use on metal covered doors up to 4' wide and 10' high

1857S SINGLE UNIT FOR WOOD DOORS

- Same features as 1855 with the addition of a special top guide for wood doors
- Dust proof strikes - 1870 for floor and/or threshold, 1872 for threshold only

1805 ALL STAINLESS STEEL SERIES SURFACE BOLTS

N1805 Custom Lengths Available

- All stainless steel components
- 1" throw
- 8" (N1815) 12" standard (N1825)
- With bracket for lock - suffix L lock by others

- Heavy duty for extreme conditions
- Made of all stainless steel, finish US32D
- 3/4" wide x 3/4" thick bar
- Unit locks automatically. To release press knob toward door while unlatching.

N1805L Custom Lengths Available

- Special lengths available on request
- Sex bolts available
- Top and bottom strikes available
- With bracket for lock - L lock by others with
- Accepts lock (not provided) with 3/8" max diameter shackle and 1-3/4" min. shackle opening height.

N1805DL Custom Lengths Available

- 12" (HD1825TB) and 24" (HD1835TB) standard, custom lengths available
- Sex bolts standard
- Supplied with top and bottom strikes

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3780 UNIVERSAL COORDINATOR

3780 Universal Coordinator is for pairs of doors up to 8’ wide. The long arm holds the active door open until the short arm is depressed by the inactive door. When the doors are closed, the arms are hidden by the stop-mounted aluminum case.

- One size for all pairs of doors up to 8’ wide
- Non-handed
- Stop mounted
- Matte black finish (Available)
- Meets ANSI 156.3, Type 21 requirements (when used with carry bar)
- Mounting brackets not required when using stop mounted hardware
- UL listed for use with pairs of swinging doors with astragal

Not for use with surface vertical rod panic devices

3760 CARRY BAR

- For pair of doors, where inactive door can be opened before active door
- Mounted on inactive door
- USP standard, plated finishes available

3790 GRAVITY COORDINATOR

- For use on pairs of doors to allow inactive door to close before active door
- UL listed for use with pairs of swinging or doors with astragal
- Non-handed
- Stainless steel
- Use on pairs of doors with astragal on:

- Active door up to 4’
- Inactive door over 3’4”
- Both doors over 2’10”

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THRESHOLD BOLTS

HARDWARE

TB-4015 THRESHOLD BOLT KIT

For doors with cylinder height tip to 53-1/2", Threaded rod can be cut for cylinder heights lower than 53-1/2"

- CTC 9", 10" and 12"
- Anodized Finishes AL, DU (Storefront Bronze), and BK
- Other Finishes Available on Request
- Mounting Hardware Include

SPECIFY: Length, Finish & Mounting Hardware (T1 or T6)

T8-4016 THRESHOLD BOLT KIT

For doors with cylinder height 34" to 37"

- Bolt 3/8" hexagon hardened steel
- 11/16" bolt throw
- Unit complete for attachment to basic Deadlock to provide two-point security

Specify: Model Number

HB-4015-N SPECIAL HEADER BOLT SET

HB-4015-N Header Bolt Set is Standard for 83" Doors with Cylinder Heights of not less than 33"

ER-4015-N Extension Rod Kit is Available for 8'-9' Door Heights

HB-4085 HEADER BOLT SET

For doors 30-1/2" to 5O" from Centerline of cylinder to top of door

HB-4086 HEADER BOLT SET

For doors 55·5/8" 72-1/2" from Centerline of cylinder to top of door

HB-4087 HEADER BOLT SET

For doors 67" to 89" from Centerline of cylinder to top of door

- Inactive leaf lock when used with basic long Throw Deadlock in active leaf
- 5/8" throw expanding bolt
- Minor adjustments can be made after installation
- Unit complete with Rod Guide and Header Strike

Specify: Model Number

HS-4089 HEADER SIGN HS-4090 HEADER SIGN

- For use on transoms and door headers
- One piece self-adhesive decals
- Black letters on aluminum background

Specify: Model Number

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CYLINDERS

HARDWARE

CZ-1001 (ZINC) MORTISE KEY CYLINDER

- 1" Length 5 pin Cylinder 1-5/32" diameter
- AR MS-Type cam
- Keyway available:
  Schlage "C", Yale "8"
- Core face and Key US 26D
- Cylinder ring 3/16" standard, 5/32" and 7/32" optional
- Finishes Available: Specify : Keyway
  AL - Anodized Satin Aluminum
  BK - Anodized Black
  DU - Anodized Bronze

Specify: Cylinder ring type KA-2 or KA-(quantity) Finish

TZ-3001 (ZINC) MORTISE THUMBTURN CYLINDER

- 1" Length Cylinder 1-5/32" diameter
- AR MS-Type cam
- Thumbturn US 26D
- Cylinder ring 3/16" standard, 5/32" and 7/32" optional
- Finishes Available:
  AL - Anodized Satin Aluminum
  BK - Anodized Black
  DU- Anodized Bronze

Specify: Cylinder ring type

DC-2001 (ZINC) MORTISE DUMMY CYLINDER

- 7/8" Length Cylinder
  1-5/32" diameter
- No Keyway or cam
- Cylinder ring 3/16" standard,
  5/32" and 7/32" optional
- Finishes Available: Specify: Cylinder ring type
  AL - Anodized Satin Aluminum Finish
  BK - Anodized Black
  DU - Anodized Bronze

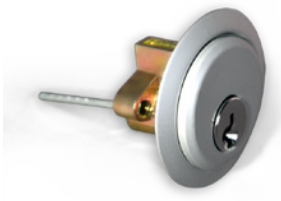
Specify: Cylinder ring type

CG-4043 CYLINDER GUARD

- Hardened steel security ring
- Free-spinning beveled collar
- For standard face 5 pin Mortise key cylinder
- For use on Aluminum
- Furnished with retaining clip and two spacers
- Finishes Available:
  AL - Baked Satin Aluminum Paint
  BK - Baked Black Paint
  DU- Baked Storefront Bronze Paint

Specify: Finish

RZ-1003 (ZINC) RIM CYLINDER



- 5 pin Cylinder
- Core face and Key US 26D
- Schlage "C" Keyway
- Low profile Cylinder ring and adaptor plate standard
- 1-7/8" Break-away screws and 1-1/4" Break-away Spindle standard
- Finishes Available:
  AL - Anodized Satin Aluminum
  BK - Anodized Black
  DU - Anodized Bronze

Specify: Finish

LI-4089 LOCK INDICATOR SET

- For use with DH-1820 and DT-1850 type Deadlocks
- LOCKED in red and OPEN in green letters on white background
- Includes adhesive backed HS-4089
  Header Sign THIS DOOR MUST REMAIN UNLOCKED DURING BUSINESS HOURS
- Finishes Available:
  AL - Baked Satin Aluminum Paint
  BK - Baked Black Paint
  DU- Baked Storefront Bronze Paint

Specify: Finish

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STAINLESS STEEL ROLLER LATCHES

ROLLER LATCHES

HARDWARE

MADE IN USA

IDC Roller Latches are easily adjustable for roller projection for proper contact between roller and frame strike. Adjustment is made with 2 screws on the face of the roller latch body. Maximum roller projection is 5/16". The nylon roller provides durability and quiet operation. All units are stainless steel construction. Meets ANSI/BHMA A156.16, E19091. Available in most architectural finishes. Custom strikes available.

1890

- Cast full lip strike 1-11/16" wide x 2-1/4"
- Latch face 1" x 3-3/8"
- Fasteners
  Body (2) #10 x 3/4" FH SMS
  Strike (2) #8 x 3/4" FH SMS

1890S

- Custom Strike for double acting doors
- Latch face 1" x 3-3/8"
- Fasteners
  Body (2) #10 x 3/4" FH SMS
  Strike #8 x 3/4" FH SMS
  (Quantity determined by width)

1891

- ASA Strike 1-1/8" wide x 4-3/4"
- Latch face 1" x 3-3/8"
- Fasteners
  Body (2) #10 x 3/4" FH SMS
  Strike (2) #12-24 x 3/8" FH MS

1892

- T Strike 1-1/8" wide x 2-3/4"
- Latch face 1" x 3-3/8"
- Fasteners
  Body (2) #10 x 3/4" FH SMS
  Strike (2) #10 x 3/4" FH SMS

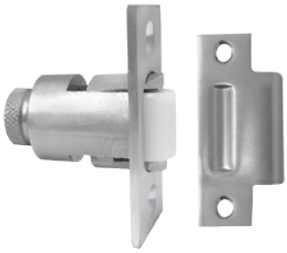
1893

- With integrated angle stop
- Mounts in header with strike at top of door
- Cast strike 1-1/8" wide x 2-1/4"
- Latch face 1-1/2" x 4-1/2"
- Fasteners
  Body (2) #10 x 3/4" FH SMS
  Strike (2) #10 x 3/4" FH SMS

1894

- Extended cast strike
  2-1/8" wide x 2-1/4"
- Latch face 1" x 3-3/8"
- Fasteners
  Body (2) #10 x 3/4" FH SMS
  Strike (2) #8 x 3/4" FH SMS

1895



- Roller projection can be adjusted by turning the knurled knob at the back of the latch
- Maximum roller projection 1/2" to compensate for different door clearances
- Uses standard heavy duty cylindrical lock cut-out
- Standard strike 1-1/8" wide x 2-3/4"
- Body 1-1/8" wide x 2-1/4"
- For roller latch with ASA strike order 1896 (1-1/4" wide x 4-7/8")
- Fasteners
  Body (2) #8 x 3/4" FH SMS
  Strike (2) #10 x 3/4" FH SMS
  ASA Strike #12-24 x 3/4 FH SMS

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DOOR PULLS & PUSH BARS

HARDWARE

OFFSET DOOR PULL PH-4000

- 1" Diameter Solid Aluminum Round
- 3-1/4" Offset
- Projection 3-1/4"
- Door Clearance 2-1/4"
- CTC 9", 10" and 12"
- Anodized Finishes AL & DU (Storefront Bronze)
- Other Finishes Available on Request
- Mounting Hardware Include

SPECIFY: Length, Finish & Mounting Hardware (T1 or T6)

OFFSET PULL SET PH-4000-2

- 1" Diameter Solid Aluminum Round
- 3-1/4" Offset
- Projection 3-1/4"
- Door Clearance 2-1/4"
- CTC 9", 10" and 12"
- Anodized Finishes AL & DU (Storefront Bronze)
- Other Finishes Available on Request
- Mounting Hardware Included (T5)

SPECIFY: Length and Finish

OFFSET PULL & SINGLE BEND PUSH BAR SET PP-1000

- 1" Diameter Solid Aluminum Round
- Projection: See Pull/Push Specifications
- CTC: See Pull/Push Specifications
- Anodized Finishes AL & DU (Storefront Bronze)
- Other Finishes Available on Request
- Mounting Hardware Included

SPECIFY: Length, Finish & Mounting Hardware

OFFSET PULL & DOUBLE BEND PUSH BAR SET PP-2000

- 1" Diameter Solid Aluminum Round
- Projection: See Pull/Push Specifications
- CTC: See Pull/Push Specifications
- Anodized Finishes AL & DU (Storefront Bronze)
- Other Finishes Available on Request
- Mounting Hardware Included

SPECIFY: Length , Finish & Mounting Hardware

SINGLE BEND PUSH BAR PB-1000
DOUBLE BEND PUSH BAR PB-2000

- 1" Diameter Solid Aluminum Round
- Projection 2-1/4" with 1-1/4" Door Clearance
- CTC 33-1/16",39-1/16" and 45-1/16"
- Anodized Finishes AL & DU (Storefront Bronze)
- Other Finishes Available on Request
- Mounting Hardware Included

SPECIFY: Length, Finish & Mounting Hardware (T1 or T6)

MOUNTING HARDWARE FOR VARIOUS COMBINATIONS

- Single Push/Pull: Specify either T1 Thru Bolt, or T6 Concealed Mount
- Push/Pull Sets: Back to Back at Bottom of Pull, Thru Bolts on free ends

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PUSH/PULL LATCH • MORTISE LOCK

6000 SERIES

HOSPITAL PUSH PULLS

MADE IN USA

Versatility and ease of installation are the hallmarks of products in this series. 6000 Series handles can be mounted up, down, or horizontal. The 6600/6700 can be mounted in any combination without changes in the field. All models meet ADA requirements. Every unit is available with lead lining (suffix L) and engraving (suffix P), and comes in all BHMA finishes. The standard handle covers are 4-1/2" x 2-3/4". All handles have a projection of 2-3/4" from the face of the door. Most latches available with 2-3/4", 3-3/4", 5" or 7" BS & standard or ASA strike. UL Listed for use with doors rated 1-1/2 hours or less, measuring up to 4 ft. in width and 8 ft. in height. All Push/Pull models available with antimicrobial coating.

6000 PUSH/PULL LATCH

Patent No. 6,196,599

- Non-handed (except for engraved models)
- Push/pull latch mounted using (4) thru-bolts
- Push/pull latch can be mounted with the handles up or down without any modification
- Can be mounted horizontally with proper prep
- Available with 2-3/4", 3-3/4", 5" or 7" backset latches
- Standard T-Strike or ASA strike
- Includes all required fasteners
- Compact non-handed covers provide maximum clearance between the handle and door
- UL listed for all fire doors
- Available in BHMA finishes
- Lead lining is available
- Available latch bracket for Roller to Push Pull conversion
- Meets ADA requirements
- Standard for 1-3/4" thick doors
- Junior cover (3-1/2" x 2-3/4") available (prefix J)
- Round cover available (prefix RC)

(RC)

6100 PUSH/PULL LATCH

Patent No. 6,196,599
5,730,478

SERIES

- Push-Pull trim can be mounted with one side vertical, one side horizontal without modification to parts or doors
- Uses government standard #161 door cut-out
  No additional door prep required
- Available with 2-3/4", 3-3/4", 5" or 7" backset latches
- Standard or ASA strike
- UL listed for all fire doors
- Available in all BHMA finishes
- Lead-lining available
- Standard for 1-3/4" thick doors
- Junior cover (3-1/2" x 2-3/4") available (prefix J)
- Round cover available (prefix RC)

(RC)

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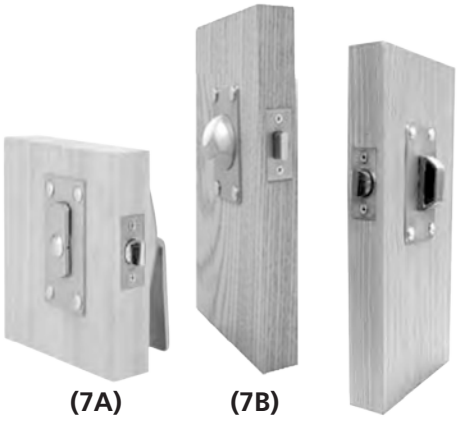
6200 PUSH/PULL LATCH



(7A) (7B) (7C)

Patent No. 6,196,599

- Can be used on Push, Pull or Both Sides
- Non-handed (except for engraved models)
- Handle can be mounted with the handle up or down without any modification
- Available with 2-3/4", 3-3/4", 5" or 7" backset latches
- Standard or ASA strike
- Includes all required fasteners
- Compact non-handed covers provide maximum clearance between the handle and door
- UL listed for all fire doors
- Available in BHMA finishes
- For institutional use
- Can be used with IDC Mortise Lock and other manufacturer's mortise lock (see 6600/6700)
- No protrusions on Asylum side of door
- No screw access on Asylum side of door
- Round cover available (prefix RC)

6400/6500 PRIVACY HOSPITAL PUSH/PULL LATCH

- Privacy thumbturn lock on one side, emergency unlock on opposite side
- 6400 Pull side thumb lever. 6500 Push side thumb lever
- Available with 2-3/4", 3-3/4", 5" or 7" backset
- Standard or ASA strike
- All standard finishes
- Meets ADA requirements
- Standard for 1-3/4" doors
- UL listed

Patent No. 6,196,599
6,293,598

STRIKES FOR 6000 SERIES

(Contact IDC for Custom Strikes)

6055
FULL LIP STRIKE
1-1/4" x 2-1/4"

T STRIKE
6058
2-3/4" x 1-3/8"
EXTENDED LIP
605858
2-3/4" x 1-5/8"

ASA STRIKE
6059
4-7/8" x 1-3/8"
EXTENDED LIP
605912
4-7/8" x 1-1/2"
605958
4-7/8" x 1-5/8"

6603RL
For 6600 Mortise Lock Series

6059RL
For 6000 Cylindrical Latch Bolt Series

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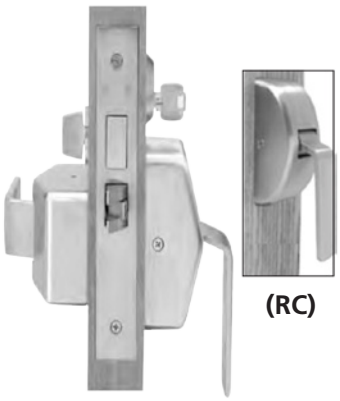
6600 PUSH/PULL TRIM



(RC)

Patent No. 5,730,478
6,196,599

WITH A MORTISE LOCK

- Trim can be mounted up, down, horizontally or in any combination
- Uses standard mortise lock door prep
- Indicate hand when ordering
- Junior cover (3-1/2" x 2-3/4" available (prefix J).

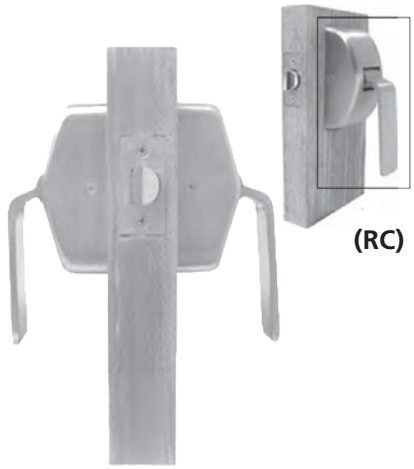
Recommended when mounting push side horizontal.

- Cylinder not provided
- Contact factory for cam requirements if cylinder is used
- 3/4" latch bolt throw
- UL listed
- Asylum knob trim available
- Round cover available (prefix RC)

CROSS REFERENCE		
ABH	GALYNN-JOHNSON	FUNCTION
6610	HL6-9010	PASSAGE
6632	HL6-9040	PRIVACY
6637	HL6-9466	STORAGE-UTILITY ROOM
6638	HL6-9060	APARTMENT ENTRANCE
6641	HL6-9082	INSTITUTION
6645	HL6-9485	HOTEL
6653	HL6-9453	ENTRANCE
6654	HL6-9473	DORMITORY-BEDROOM
6656	HL6-9070	CLASSROOM
6657	HL6-9456	DORMITORY-EXIT
6658	HL6-9080	STOREROOM

Brand names are trademarks or registered trademarks of their respective companies

6700 PUSH/PULL TRIM



(RC)

Patent No. 5,730,478
6,196,599

FOR OTHER MANUFACTURERS' MORTISE LOCKS

- Trim can be mounted up, down, horizontally or in any combination
- Uses standard mortise lock door prep
- Junior cover (3-1/2" x 2-3/4") available (prefix J) recommended when mounting push side horizontal.

NOTE: Must use mortise lock for knob trim, do not use mortise lock for lever handle

- UL Classified
- Mortise lock not provided
- Asylum knob trim available
- Round cover available (prefix RC)

****IDC will request lock sample****

ABH MODEL #	USED WITH (OTHER MANUFACTURER
6710	Best, Falcon, Marks, Dorma
6720	Schlage
6730	Yale
6740	Corbin/Russwin
6750	Sargent
6760	PDQ
6770	Arrow

Brand names are trademarks or registered trademarks of their respective companies

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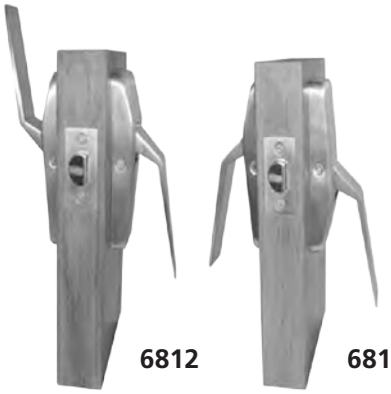
6600/6700 EXIT ONLY

Patent No. 5,730,478
6,196,599

- 6600EO with mortise lock 2-3/4" backset
- 6700EO for other manufacturers' mortise lock
- Indicate handing and push or pull handle
- Trim available in all BHMA finishes
- Back plate or Security plate available in Stainless Steel only
- Junior cover (3-1/2" x 2-3/4") available (prefix J) recommended when mounting push side horizontal.
- Round cover available (prefix RC)

(RC)

6800 LOW PROFILE PUSH/PULL



6812 **6814**

Patent No. 7,258,374

- Cover projection 7/8", handle projection 2-5/8"
- 2-3/4", 3-3/4", 5", 7" backsets
- Handing can be easily changed in the field (unless engraved handles used)
- Roller latch conversion kit available, Part No. 601LB
- Exit only available
- Standard or ASA strike
- Available in most architectural finishes
- UL listed
- Round cover available (prefix RC)

Order form available on-line or contact factory

Low Profile (RC)

6830 LOW PROFILE REVERSE LATCH

Patent No. 7,258,374

- Latch bolt is thrown only when push handle is activated and held
- For use in psychiatric and mental patient areas or "time-out" rooms, schools and rehabilitative facilities
- Push handle on one side, flat plate on the other side
- Available with 2-3/4", 3-3/4", 5" or 7" backset
- Handle can be mounted up or down
- Does not violate Life Safety Codes
- Standard for 1-3/4" thick doors
- Round cover available (prefix RC)

Order form available on-line or contact factory

Low Profile (RC)

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EX, H & X SERIES

PUSH-PULL WITH HIP PADDLE OR HANDLE EXTENSION FOR MOST 6000, 6600 AND 6700 MODELS

EX SERIES
Patent No.
5,730,478
6,196,599

- EX Series - 6" extended handle

PSEX 6000 Pushside extended handle

PLEX 6000 Pullside extended handle

PPEX 6000 Both sides extended handles

- Available in stainless steel only
- Ideal for hospital scrub rooms and restaurant kitchen doors

H SERIES
Patent No.
5,730,478
6,196,599

- H Series - oversize paddle on push side trim - Available in most BHMA finishes
- Also available on 6800 series
- Ideal for hospital scrub rooms and restaurant kitchen doors
- Prefix H

X SERIES
Patent No.
5,730,478
6,196,599

- X Series - handle extension - one side
- Ideal for hospital scrub rooms and restaurant kitchen doors
- Prefix X

J PUSH/PULL

SERIES WITH JUNIOR COVER

- Compact 3-1/2" x 2-3/4" cover for handles
- Recommended f or 1/2" clearance between the cover and jamb stop for 2-3/4" backset and mortise lock models when handles are mounted horizontally
- Available for All series (except 6800) (prefix J)
- Available in most BHMA finishes

Patent No. 5,730,478
6,196,599

ROUND COVER SERIES

PUSH/PULL WITH ROUND COVER

RC6000

RC6600/
RC6700

RC6800

- Non-handed covers
- Covers can be used on both sides of unit
- Available in all BHMA finishes
- Available for all Push/Pull Latch units
- Ideal for use in psychiatric facilities for patient safety
- Security screws available
- Patent pending
- Prefix RC

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OP-7000 OFFSET PIVOT SET (KAWNEER TYPE)

- A380 Precision die cast aluminum
- Oilite bronze bushing in top frame portion
- Full race ball bearing In bottom door portions
- Door height adjustable by bottom door portion
- Case hardened stud in floor/jamb portion
- Includes steel reinforcement plates for the door portions

- Finishes Available:

AL - Baked Satin Aluminum PaInt
BK- Baked Black Paint
DU- Baked Storefront Bronze Paint

Top Frame Pivot Portion
(includes fasteners)
Kawneer P/N 50-321

Top Door Pivot Portion
(includes fasteners and reinforcement plate)
Kawneer P/N 50-320

Bottom Door Pivot Portion
(includes fasteners and reinforcement plate)
Kawneer P/N 50-323

Floor/Jamb Pivot Portion
(includes fasteners)
Kawneer P/N 5O-325{LH)
Kawneer P/N 5O-324(RH)

Specify: Model Number and Finish

IP-1900 INTERMEDIATE PIVOT SET

3/4" Offset for use with Aluminum Doors and Frames

- Full race ball bearing backed by an oilite bronze bushing in the door portion
- Case hardened pin in jamb portion fully retractable for ease of installation
- Easy vertical adjustment
- Precision Aluminum die cast
- For doors up to 125lbs.
- Finishes Available:

AL- Baked Satin Aluminum Paint
BK- Baked Black Paint
DU- Baked Storefront Bronze Paint

Ordering Information
IP-1901 Left
IP-1902 Right

Specify: Model Number and Finish

IP-2200 INTERMEDIATE PIVOT SET

3/4" Offset for use with Aluminum Doors and Frames

- Full race ball bearing backed by an oilite bronze bushing in the door portion
- Case hardened pin in jamb portion fully retractable for ease of installation
- Easy vertical adjustment
- Precision Aluminum Extrusion
- For doors up to 125lbs.
- Finishes Available:

AL- Baked Satin Aluminum Paint
BK- Baked Black Paint
DU- Baked Storefront Bronze Paint

Ordering Information
IP- 2201 Left
IP- 2202 Right

Specify: Model Number and Finish

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OFFSET PIVOT SETS

3/4" Offset for use with Aluminum Doors and Frames

- Oilite bronze bushing in top frame portion
- Case hardened, spring loaded pin in top door portion (case hardened fixed pin In Series 5000 top door portion)
- Full race ball bearing in bottom door portion
- Case hardened stud in floor/jamb portion (stainless steel stud In Series 5000 floor/jamb portion)
- 1/8" vertical adjustment
- For doors up to 125 lbs.
- Finishes Available:

AL - Baked Satin Aluminum Paint
BK - Baked Black Paint
DU - Baked Storefront Bronze Paint
Specify : Model Number and Finish

SERIES 2000	SERIES 3000	SERIES 4000	SERIES 5000	SERIES 6000	SERIES 7000
OP-2700 (Non-Handed) Flush Door **OP-2800** (Non-Handed) 1/8" Recessed Door	**OP-3001** Left Flush Door **OP-3002** Right Flush Door **OP-3101** Left 1/8" Recessed Door **OP-3102** Right 1/8" Recessed Door	**OP-4001** Left Flush Door **OP-4002** Right Flush Door	**OP-5001** Left 1/8" Recessed Door **OP-5002** Right 1/8" Recessed Door	**OP-6001** Left 7/64" Recessed Door **OP-6002** Right 7/64" Recessed Door	**OP-7001** Left 1/8" Recessed Door **OP-7002** Right 1/8" Recessed Door
SEE CROSSOVER REFERENCE CHART ON PAGE 148					
Jackson 27 Jackson 28 Sun Valley All American Entrance Tech Rebco West	Tubelite* Arcadia All American Arch Aluminum Commercial Arch. Pacific Western Rebco Southwest Alum.	US Aluminum Sun Valley A Door MFG. Entrance Tech.	Aldora	Arch Aluminum Armalite Wells Aluminum	Kawneer

* Non-Adjustable Old Type

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CROSS REFERENCE CHART

JACKSON-SOMACA-CRL

JACKSON-SOMACA-CRL PIVOT CROSSOVER REFERENCE CHART			
APPLICATION	**"OLD" JACKSON PART NO.**	**"OLD" SOMACA PART NO.**	**JACKSON CRL PART NO.**
U.S. Aluminum	41J25L628 41J25L313 41J25R628 41J25R313	3184421 3184421 3184420 3184320	41J25L628 41J25L313 41J25R628 41J25R313
	41J26L628 41J26L313 41J26R628 41J26R313	3184427 3184327 3184426 3184326	41J26L628 41J26L313 41J26R628 41J26R313
Automatics, Besam	41J27628 41J27313	3184423 3184323	OP27NHA OP27NHDU
	41J28628 41J28313	3184428 3184328	OP28NHA OP28NHDU
Arcadia, Arch Aluminum, Tubelite, Vistawall	41J30L628 41J26L313 41J30R628 41J30R313	3184430 3184330 3184429 3184329	OP30LHA OP30LHDU OP30RHA OP30RHDU
	41J31L628 41J31L313 41J31R628 41J31R313	3184432 3184332 3184431 3184331	OP31LHA OP31LHDU OP31RHA OP31RHDU
U.S. Aluminum	41J34L628 41J34L313 41J34R628 41J34R313	3184460 3184360 3184459 3184359	OP34LHA OP34LHDU OP34RHA OP34RHDU
Amarlite, Arch Aluminum, Rebco	41J40L628 41J40L313 41J40R628 41J40R313	3184462 3184363 3184461 3184361	OP40LHA OP40LHDU OP40RHA OP40RHDU
Pittco, PPG	41J41L628 41J41L313 41J41R628 41J41R313	3184442 3184342 3184441 3184341	OP41LHA OP41LHDU OP41RHA OP41RHDU
Atlas Arch	41J43L628 41J43L313 41J43R628 41J43R313	3184447 3184347 3184446 3184346	41J43L628 41J43L313 41J43R628 41J43R313
Arch Aluminum	N/A N/A N/A N/A	N/A N/A N/A N/A	OP50LHA OP50LHDU OP50RHA OP50RHDU

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CENTER HUNG PIVOTS

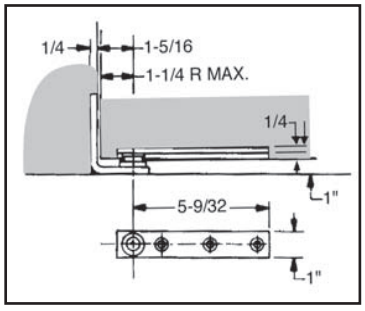
MADE IN USA

CENTER HUNG PIVOTS

Pivot sets include top and bottom pivots. All center hung pivot sets are non-handed and double acting. Intermediate pivots are not used. Center hung pivots are not allowed with labeled doors. Door must be reduced on pivot edge. All sets are available in standard architectural finishes.

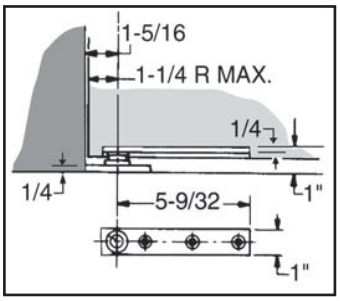
0127

- For interior door up to 3’6” x 8’6”
- Weight to 200 lbs.
- 0320 light duty top pivot included
- Bottom pivot mortised into side jamb
- Extended spindles available
- Can be used with IDC Rescue Stops (See Rescue Hardware Sets)
- BHMA/ANSI C07042



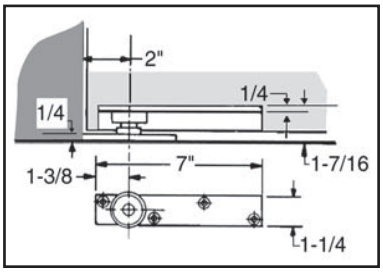
0128

- F or interior doors up to 3’6” x 8’6”
- Weight to 250 lbs.
- 0320 light duty top pivot included
- Bottom pivots mounted to floor
- Extended spindles available
- Can be used with IDC Rescue Stops (See Rescue Hardware Sets)
- BHMA/ANSI C07032/3530 (modified)



0370

- For interior doors or exterior doors up to 4’0” x 8’6”
- Weight to 500 lbs.
- 0340 top pivot inc included
- E0340 electrified top pivot available
- Bottom pivot mounted to floor
- Extended spindles available
- BHMA/ANSI C07032



Frame Portion Top Pivot

400-PF

- Mounting Holes Drilled & Tapped

Specify :
Model Number and Finish

400-PF1

- Mounting Holes Drilled & Countersunk

Dress Plate Frame Portion

400-PC

- For use with 400-PF1 Top Pivot
- Finishes Available:

AL- Painted Satin Aluminum
DU- Painted Storefront Bronze
Specify: Model Number and Finish

Door Portion Top Pivot

400-PD

SEE SS PIVOT/PIVOT SETS CROSSOVER REFERENCE CHART ON PAGE 148

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STAINLESS STEEL INTERMEDIATE PIVOT SETS

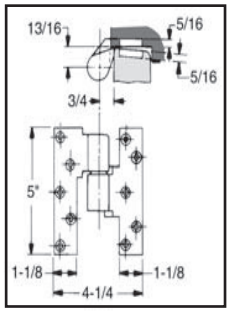
INTERMEDIATE PIVOTS

PIVOT SETS

MADE IN USA

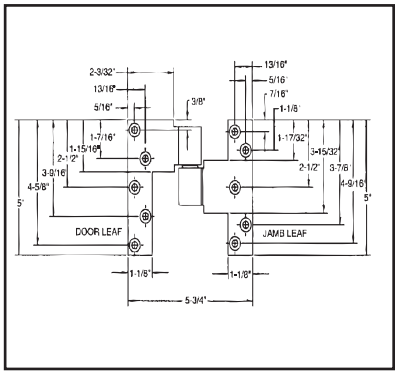
Intermediate pivots are used to keep doors in alignment. All intermediate pivots are offset hung and cannot be used on center hung doors. Per NFPA 80, fire doors are to have an intermediate pivot for additional support at 30" or fraction thereof for door heights over 6'. Available in most architectural finishes.

019



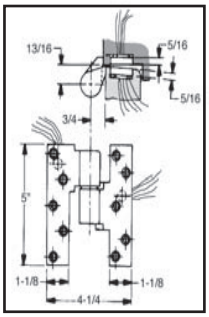
- 3/4" offset, handed
- Full mortise
- Needle bearing supplied standard. Can be used on heavy duty doors
- US32D models listed for use on labeled doors
- BHMA/ANSI C07321/3525

019 x 1 1/2



- 1-1/2" offset, handed
- Full mortise
- Needle bearing supplied standard can be used on heavy duty doors
- US32D models listed for use on labeled doors
- BHMA/ANSI C07321

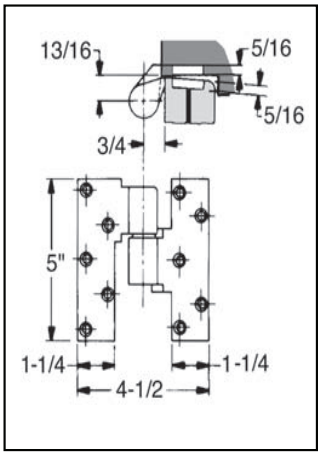
E019



- Intermediate Pivot
- For Power Transfer
- 3/4" offset, handed
- Full Mortise
- Can be used on heavy duty doors
- US32D models listed for use on labeled door
- (8) 28ga. wires supplied standard*
- Door and jamb portions are factory assembled

*Pivot cannot be separated for installation

L019



- Intermediate Pivot
- For 1-3/4" lead lined doors
- 3/4" offset, handed
- Full mortise
- Needle bearing supplied standard
- US32D models listed for use on labeled doors
- BHMA/ANSI C07311

SEE SS PIVOT/PIVOT SETS CROSSOVER REFERENCE CHART ON PAGE 148

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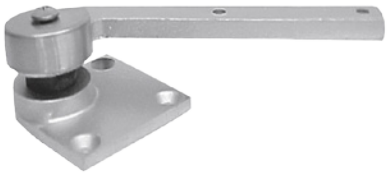
OFFSET PIVOT SETS

PIVOT SETS

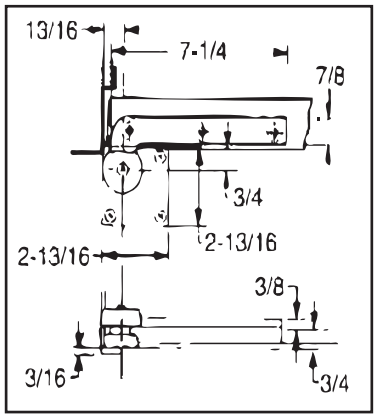
MADE IN USA

Pivot sets include top and bottom pivots. Offset pivot sets are handed and require an intermediate pivot to accommodate the door weights listed for each set. Door edges must be beveled 1/8" in 2". All sets are available in standard architectural finishes.

0117

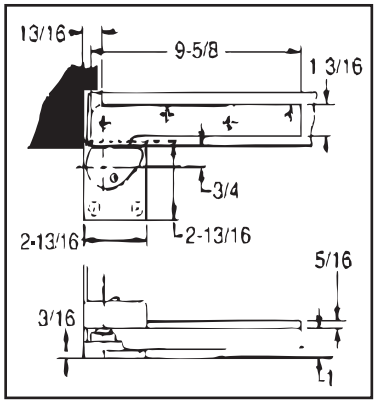


- 3/4" offset
- For interior doors up to 4'0" x 8'0"
- Weight to 300 lbs.
- 0180 top pivot included
- 019 intermediate pivot required
- Bottom pivot mortised into floor
- US32D models listed for use on 3 hour fire doors
- Extended spindles available
- BHMA/ANSI C07162/3530A (modified)



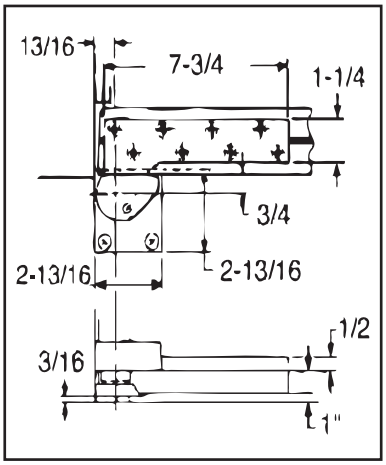
0147

- 3/4" offset
- For interior doors up to 4'0" x 8'6"
- For exterior doors up to 3'6" x 7'0"
- Weight to 600 lbs.
- 0180 top pivot included
- 019 intermediate pivot required
- Bottom pivot mounted to floor
- US32D models listed for use on 3 hour fire doors
- BHMA/ANSI C07162/3530A (modified) Extended spindles available



L0147

- 3/4" offset
- 1-3/4" lead lined doors
- For interior doors up to 4'0" x 8'0"
- Weight to 1000 lbs.
- L0180 top pivot included
- L019 intermediate pivot required
- Bottom pivot mounted to floor
- US32D models listed for use on 3 hour fire doors
- BHMA/ANSI C07162/3530A (modified)



SEE SS PIVOT/PIVOT SETS CROSSOVER REFERENCE CHART ON PAGE 148

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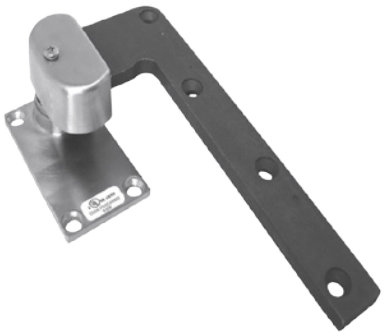
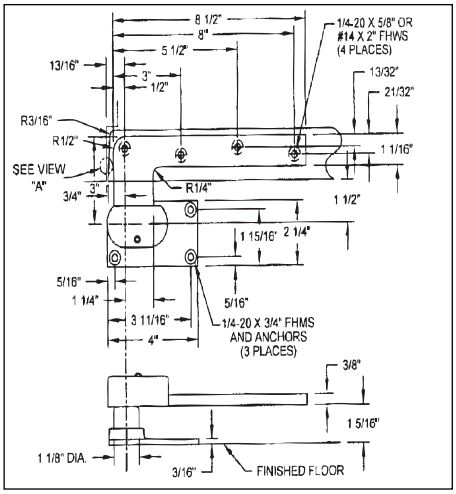
0147 x 1 1/2

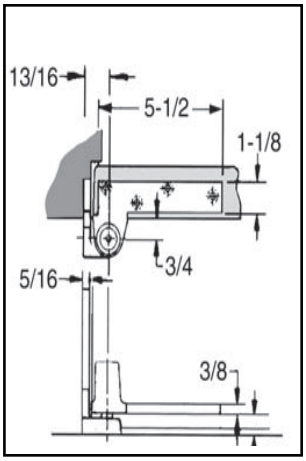


- 1 1/2" offset
- For interior doors up to 3'6"
- For exterior doors up to 3'0"
- Weight to 350 lbs.
- 0180 x 1 1/2" top pivot included
- Bottom pivot mounted to the floor
- Doors edges must be beveled 1/8" in 2"
- BHMA/ANSI C07162/3530A (modified)
- Extended spindles available
- US32D models listed for use on 3 hour fire doors



0195

- 3/4" offset
- For interior or exterior doors up to 4'0" x 8'0"
- Weight to 450 lbs .
- 0180 top pivot included
- 019 inter mediate pivot required
- Bottom pivot mortised into side jamb
- 3/16" vertical arm adjustment after installation
- BHMA/ANSI C07131/3530A (modified)
- US32D models listed for use on 3 hour fire doors



SEE SS PIVOT/PIVOT SETS CROSSOVER REFERENCE CHART ON PAGE 148

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PIVOTS

0180

- 3/4" offset
- Standard Duty

0180-1.5

- 1 1/2 " offset
- Standard Duty

L0180

- 1-3/4" lead lined door
- Heavy Duty
- 3/4" offset top pivot
- Non-handed, full mortise
- Needle bearing supplied standard.
- US32D models UL listed for use on 3 hour doors.

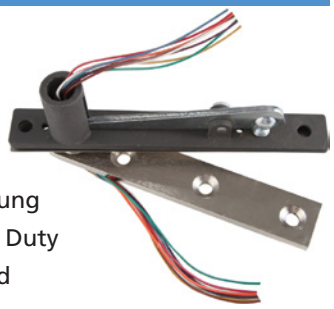
0320

- Center Hung
- Medium Duty

0321

- Center Hung
- Light Duty

E0320



- Center Hung
- Standard Duty
- Electrified

0340

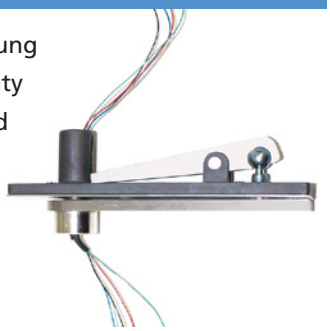
- Center Hung
- Heavy Duty

0923

- Full Surface
- Reinforcing Pivot

E0340

- Center Hung
- Heavy Duty
- Electrified
- Top Pivot



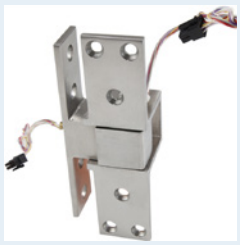
STAINLESS STEEL POCKET PIVOTS

0519

- Pocket Door Pivot

E0519

- Pocket Pivot
- Electrified



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CROSS REFERENCE CHART

PIVOT/PIVOT SETS

STAINLESS STEEL PIVOT/PIVOT SETS CROSS REFERENCE CHART			
IDC	**RIXSON**	**IVES**	**DORMA**
0117 0117.25 0147	117 117-1/4 147	7226 7212 7226	OP440 - -
0147 x 1 1/2 L0147 0195	147 x 1 1/2 1147 195	7244F x 1 1/2 7230F 7215	OP15500 OPL440 OPJ350
0127 0128	127-3/4 128-3/4	7255J -	- -
0327 03701 0180	- 370 180/H180	- 7255 7215TOP	- CP440 75120
0180 x 1 1/2 L0180 0320	180 x 1 1/2/H180 x 1 1/2 L180 320	7244FTOP 7237FTOP -	15120 75140 -
0321 0340 E0340 019	- 340 EH340 M19/M190	- 7255TOP - 7215INT	- 8062 - 75220
019 x 1 1/2 E019 L019	M19 x 1 1/2 E-M19 ML19	7244FINT 7215PT 7230FINT	15233 75200 75240
0519 E0519	F519 EF519	91105F 91105FPT	75520 -

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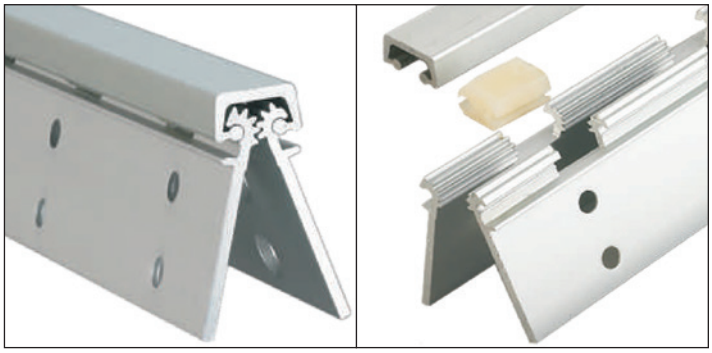
HEAVY DUTY

CONTINUOUS HINGES

ALUMINUM CONCEALED/MORTISE GEARED HINGES



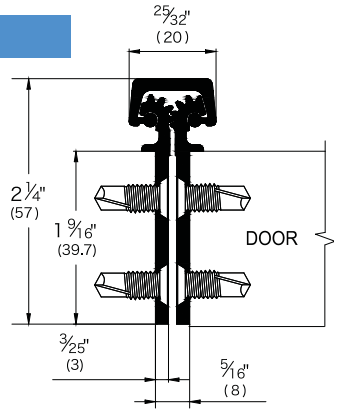
CONCEALED/MORTISE LEAF HINGES

- **Any Door Material**
- **Heavy Duty** for high frequency 1 3/4" doors or heavy medium frequency doors up to 450lbs.
- **117FM** (Heavy Duty), **217FM** (Heavy Duty)

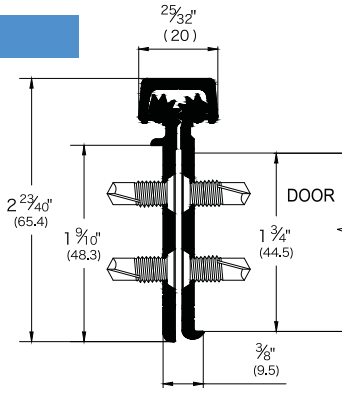
MODEL		LENGTH		SCREW COUNT		CLEARANCE
C (Clear Anodized)	D (Duro Anodized)	IN	CM	DOOR	JAMB	
117FMC-83	117FMD-83	83	210.8	19	19	5/16" (8mm) hinge side plus standard lockside clearance
117FMC-95	117FMD-95	95	241.3	21	21	
117FMC-120	117FMD-120	120	304.8	27	27	
217FMC-83	217FMD-83	83	210.8	19	19	
217FMC-95	217FMD-95	95	241.3	21	21	
217FMC-120	217FMD-120	120	304.8	27	27	
*Note: First 3 numbers = (Product #), FM = (Full Mortise), C or D = (Finish), 83, 95 & 120 = (Length)						

FASTENERS: (Self-Tapping Screws)	• All fasteners as No. 12-24 x 1/16" Type C, FHUC • Heavy Duty Hinges - 10 required for each leaf
LENGTH OPTIONS:	83", 95" & 120"
DOOR REINFORCEMENT:	• None needed to 200 lbs • Use 16 gauge channel over 200 lbs
FRAME REINFORCEMENT:	• None needed to 200 lbs • Use 16 gauge channel over 200 lbs
FIRE RATING:	Up to 3 Hours
SPECIAL FEATURES:	• For new construction • For renovation with new door and / or frames • No mortising of doors or frames required • Will cover hinge cut outs in frames • Flush mount no inset • Frame and door leaf alignment ribs for proper hinge location
STANDARD FINISHES: • C (Clear Anodized Aluminum), D (Duro Anodized Aluminum)	
SPECIAL ORDER FINISHES: • PW (Painted White), G (Gold Anodized Aluminum), BL (Black Anodized Aluminum)	

117FM



217FM



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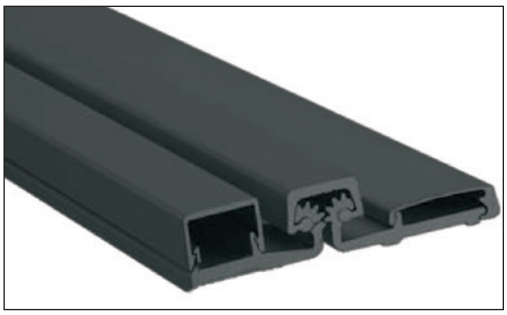
HEAVY DUTY

CONTINUOUS HINGES

ALUMINUM FULL SURFACE GEARED HINGES



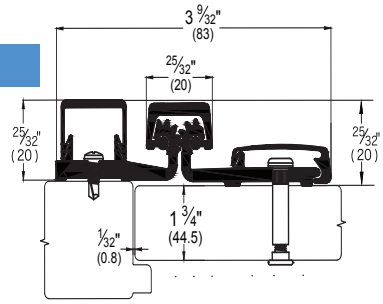
FULL SURFACE HINGES

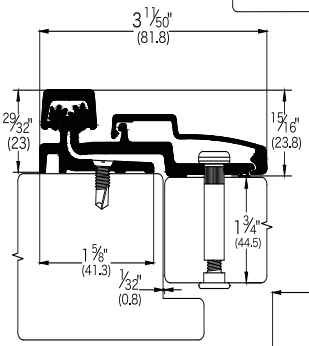
- **Any Door Material**
- **Heavy Duty** for high frequency 1 3/4" doors or heavy medium frequency doors up to 450lbs.
- **317FS** (Heavy Duty), **417FS** (Heavy Duty), **517FS** (Heavy Duty)

MODEL		LENGTH		SCREW COUNT		CLEARANCE
C (Clear Anodized)	D (Duro Anodized)	IN	CM	DOOR	JAMB	
317FSC-83	317FSD-83	83	210.8	19	19	1/32" (1mm) minimum recommended for hinge side plus standard lockside clearance
317FSC-95	317FSD-95	95	241.3	20	20	
317FSC-120	317FSD-120	120	304.8	26	26	
417FSC-83	417FSD-83	83	210.8	19	19	1/32" (1mm) minimum recommended for hinge side plus standard lockside clearance 1 5/8" (41mm) minimum frame face required plus 3/16" (5mm) rotational clearance
417FSC-95	417FSD-95	95	241.3	20	20	
417FSC-120	417FSD-120	120	304.8	26	26	
517FSC-83	517FSD-83	83	210.8	19	19	1/32" (1mm) minimum required between doors
517FSC-95	517FSD-95	95	241.3	20	20	
517FSC-120	517FSD-120	120	304.8	26	26	
*Note: First 3 numbers = (Product #), FS = (Full Surface), C or D = (Finish), 83, 95 & 120 = (Length)						

FASTENERS: (Self-Tapping Screws)	FRAME PORTION • All fasteners as No. 12-24 x 1/16" Type C, FHUC - Heavy Duty Hinges - 10 required for each leaf DOOR PORTION • Thrubolt 1/4-20 x 1 5/8" PCH - Heavy Duty Hinges - 6 required for each leaf • Shoulder bolt 1/4 - 20 x 1"PCH - Heavy Duty Hinges - 6 required • Pan Head Self Drilling No. 12 x 3/4" - Heavy Duty Hinges - 4 required
LENGTH OPTIONS:	83", 95" & 120"
DOOR REINFORCEMENT:	• None needed
FRAME REINFORCEMENT:	• None needed to 200 lbs • Use 16 gauge channel over 200 lbs
FIRE RATING:	Up to 3 Hours
SPECIAL FEATURES:	• Replacement for existing doors and frames • 7/8" minimum frame • 1/16" inset
STANDARD FINISHES: • C (Clear Anodized Aluminum), D (Duro Anodized Aluminum)	
SPECIAL ORDER FINISHES: • PW (Painted White), G (Gold Anodized Aluminum), BL (Black Anodized Aluminum)	

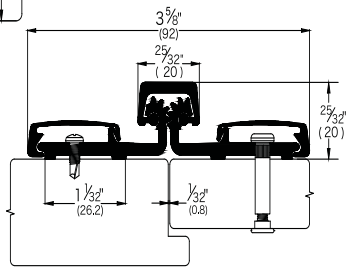
317FS





417FS

517FS



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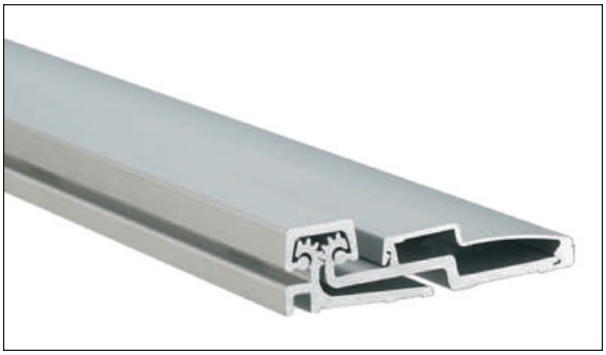
HEAVY DUTY

CONTINUOUS HINGES

ALUMINUM HALF SURFACE GEARED HINGES



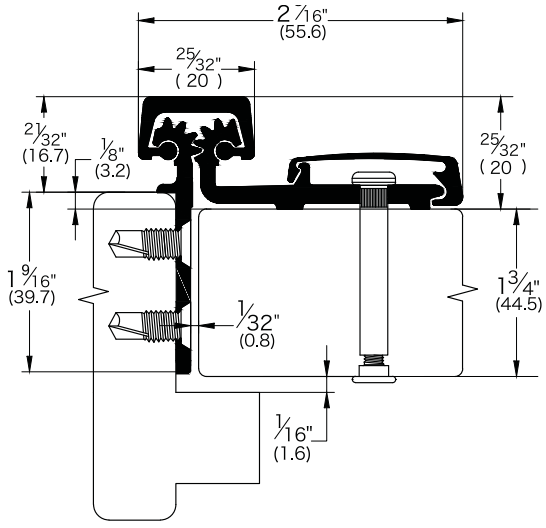
HALF SURFACE HINGES

- **Any Door Material**
- **Heavy Duty** for high frequency 1 3/4" doors or heavy medium frequency doors up to 450lbs.
- **617HS** (Heavy Duty)

MODEL		LENGTH		SCREW COUNT		CLEARANCE
C (Clear Anodized)	D (Duro Anodized)	IN	CM	DOOR	JAMB	
617HSC-83	617HSD-83	83	210.8	19	19	5/16" (8mm) hinge side plus standard lockside clearance
617HSC-95	617HSD-95	95	241.3	20	20	
617HSC-120	617HSD-120	120	304.8	26	26	
*Note: First 3 numbers = (Product #), FS = (Half Surface), C or D = (Finish), 83, 95 & 120 = (Length)						

FASTENERS: (Self-Tapping Screws)	FRAME PORTION • All fasteners as No. 12-24 x 1/16" Type C, FHUC - Heavy Duty Hinges - 10 required for each leaf DOOR PORTION • Thrubolt 1/4-20 x 1 5/8" PCH - Heavy Duty Hinges - 6 required for each leaf • Shoulder bolt 1/4 - 20 x 1"PCH - Heavy Duty Hinges - 6 required • Pan Head Self Drilling No. 12 x 3/4" - Heavy Duty Hinges - 4 required
LENGTH OPTIONS:	83", 95" & 120"
DOOR REINFORCEMENT:	• None needed
FRAME REINFORCEMENT:	• None needed to 200 lbs • Use 16 gauge channel over 200 lbs
FIRE RATING:	Up to 3 Hours
SPECIAL FEATURES:	• For new construction • For renovation with new door and / or frames • No mortising of doors or frames required • Will cover hinge cut outs in frames • Flush mount no inset • Frame and door leaf alignment ribs for proper hinge location
STANDARD FINISHES: • C (Clear Anodized Aluminum), D (Duro Anodized Aluminum)	
SPECIAL ORDER FINISHES: • PW (Painted White), G (Gold Anodized Aluminum), BL (Black Anodized Aluminum)	

617HS



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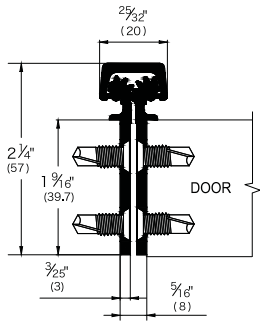
CROSS REFERENCE CHART

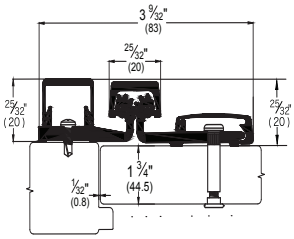
CONTINUOUS GEAR HINGES

CONTINUOUS GEAR HINGES CROSS REFERENCE CHART							
TYPE	IDC	ROTON	SELECT	PEMKO	MCKINNEY	STANLEY	IVES
Full Concealed	117FM	780-111HD	SL11SD/HD	FMSLFHD	MCK-12-HD	661HD	112HD
Full Concealed Mortise Leaf	217FM	780-124HD	SL24SD/HD	FMHD	MCK-25HD	662HD	224HD
Full Surface	317FS	780-157HD	SL57SD/HD	FSCPHD	MCK-58HD	664HD	157XY
Full Surface	417FS	780-210HD	SL21SD/HD	FSHD	-	665HD	210XY
Full Surface	517FS	780-057HD	-	-	-	-	936HD
Half Surface	617HS	780-053HD	SL54HD	HSHD	MCK-54HD	663HD	054XY

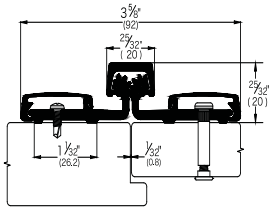
117FM



317FS



517FS



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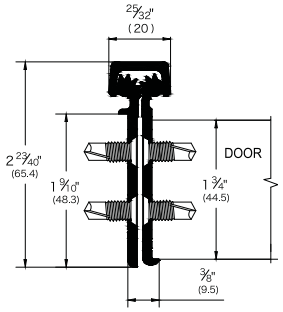

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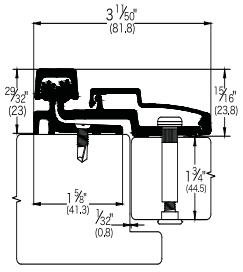
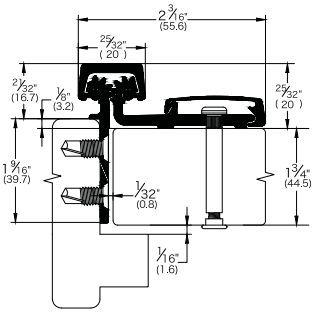


617HS



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STAINLESS STEEL CONTINUOUS HINGES

MADE IN USA

IDC stainless steel hinges are full height piano hinges that provide support for the full height of the door.

- For doors up to 600 lbs.
- 4'0" maximum door width
- Hinge leafs are 14 Ga., 304 stainless steel
- Pin is 1/4 diameter 304 stainless steel, barrel .438 diameter
- Knuckles are 2" long with Delrin TM bearings between each
- Hinges -Nominal Sizes 7' (83-1/8"), 8' (95") & 10' (118-3/4") are non-handed. 6'8" (78-3/4") & 7'2" (85") are handed
- Special lengths available
- Standard finish-US32D

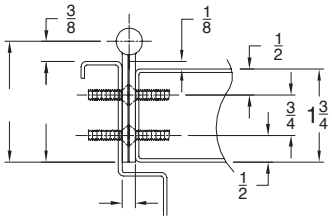
All dimensions in ( ) are actual hinge lenghts.

- Self-drilling screws standard, security screws available (wood or machine)

- Fire Rating-UL and ULC fire Listed
  - 3 hours-hollow metal door
  - 90 min.-hollow metal and composite core wood fire door
  - 20 min.-wood door
- Custom Cutouts available

IDCA500 EDGE MOUNT CONCEALED

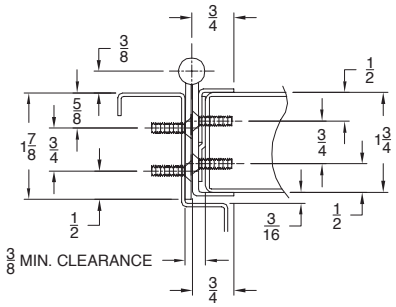
- For beveled or square edged doors
- For 1-3/4" doors
- For high traffic, high abuse doors
- Heavy-duty 14 Gauge 304 Stainless Steel
- US32D Satin Stainless Steel
- No exposed fasteners when door is closed
- Self drilling screws
- Supports door weights up to 600 lbs. 4'0" Maximum door width
- Electrical modifications available
- UL & ULC fire listed



IDCA500 Full Concealed Edge Mount

IDCA505 EDGE GUARD

- Concealed
- For square edged doors
- For 1-3/4" doors
- For high traffic, high abuse doors
- Heavy-Duty 14 Gauge 304 Stainless Steel
- US32D Satin Stainless Steel
- No exposed fasteners when door is closed
- Self drilling screws
- Supports door weights up to 600 lbs.
- 4'0" Maximum door width
- Door edge lip on both faces of door
- Protects door edge
- Adjustable to accommodate slight variances in door thickness
- For specialty door – Use with A538CS or A538CB
- Electrical modifications available
- UL & ULC fire listed



IDCA505 Full Concealed Edge Guard

International Door Closers, Inc.

West: 800-544-4422 • East: 800-225-6737

www.intldoorclosers.com

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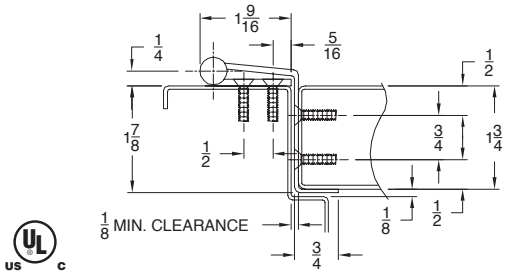
IDCA511 SWING CLEAR WITH EDGE GUARD

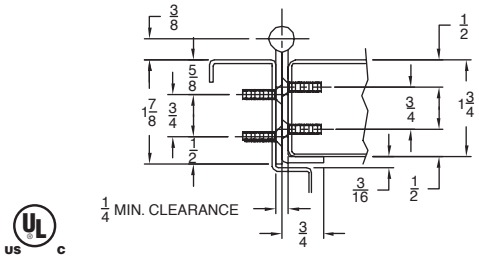
- Concealed
- Flush mount
- For square edged doors
- For 1-3/4" doors
- For high traffic, high abuse doors
- Heavy-Duty 14 Gauge 304 Stainless Steel
- US32D Satin Stainless Steel
- Door edge lip on stop side only
- Self drilling screws
- Supports door weights up to 600 lbs.
- 4'0" Maximum door width
- No exposed fasteners when door is closed
- Meets ADA requirements
- UL & ULC fire listed



IDCA511 Full Concealed Swing Clear With Edge Guard

IDCA515 WITH EDGE GUARD

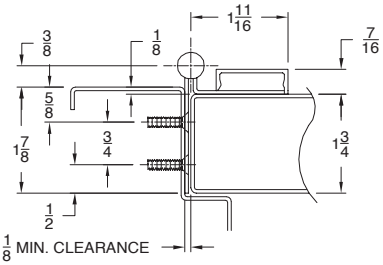
- Concealed
- F or square edged doors
- For 1-3/4" doors
- For high traffic, high abuse doors
- Heavy-Duty 14 Gauge 304 Stainless Steel
- US32D Satin Stainless Steel
- Door edge lip on stop side only
- Self drilling screws
- Supports door weights up to 600 lbs.
- 4'0" Maximum door width
- No exposed fasteners when door is closed
- UL & ULC fire listed



IDCA515 Full Concealed With Edge Guard

HALF SURFACE IDCA503 SURFACE MOUNTED DOOR LEAF

- For beveled or square edged doors
- For 1-3/4" doors
- For high traffic, high abuse doors
- Heavy-Duty 14 Gauge 304 Stainless Steel
- US32D Satin Stainless Steel
- Self drilling screws
- Supports door weights up to 600 lbs.
- 4'0" Maximum door width
- Decorative fastener cover
- Current transfer prep available (frame leaf only)
- UL & ULC fire listed



IDCA503 Half Surface

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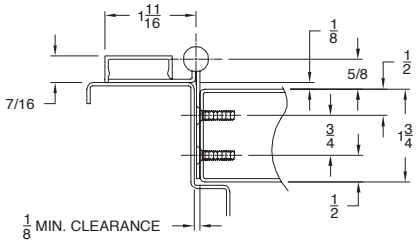
IDCA504 SURFACE MOUNTED FRAME LEAF

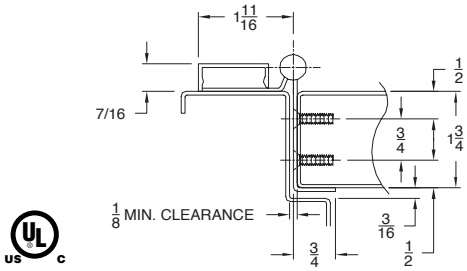
- For beveled or square edged doors
- For 1-3/4" doors
- For high traffic, high abuse doors
- Heavy-Duty 14 Gauge 304 Stainless Steel
- US32D Satin Stainless Steel
- Self drilling screws
- Supports door weights up to 600 lbs.
- 4'0" Maximum door width
- Decorative fastener cover
- Current transfer prep available (door leaf only)
- UL & ULC fire listed



IDCA504 Surface Mounted

IDCA506 WITH EDGE GUARD

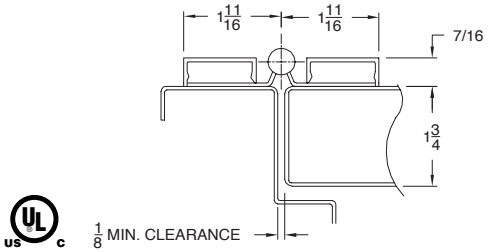
- For square edged doors
- For 1-3/4" doors
- For high traffic, high abuse doors
- Heavy-Duty 14 Gauge 304 Stainless Steel
- US32D Satin Stainless Steel
- No exposed fasteners when door is closed
- Self drilling screws
- Supports door weights up to 600 lbs.
- 4'0" Maximum door width
- Door edge lip on stop side
- Protects door edge
- Decorative fastener cover
- Current transfer prep available (door leaf only)
- UL & ULC fire listed



IDCA506 Half Surface With Edge Guard

FULL SURFACE IDCA502 FULL SURFACE/FLUSH MOUNT

- For beveled or square edged doors
- For 1-3/4" doors
- For high traffic, high abuse doors
- Heavy-Duty 14 Gauge 304 Stainless Steel
- US32D Satin Stainless Steel
- No exposed fasteners when door is closed
- Self drilling screws
- Supports door weights up to 600 lbs.
- 4'0" Maximum door width
- Decorative Fastener Covers
- UL & ULC fire listed



IDCA502 Full Surface Flush Mount

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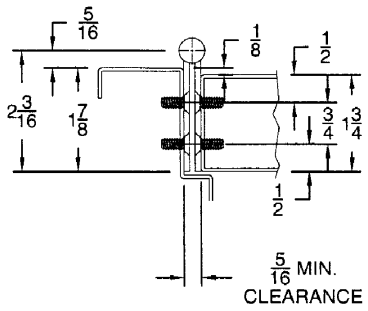
PIN AND BARREL CONTINUOUS HINGES IDCA5500

12 GAUGE STAINLESS STEEL

- Full Mortise Edge Mount
- Used on high-traffic, high-abuse doors
- Heavy-Duty 12 Gauge 304 Stainless Steel
- US32D Satin Stainless Steel
- No exposed Fasteners when door is closed
- Supplied with 12-24x1/2 Phillips Undercut Flat Head Machine Screw S.S.
- Supports door weights up to 900 lbs.
- 4′-0″ Maximum door width
- Nominal Sizes 7′, 8′ & 10′ are non-handed
- 6′8″ & 7′2″ are handed hinges
- 1/4″ diameter stainless steel pin
- Electrical modifications available



STAINLESS STEEL POWER TRANSFER HINGES

CONCEALED THRU WIRE

- For all full concealed models (except A511)
- TW2 - (2) 18ga. wire 1 location
- TW4 - (4) 28ga. wire 1 location
- TW8 - (8) 28ga. wire (2) - 4 wire locations
- For all full concealed models add suffix TW2, TW4 or TW8
- Call factory or go on-line for order form

MOVEABLE

- Cut to allow access for TW, CT, ES and AMS wiring between hinge and frame or door
- For all full concealed models (except A511)
- Add suffix M

CONTINUOUS HINGE MODIFICATIONS

- Special Lengths-Indicate Handing
- Hospital Tip-Suffix HT
- Dutch Door Prep-Suffix DD, indicate handing, clearances, door and frame heights
- Blank-No holes for special applications
- Standard Edge Guard Cutout 4-7/8′ ASA Strike 161 Latch 86 Mortise Manual Flush Bolt Automatic Flush Bolt
- Security Stud-Suffix SS, stainless steel studs mounted to frame leaf. Corresponding holes drilled in door leaf. Special prep required for frame and. door
- Sheared Leaf-Suffix SL for narrow door thickness. Specify distance from pin centerline to heel edge of hinge.
- Custom Hole Pattern-Suffix CH, any hole dimension or pattern other than IDC standard. Indicate hole size and dimensions.

ELECTRICAL MODIFICATIONS

- Concealed Power Tansfer-Suffix TW2, TW4 or TW8
- Power Transfer Contact Switch- uffix CT-4 or CT-8, for 16 amp surge current, 1/4 -20 screws posts to accommodate any gauge wire, no wire furnished.
- Lead-Lined Cover-Suffix LL for surface mount only.
- Current Transfer Prep-Suffix PT, indicate position and handing
- Electric Power Transfer-PT105 (11.5″) or PT180 (20.0″). Does not include hinge, hinge power transfer prep or Security bracket (PTS).
- Exposed Monitoring Switch-Suffix ES available in A500, A503, A504, A505 & A515.
- Adjustable Monitoring Switch-Suffix AMS.

Contact factory or go on-line for order forms for electrical modifications or standard/custom cutouts.

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CROSS REFERENCE CHART

STAINLESS STEEL HINGES

STAINLESS STEEL HINGE CROSS REFERENCE CHART				
IDC	MARKAR	HAGER	STANLEY	IVES
IDCA500 IDCA502 IDCA503	FM300 FS302 HS303	790-900 - 790-903	651HD 657HD -	700 702 703
IDCA504 IDCA505 IDCA506	HM304 HG305 HG306	790-904 790-905 -	- 652HD 655HD	704 705 -
IDCA511 IDCA515	HG311 HG315	- 790-915	656HD 655HD	711 715
IDCA528S IDCA528B IDCA538CS	EG308 EH308 EG-C-308	- - -	EG1 EG1B EG2	- - -
IDCA538CB IDCA548TS IDCA548TB	EG-C-308 EG-T-308 EG-T-308	- - -	EG2B EG3 EG3B	- - -
IDCA550	FM3500	-	-	-

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HEAVY DUTY

EDGE GUARDS

STAINLESS STEEL

IDCA528 Edge Guard with 1 Lip Only

IDCA538C Full Edge Guard

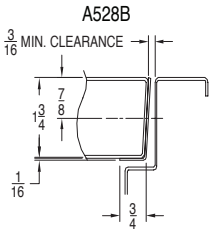
IDCA548T Full Edge Guard With Astragal

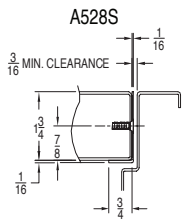
DOOR EDGE GUARDS

- Standard lengths 78-3/4", 83-1/8", 85", 96", 118-3/4"
- Special lengths available
- For bevel edge door (Suffix B) or square edge door (Suffix S)
- For 1-3/4" door
- Material 16 Gauge, 304 Stainless Steel
- For high traffic, high abuse doors
- Standard cutouts available
- Custom Cut-outs available as required
- Non-handed (except with cutouts)

IDCA528 EDGE GUARD

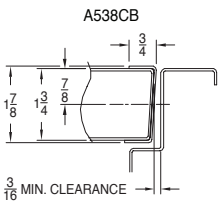
- 3/4" door edge lip, one side
- Bevel and square edge available

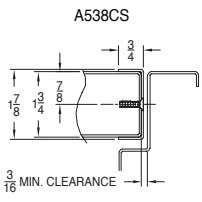




IDCA538C EDGE GUARD

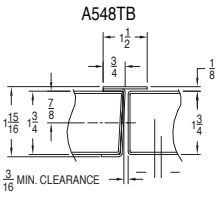
- 3/4" door edge lip, both sides
- Bevel and square edge available

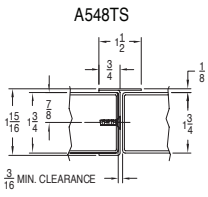




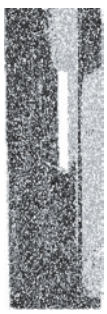
IDCA548T EDGE GUARD WITH ASTRAGAL

- 3/4" door edge lip, both sides with astragal one side
- Bevel and square edge available





STANDARD CUTOUTS



161 Latch

86 Mortise

4-7/8" ASA Strike

- Other cutouts or order forms available online (www.intldoorclosers.com) or contact factory

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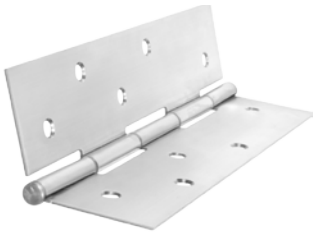
ARCHITECTURAL HINGES



FULL MORTISE BALL BEARING HINGES

Standard Weight

IDCBB814545US26D	5 Knuckle Ball Bearing 4.5 x 4.5 Steel Hinge, Dull Chrome
IDCBB814545US10B	5 Knuckle Ball Bearing 4.5 x 4.5 Steel Hinge, Oil Rubbed Bronze
IDCBB514545US32D	5 Knuckle Ball Bearing 4.5 x 4.5 Stainless Steel Hinge
IDCBB814540689	5 Knuckle Ball Bearing 4.5 x 4.0 Hinge, Aluminum Powder Coat
IDCBB814540695	5 Knuckle Ball Bearing 4.5 x 4.0 Hinge, Dark Bronze Powder
IDCBB814540800	5 Knuckle Ball Bearing 4.5 x 4.0 Hinge, Black Powder Coat

Heavy Weight

IDC4B814545US26D	5 Knuckle Ball Bearing 4.5 x 4.5 Steel Hinge, Dull Chrome
IDC4B814545US10B	5 Knuckle Ball Bearing 4.5 x 4.5 Steel Hinge, Oil Rubbed Bronze
IDC4B814545US32D	5 Knuckle Ball Bearing 4.5 x 4.5 Stainless Steel Hinge

FULL MORTISE SPRING HINGES

IDCSP814545US26D	Spring Hinge 4.5 x 4.5 Steel Hinge, Dull Chrome
IDCSP814545US10B	Spring Hinge 4.5 x 4.5 Steel Hinge, Oil Rubbed Bronze

FULL MORTISE SWING CLEAR BALL BEARING HINGES

IDCSCBB814545US26D	Swing Clear 4.5 x 4.5 Steel Hinge, Dull Chrome
IDCSCBB814545US10B	Swing Clear 4.5 x 4.5 Steel Hinge, Oil Rubbed Bronze

IDCAHP SERIES

5 Knuckle 2 Bearing Spring Hinge

Size:

- 4.0”x4.0”
- 4.5”x4.0”
- 4.5”x4.5”
- 5.0”x5.0”
- Other specs are available.

- Finishes Available:
  US3, US4, US10, US10B, US26, US26D, US32, US32D, White, etc.
- Options:
  NRP (Non-Removable Pin)

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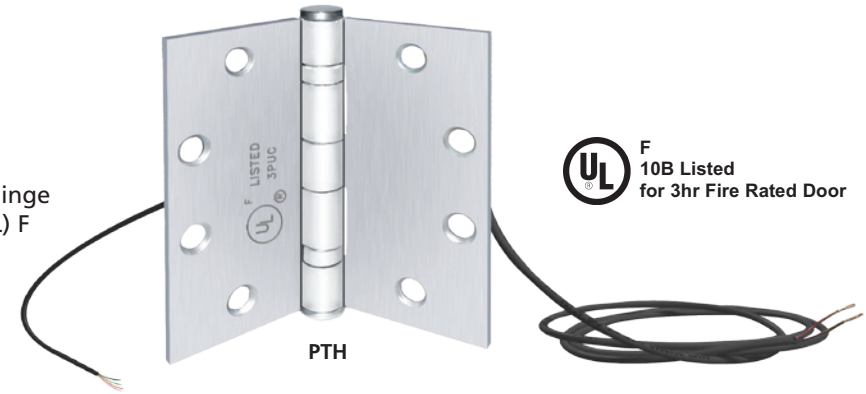
ELECTRIC POWER HINGE WITH CONCEALED WIRES

PTH HINGE

POWER TRANSFER

PTH Power Transfer Hinge

- UL10B listed for 3Hr fire rated doors. If the hinge you are presently using does not bear the (UL) F mark, it is not listed for use with fire doors.
- Wire replacement warranty



PTH

F
10B Listed
for 3hr Fire Rated Door

Applications

Installed in the center hinge position of the door, PTH Power Transfer Hinges provide the concealed wires required between the door and the frame, for the purpose of powering and monitoring electric door hardware.

- Electric Lock Power and Control
- Door and Lock Status Signaling
- Request-to-Exit Signaling

Electric Power Transfer Device

- IDC's heavy duty Electric Power Transfer Device provides a concealed and secure means of transferring electric lock and exit device power and signal wires from the frame to the door.
- Completely concealed when the door is closed.
- The PTD Electric Power Transfer Device is ideal for heavy traffic and applications requiring higher security to inhibit tampering and abuse.

PTD

Model

PTH-2+4	16 Amp Inrush, 6 conductor power transfer hinge 1-pair 16 Amp inrush, 4 Amp continuous; 2-pair 1 Amp @ 12/24V 4.5" x 4.5" standard weight 626 Dull Chrome finish
PTH-4	Four (4) Conductor Power Transfer Hinge 1 Amp @ 12/24V per pair 4.5" x 4.5" standard weight
PTH-10	Ten (10) Conductor Power Transfer Hinge 1 Amp @ 12/24V per pair 4.5" x 4.5" standard weight

Finish

All base material, steel.
626 Dull Chrome (*standard*)
605 Bright Brass
613 Oil Rubbed Bronze
625 Bright Chrome

Options

PTH hinge with door position switch

DPS Concealed Door Position Switch
SPDT, 250mA @ 30VDC
Consult factory for 3 knuckle, and special size

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DH-6000

- Features
- Zinc Alloy Construction
- Non-Marking Rubber Tip
- 7" Body Height
- Mounting Screws Included:
  (2) #10 x 1-1/2" Flat Head Wood / Sheet Metal Screws
  (1) #10 x 1/2" Flat Head Wood / Sheet Metal Screws
  (2) #10 x 1-1/2" Self Drilling / Self Tapping Screws
  (1) #10 x 1/2" Self Drilling / Self Tapping Screws
- Weight 1lb.
- Finishes Available:
- AL - Aluminum
- DU- Storefront Bronze

DH-6000-TIP

- Replacement Rubber Tip

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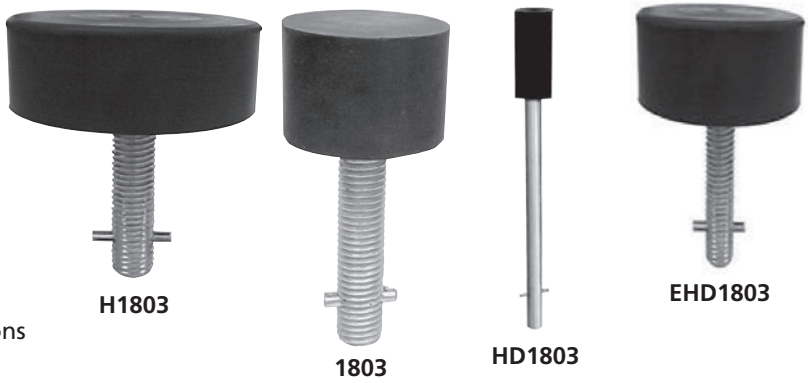
DOOR STOPS

1801 APPLIED STOP

- For use with single or double doors without stops
- Available in all BHMA finishes
- Supplied with machine & woodscrews

1803 FLOOR STOPS

1803	2"diameter x 1-3/8"high bumper rod 5/8"diameter x 3"long
H1803	4"diameter x 1-3/8"high bumper rod 5/8"diameter x 3"long
HD1803	Bumper diameter x height as required rod 1-1/4"diameter x 18"long
EHD1803	3-1/4"diameter x 2"high bum For use in high abuse areas



- Ideal for correctional facilities, schools and institutions
- No exposed fasteners
- Installed with quick set cement

1803HO FLOOR STOP & HOLDER

- Ideal for high abuse installations like schools, heavy doors and correctional facilities.
- Installed with quick set cement
- Door is hooked to portion with a stainless steel hook

1804 PIPE STOP & HOLDER

- Heavy duty construction for use in schools, institutions and correctional facilities
- All stainless steel components with rubber bumper
- The rubber bumper on the door hits the portion when used as a stop
- Door is hooked to portion with stainless steel hook when used as holder
- Floor portion secured in cement
- Door portion - installed with (4) #8 x 1-1/4"screws (supplied standard), sex bolts optional
- Floor portion is solid 1"diameter x 1'long stainless steel rod

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OVERHEAD DOOR HOLDERS & STOPS

MADE IN USA

All Overhead Holders/Stops meet ANSI 156.8. Available in all BHMA finishes. When ordering, indicate model number, conflicting hardware, mounting means of the door, door frame opening, thickness of door and finish. N SERIES Overhead Holders/Stops contain all stainless steel components.

1000 SERIES

- For exterior, vestibule or interior single or double acting door
- All stainless steel components
- Prefix N
- Hold-open knob can be disengaged to act as a stop only
- Maximum door opening 110° , minimum door thickness 1-3/4”

HEAVY DUTY - CONCEALED

DOOR FRAME OPENING		HOLDER NUMBER		
BUTTS OFFSET PIVOTS	CENTER HUNG	HOLD OPEN	STOP	FRICTION
27” - 29 15/16”	30” - 32 15/16”	1011	1021	1031
30” - 35 15/16”	33” - 38 15/16”	1012	1022	1032
36” - 39 15/16”	39” - 42 15/16”	1013	1023	1033
40” - 43 15/16”	43” - 46 15/16”	1014	1024	1034
44” + GREATER	47” + GREATER	1015	1025	1035
BHMA NUMBER		C01511	C01541	C01531
FED. SPEC TYPE		1160	—	

1000 SERIES ADJ ADJUSTABLE

- For exterior, vestibule or interior single or double acting door
- All stainless steel components
- Prefix N
- Single point hold-open is field adjustable from 85° to 110°
- Hold-open knob can be disengaged to act as a stop only
- Maximum door opening 110° , minimum door thickness 1-3/4”

HEAVY DUTY - CONCEALED

DOOR FRAME OPENING	HOLDER NUMBER		
BUTTS OFFSET PIVOTS	HOLD OPEN	STOP	FRICTION
27” - 29 15/16”	1011A	1021A	1031A
30” - 35 15/16”	1012A	1022A	1032A
36” - 39 15/16”	1013A	1023A	1033A
40” - 43 15/16”	1014A	1024A	1034A
44” + GREATER	1015A	1025A	1035A
BHMA NUMBER	C01511	C01541	C01531
FED. SPEC TYPE	1160	—	

1000SL SERIES SLIM LINE

- For exterior, vestibule or interior single or double acting door
- All stainless steel components
- Prefix N (Stop Only)
- 3/4” maximum channel depth
- Maximum door opening 110°, minimum door thickness 1-3/4”

HEAVY DUTY - CONCEALED

DOOR FRAME OPENING		HOLDER NUMBER	
BUTTS OFFSET PIVOTS	CENTER HUNG	HOLD OPEN	STOP
27” - 29 15/16”	30” - 32 15/16”	1011SL	1021SL
30” - 35 15/16”	33” - 38 15/16”	1012SL	1022SL
36” - 39 15/16”	39” - 42 15/16”	1013SL	1023SL
40” - 43 15/16”	43” - 46 15/16”	1014SL	1024SL
44” + GREATER	47” + GREATER	1015SL	1025SL
BHMA NUMBER		C01511	C01541
FED. SPEC TYPE		1160	—

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1000SL SERIES ADJ SLIM LINE

- For exterior, vestibule or interior single or double acting door
- 3/4" maximum channel depth
- Maximum door opening 110° , minimum door thickness 1-3/4"
- Single point hold-open is field adjustable from 85° to 110°

HEAVY DUTY - CONCEALED

DOOR FRAME OPENING	HOLDER NUMBER	
BUTTS OFFSET PIVOTS	HOLD- OPEN	STOP
27" - 29 15/16"	1011SA	1021SA
30" - 35 15/16"	1012SA	1022SA
36" - 39 15/16"	1013SA	1023SA
40" - 43 15/16"	1014SA	1024SA
44" + GREATER	1015SA	1025SA
BHMA NUMBER	C01511	C01541
FED. SPEC TYPE	1160	—

3300 SERIES ADJ ADJUSTABLE

- For interior, single acting doors
- All stainless steel components - Prefix N
- Single point hold-open is field adjustable from 85° to 110°
- Maximum door opening 110° , minimum door thickness 1-3/8"
- Available in all BHMA finishes

MEDIUM DUTY - SURFACE MOUNT

DOOR FRAME OPENING	HOLDER NUMBER		
BUTTS OFFSET PIVOTS	HOLD OPEN	STOP	FRICTION
24" - 2915/16"	3311A	3321A	3331A
30" - 35 15/16"	3312A	3322A	3332A
36" - 42"	3312A	3333A	3333A

3400 SERIES HOLDER/STOP

MEDIUM DUTY OVERHEAD - SURFACE MOUNT

- For doors that don't extend to the frame header
- Ideal for dressing room doors, washroom stall doors with frames
- For interior doors with existing parallel arm closers when push side holder would be in conflict with closer .
- All stainless steel components - Prefix N
- 90°, 95°, 100° degree standard door opening –
- Contact factory for other degrees of opening
- Hold open can be made inactive for stop only function
- Minimum door size 24"
- For doors mounted on butt type hinges
- US32D standard, other architectural finishes available

3500 Series PARALLEL ARM HOLDER

HEAVY DUTY - SURFACE MOUNT

- For exterior, vestibule and interior single acting doors 24"to 36"
- 180°, maximum door opening
- Adjustable hold open from 135° to 180°
- Heavy gauge steel and cast iron construction
- Handed, specify when ordering
- Requirements: 1-1/2" min. frame soffit width, 1-3/4" min. top rail, 5" max. butt hinges
- Painted finishes standard
- Auxiliary stop recommended

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4000 SERIES

- For interior single or double acting doors
- All stainless steel components - Prefix N
- Maximum door opening 110°, minimum door thickness 1-3/8”
- Hold-open can be disengaged to act as a stop only

MEDIUM DUTY - CONCEALED MOUNT

DOOR FRAME OPENING		HOLDER NUMBER		
BUTTS OFFSET PIVOTS	CENTER HUNG	HOLD OPEN	STOP	FRICTION
18” - 23 15/16”	–	4011	4021	4031
24”- 29 15/16”	–	4012	4022	4032
30” - 35 15/16”	32” - 37 15/16”	4013	4023	4033
36” - 48”	38” - 48”	4014	4024	4034
BHMA NUMBER		C04511	C04541	C04531
FED. SPEC TYPE		1166	1166A	1164

4400 SERIES

- For interior single acting doors
- All stainless steel components - Prefix N
- Hold-open can be disengaged to act as a stop only
- Maximum door opening 110°, minimum door thickness 1-3/8”

MEDIUM DUTY - SURFACE MOUNT

DOOR FRAME OPENING		HOLDER NUMBER		
BUTTS OFFSET PIVOTS	CENTER HUNG	HOLD OPEN	STOP	FRICTION
18” - 23 15/16”	22” - 27 7/16”	4411	4421	4431
24” - 29 15/16”	27 1/2”- 33 7/16”	4412	4422	4432
30” - 35 15/16”	33 1/2”-38 15/16”	4413	4423	4433
36” - 48”	39” - 48”	4414	4424	4434
BHMA NUMBER		C05511	C05541	C05531
FED. SPEC TYPE		1166	1166A	1164

7000 SERIES

- For exterior, vestibule and interior single acting doors
- For all stainless steel components, Prefix N
- Maximum door opening 110°, minimum door thickness 1-1/4”
- Wood, machine screws and grommet nuts included

HEAVY DUTY - SURFACE MOUNT

DOOR FRAME OPENING		HOLDER NUMBER	
BUTTS OFFSET PIVOTS	CENTER HUNG	HOLD OPEN	STOP
23” - 28 15/16”	24” - 31 15/16”	7010	7020
29” - 34 15/16”	32” - 38 7/16”	7011	7021
35” - 40 15/16”	38 1/2” - 44 3/16”	7012	7022
41” - 46 15/16”	44 1/4” - 50 3/16”	7013	7023
47” + Greater	50 1/4” - 60”	7014	7024
BHMA NUMBER		C08511	C08541
FED. SPEC TYPE		GJ70	GJ70

HD7000 SERIES

- Ideal for cell doors, vault doors
- Maximum door opening 110°, minimum door thickness 1-3/4”
- Wood, machine screws and sex bolts included
- For all stainless steel components, Prefix N

EXTRA HEAVY DUTY - SURFACE MOUNT - EXTRA HEAVY DUTY

DOOR FRAME OPENING		HOLDER NUMBER	
BUTTS OFFSET PIVOTS	CENTER HUNG	HOLD OPEN	STOP
224” - 29 15/16”	26” - 31 15/16”	HD7010	HD7020
30” - 35 15/16”	32” - 38 15/16”	HD7011	HD7021
36” - 39 15/16”	39” - 42 15/16”	HD7012	HD7022
40” - 47 15/16”	43” - 50 15/16”	HD7013	HD7023
48” + Greater	51” + Greater	HD7014	HD7024
BHMA NUMBER		C08511	C08541
FED. SPEC TYPE		GJ70	GJ70

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8000 SERIES

- For exterior, vestibule and interior single acting doors
- Maximum door opening 110°, minimum door thickness 1-1/4”
- Sex bolts provided for the door portion
- Available in all BHMA plated finishes and US32 & US32D

HEAVY DUTY - SURFACE MOUNT

DOOR FRAME OPENING		HOLDER NUMBER	
BUTTS OFFSET PIVOTS	CENTER HUNG	HOLD OPEN	STOP
27” - 32 7/16”	29 1/2” - 34 15/16”	8010	8020
32 1/2” - 38 11/16”	35” - 41 7/16”	8011	8021
38 3/4” - 42 7/16”	41 1/2” - 44 15/16”	8012	8022
42 1/2”+ Greater	45” + Greater	8013	8023
BHMA NUMBER		C03511	C03541
FED. SPEC TYPE		GJ80	GJ80

9000 SERIES

- For exterior, vestibule and interior single acting doors
- All stainless steel components - Prefix N
- Hold-open can be disengaged to act as a stop only
- Maximum door opening 110°, minimum door thickness 1-3/4”
- Available in all BHMA finishes including US32 & US32D

HEAVY DUTY - SURFACE MOUNT

DOOR FRAME OPENING		HOLDER NUMBER		
BUTTS OFFSET PIVOTS	CENTER HUNG	HOLD OPEN	STOP	FRICTION
28” - 29 15/16”	30” - 33 15/16”	9011	9021	9031
30” - 31 15/16”	34” - 35 15/16”	9012	9022	9032
32”- 35 15/16”	36” - 38 15/16”	9013	9023	9033
36” - 39 15/16”	39” - 40 15/16”	9014	9024	9034
40” - 41 15/16”	41” - 44 15/16”	9015	9025	9035
42” - 43 15/16”	45” - 46 15/16”	9016	9026	9036
44” + Greater	47” + Greater	9017	9027	9037
BHMA NUMBER		C02511	C02541	C02531
FED. SPEC TYPE		1161	116A	---

9000 SERIES ADJ ADJUSTABLE

- For exterior, vestibule and interior single acting doors
- For all stainless steel components, Prefix N
- Single point hold-open, field adjustable from 85° to 110°
- Hold-open can be disengaged to act as a stop only
- Maximum door opening 110°, minimum door thickness 1-3/4”
- Available in all BHMA finishes including US32 & US32D

HEAVY DUTY - SURFACE MOUNT

DOOR FRAME OPENING	HOLDER NUMBER		
BUTTS OFFSET PIVOTS	HOLD OPEN	STOP	FRICTION
28” - 31 15/16”	9011A	9021A	9031A
32” - 39 15/16”	9012A	9022A	9032A
40” - 43 1 5/16”	9013A	9023A	9033A
44” + Greater	9014A	9024A	9034A

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JAMB BRACKETS

HARDWARE REINFORCEMENTS

MADE IN USA

FRAME REINFORCEMENTS

- Hollow metal frame reinforcements for most IDC concealed overhead holder/stop jamb brackets

R4401

- Frame reinforcement for 4000 series concealed holders/stops
- Holes pre-drilled and tapped 10-32
- 3/4" wide x 1/8" thick x 7" long, zinc plate CRS
- Part is non-handed but must be installed with stamped arrow toward butt jamb

R90541

- Frame reinforcement for 1000 and 1000SL concealed overhead holders/stops
- Holes pre-drilled and tapped 1/4-20
- 1" wide x 1/8" thick x 7" long, zinc plate CRS
- Part is non-handed but must be installed with stamped arrow toward butt jamb

R4401 R90541

ANGLE JAMB BRACKETS

- Used to change standard surface mounted overhead holders to flush transom or hinge side mounted. Attaches to standard jamb bracket.
- 44443 for 4400 & 3300A
- 70377 for 7000 flush transom only
- 90541 for 8000 (hold open or stop flush transom, stop only hinge side) and 9000
- Available in all BHMA finishes

ANGLE JAMB BRACKETS

- To drop surface mounted overhead holder/stops (i.e. to clear blade stops) or to fill jamb bracket mortise when removing a concealed holder/stop
- 7000JF for 7000
- 9000JF (1/4" thick) for 1000, 1000SL, 8000, 9000, 9000A
- 4000JF (3/16" thick) for 4000, 3300A, 4400
- Available in all BHMA finishes

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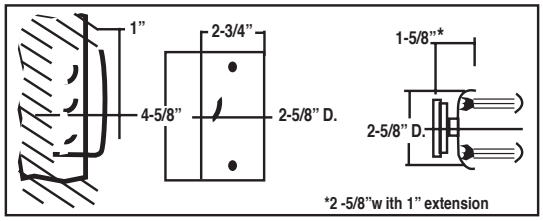
MADE IN USA

ELECTRO-MAGNETIC DOOR HOLDERS

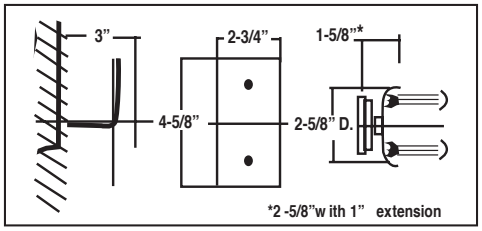
The 2000 Series Electro-magnetic Door Holders is Tri-Voltage . Each model (except 2500) can be wired 12V DC, 24V AC/DC or 120V AC. Units can be used on fire/smoke barrier doors held open until released by a remote switching device. They can also be used to just hold a door open. The armature is thru-bolted to the door for security and can be provided with any projection required. When ordering indicate, model, total projection, finish and door thickness if other than 1-3/4".

- 30-45 pound holding power (except 2500 - 300 lbs.)
- Underwriters US and Canada Listed
- California State Fire Marshal Listed
- New York City MEA
- ANSI/BHMA 156.15
- Most models available in US28, sprayed finishes and US32D
- Easy wire installation with quick insert connector
- Armature has 360° Mobility
- No Plastic Parts

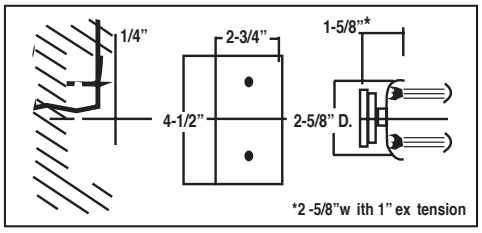
2100 RECESSED WALL MOUNT



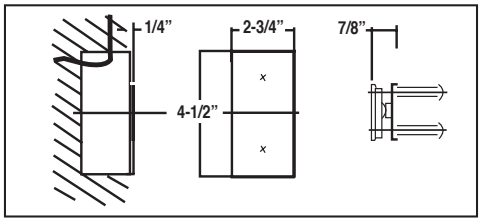
2300 SURFACE WALL MOUNT



2400 FLUSH WALL MOUNT



2400L FLUSH WALL MOUNT



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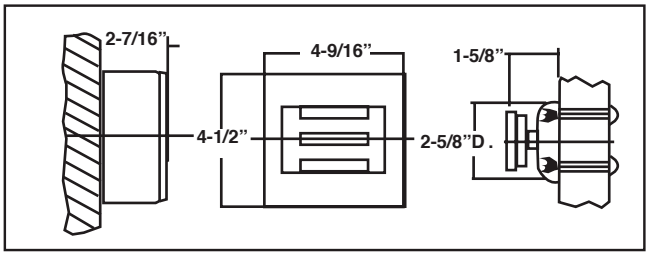
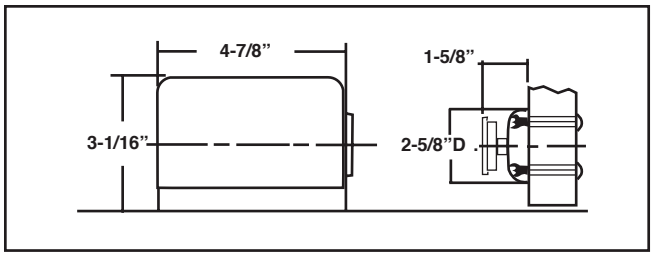
2500 SURFACE WALL MOUNTED

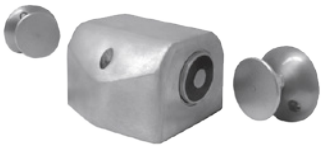
300 LBS. Holding Force 2510 - 24AC/DC

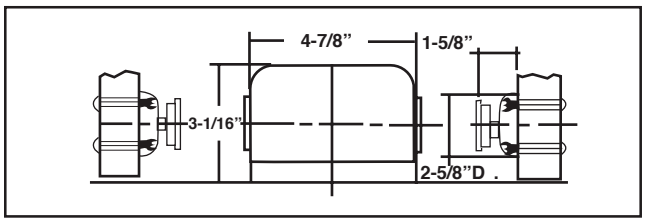


2600 SINGLE FLOOR MOUNT



2700 DOUBLE FLOOR MOUNT





ARMATURE EXTENSIONS

S20020 - Length as requested (over 10")

3/8" (20038)

1/2" (20050)

3/4" (20075)

1" (20100)

2" (20200)

4" (20400)

6" (20600)

20120
120 O Swivel
Extension

20020

PERFORMANCE DATA			
MODEL	VOLTS	mAMPS	VA
2100, 2300	12DC	60	.72
2400, 2600, 2700	24AC	30	.72
2400L	24DC	30	.72
	120AC	30	3.60
2510	24AC/DC	105	1.26

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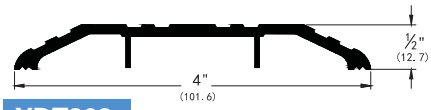
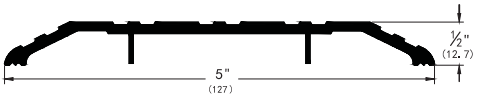
SADDLE THRESHOLDS

YDT308



YDT303

YDT309



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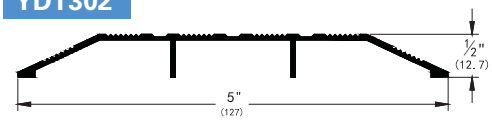

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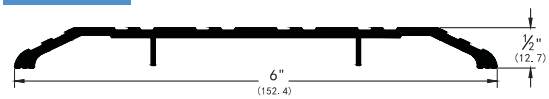

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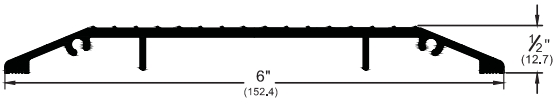

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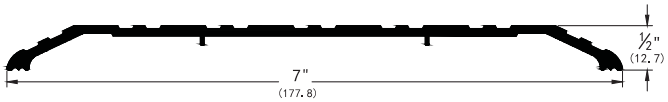

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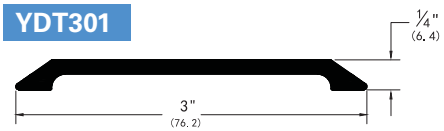

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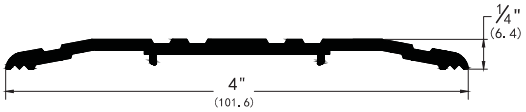

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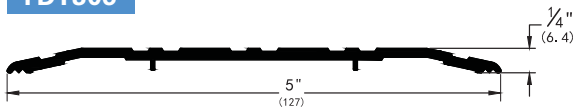

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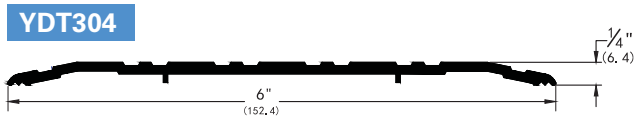

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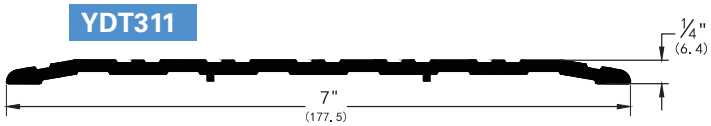

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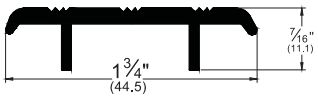

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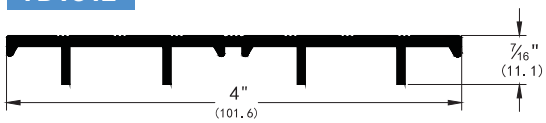
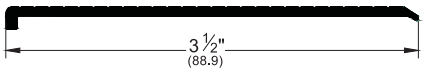


YDT316



FINISHES:

- A (Mill Finish Aluminum), C (Clear Anodized Aluminum), D (Dark Bronze Aluminum), G (Gold Anodized Aluminum),

NOTE: Products shown in this section may not be drawn to scale.

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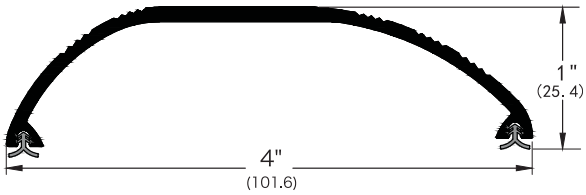
SADDLE THRESHOLDS

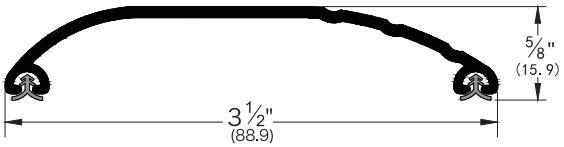
RETROFIT THRESHOLDS

- Use a door bottom shoes or sweep with these thresholds
- Made of sturdy extruded aluminum to seal out the elements

YDT103



YDT102



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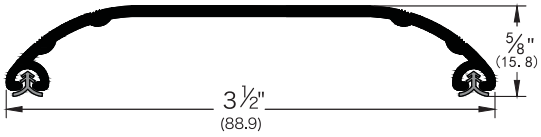
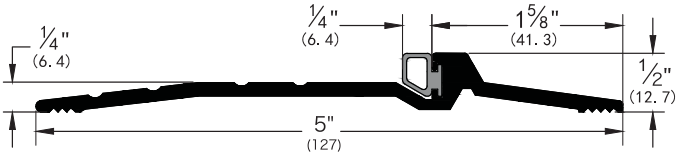


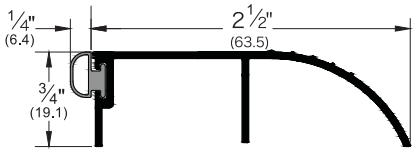
LATCHING PANIC EXIT SADDLES

YDT105

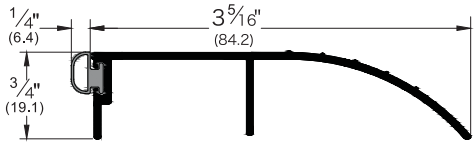


BUMP THRESHOLDS FOR OUTSWING DOORS

YDT100



YDT101



FINISHES:

- A (Mill Finish Aluminum), C (Clear Anodized Aluminum), D (Dark Bronze Aluminum), G (Gold Anodized Aluminum),

NOTE: Products shown in this section may not be drawn to scale.

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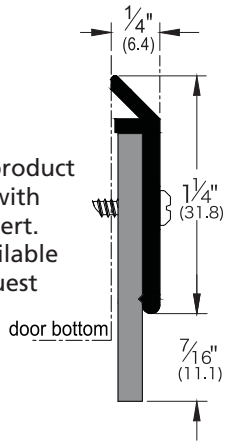
DOOR BOTTOM SWEEPS

YDB101

- Finished product supplied with BLACK insert. GRAY available upon request



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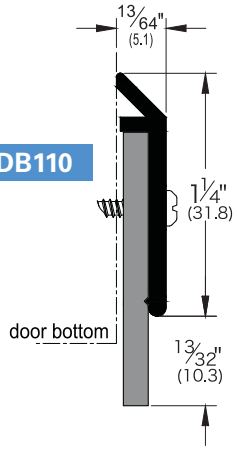

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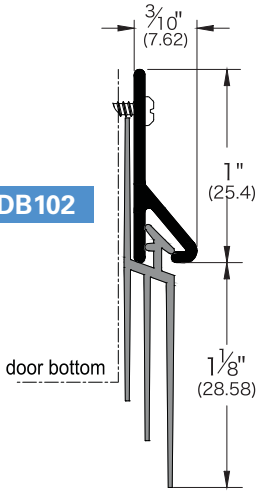

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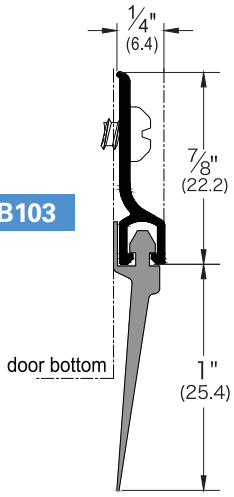

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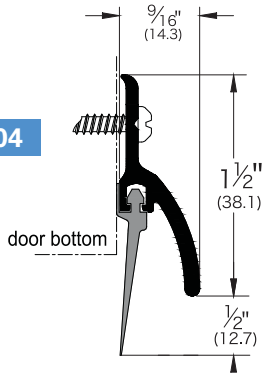

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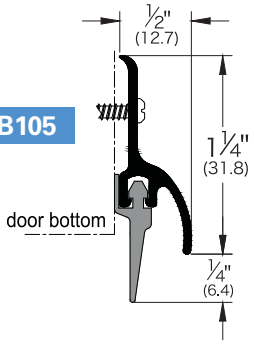

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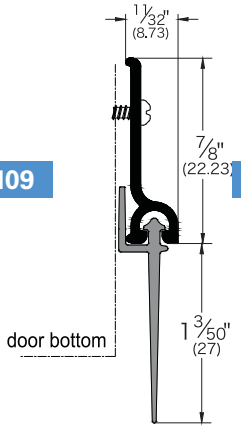

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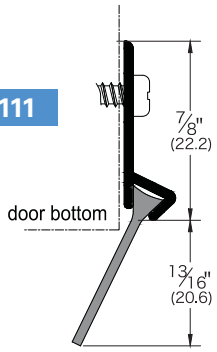
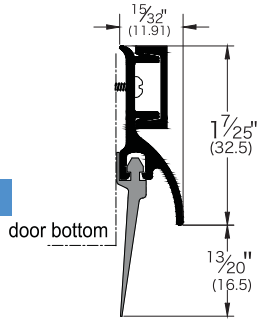
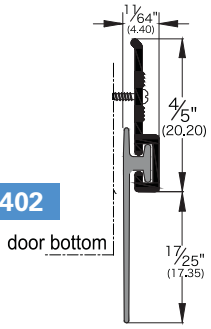


YDB201



YDB402



FINISHES:

- A (Mill Finish Aluminum), C (Clear Anodized Aluminum), D (Dark Bronze Aluminum), G (Gold Anodized Aluminum),

NOTE: Products shown in this section may not be drawn to scale.

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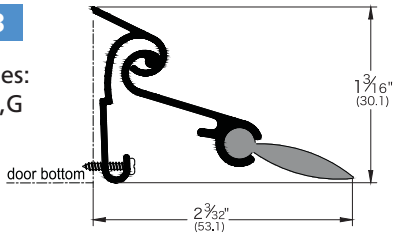
AUTOMATIC DOOR BOTTOMS

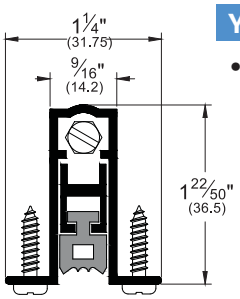
YDB108

- Finishes: A,C,D,G



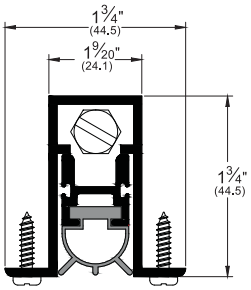
YDB301

- Finishes: A,C,D



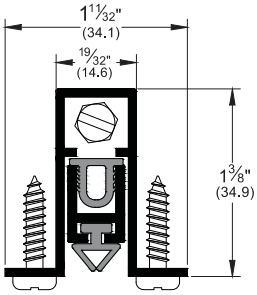
YDB303

- Finishes: A,C,D



YDB309

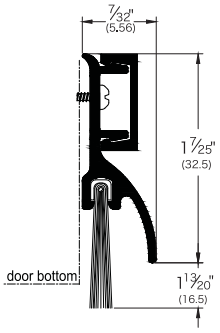
- Finishes: A,C,D



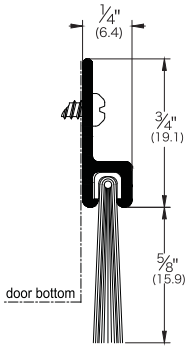
BRUSH DOOR SWEEPS

- Finishes: A,C,D,G

YDB202



YDS601



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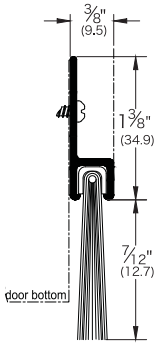

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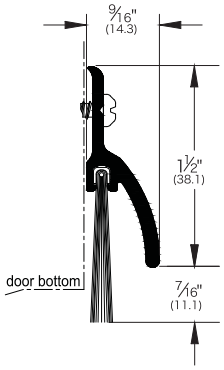

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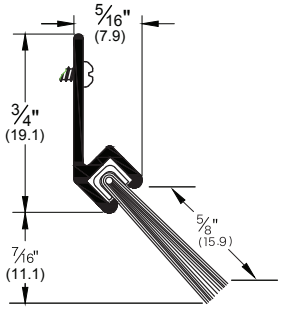

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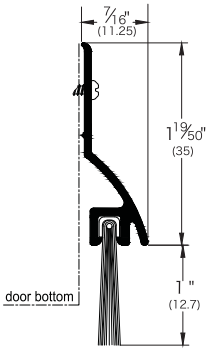
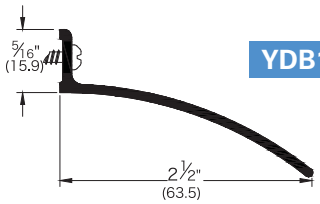


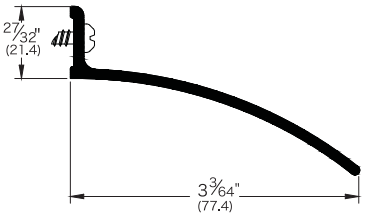
DOOR TOP WEATHERSTRIP

- Finishes: A,C,D,G

YDB106



YDB107



FINISHES:

- A (Mill Finish Aluminum), C (Clear Anodized Aluminum), D (Dark Bronze Aluminum), G (Gold Anodized Aluminum),

NOTE: Products shown in this section may not be drawn to scale.

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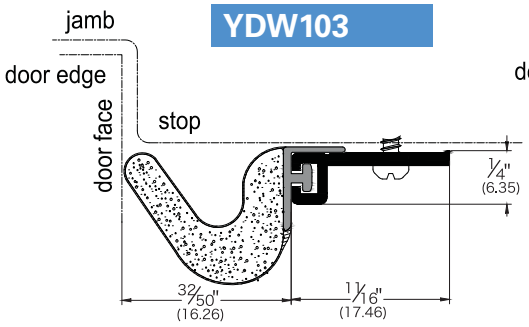
WEATHERSTRIP

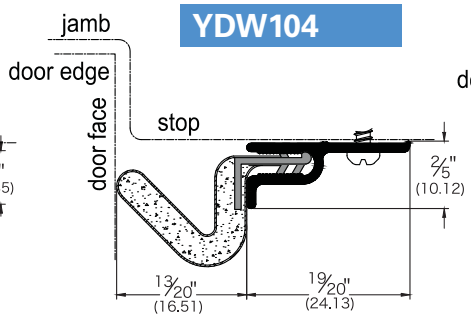
STANDARD RIGID JAMB

- Rigid jamb weatherstrip shown mounted on openings with 1/16” gaps; however, each weatherstrip can seal gaps up to the depth of its seal. Seal depth provided on each illustration (example: the YDW204 has 1/4” seal; therefore, it can seal up to a 1/4” gap)
- Punched on 6” center with slotted holes for adjustment

YDW103



YDW104



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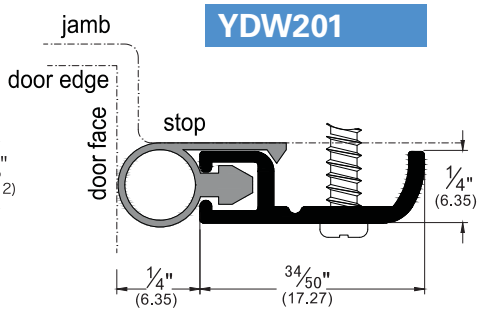

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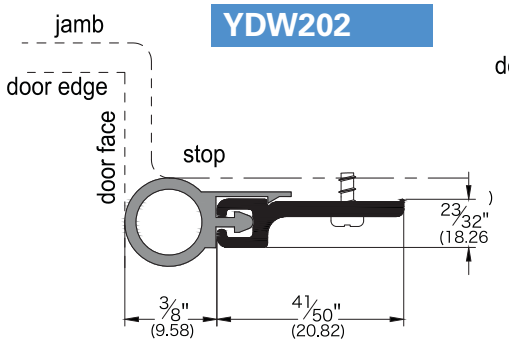

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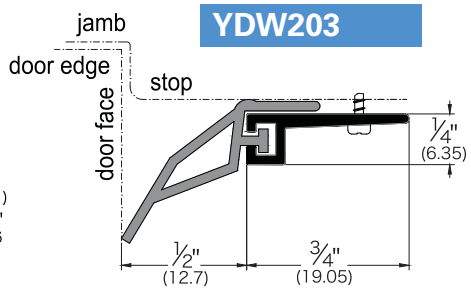
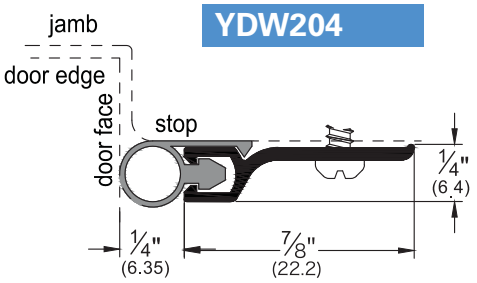


YDW204



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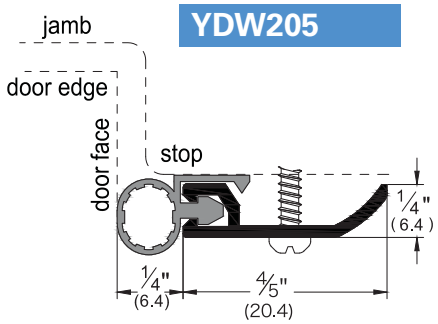

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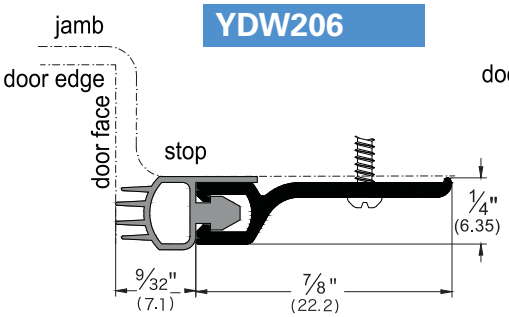

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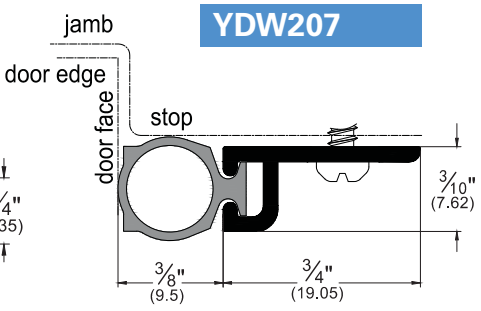

FINISHES: B (Black), C (Clear Anodized Aluminum), D (Dark Bronze Aluminum)

NOTE: Products shown in this section may not be drawn to scale.

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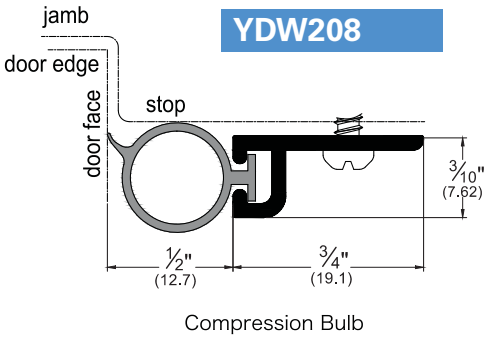
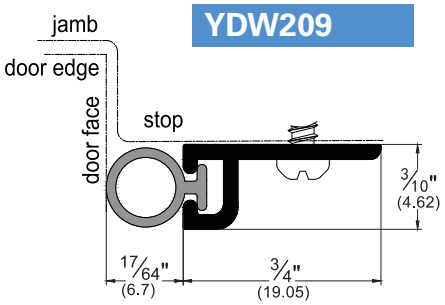
STANDARD WEATHERSTRIP (Cont.)

YDW208



Compression Bulb

YDW209



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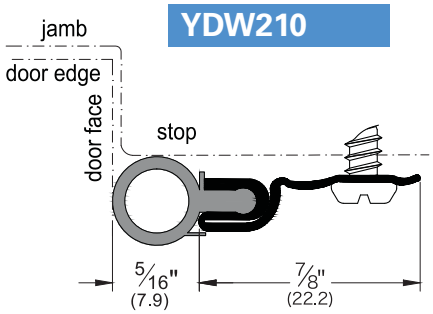

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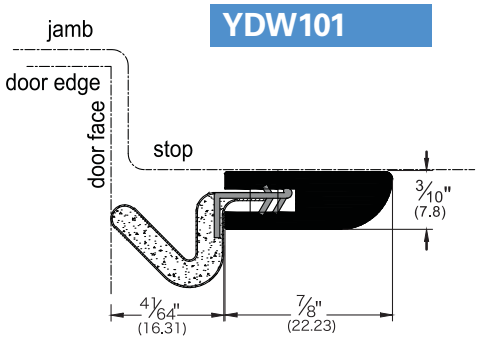

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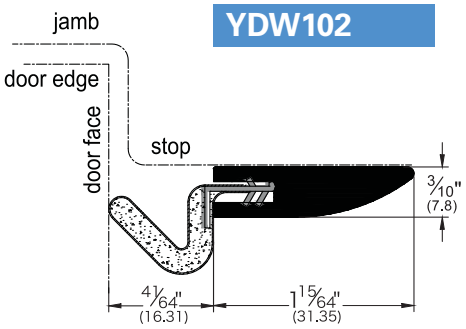


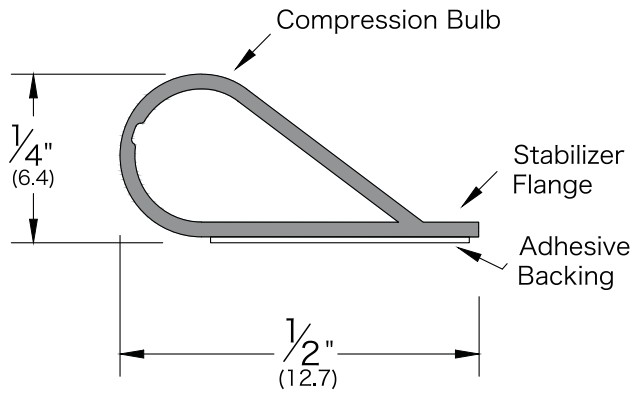
FINISHES: B (Black), C (Clear Anodized Aluminum), D (Dark Bronze Aluminum)

NOTE: Products shown in this section may not be drawn to scale.

ADHESIVE WEATHERSTRIP

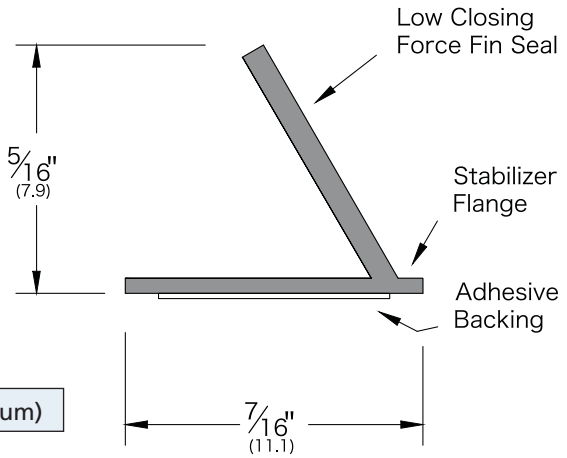
YDW100

- Available Lengths: 17',18',20',21',25',30',204',510'
- Seal begins compressing at 1/4"; compresses to seal up to a 1/16" gap



YDW105

- Available Lengths: 17',18',20',21',25',30',204',510'
- Designed for tighter frames
- Demonstrates extremely low closing force
- Seal begins compressing at 5/16"; compresses to seal up to a 1/16" gap



FINISHES: B (Black), C (Clear Anodized Aluminum), D (Dark Bronze Aluminum)

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SEDCO 59 SERIES

4 1/2" Square

PUSH PLATE SWITCHES

PRODUCT DESCRIPTION

The 59 Series push plate switches are designed to provide reliable activation of any automatic door.

The 59 Series features 4" square face plates in either stainless steel or blue powder coated alumi- num with etched and paint filled legends. A 4 1/2" square formed stainless steel back plate elimi- nates possible wall damage from standard use.

Designed as a universal switch, the 59 Series fit single-gang or 2-gang electrical boxes with no adapters necessary. A surface mount box is also available.

Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws, durable finishes and the most reliable microswitch in the industry.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

#59-H (Blue Powder Coat with White Paint Filled Legend)

#59-W (Blue Powder Coat with White Paint Filled Legend)

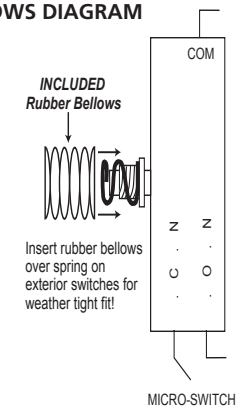
#59-P (Stainless Steel with Black Paint Filled Legend)

#59-WSS (Stainless Steel with Blue Paint Filled Legend)

#59-HSS (Stainless Steel with Blue Paint Filled Legend)

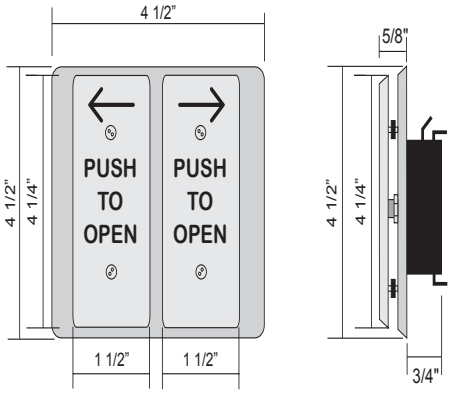
NOT SHOWN
#59-Plain (Stainless Steel with No Legend)

BELLOWS DIAGRAM



TECHNICAL DATA

- 4" x 4" All Active Face Plate
- 4 1/2" x 4 1/2" FormedStainless Steel Back Plate
- UL Listed "Cherry Switch", SPDT,Mom., 15 Amp @ 125V AC
- Rubber "Bellows" IncreasesWeather Protection (included)
- Fits single or 2-gang ElectricalBox or MS SEDCO SurfaceMount BoxRubber "Bellows" IncreasesWeather Protection (included)
- Special Finishes: US3, US4,US10, US10B, US32
- Radio Control VersionsAvailable



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SEDCO 59R4 SERIES

4 1/2" Round

PUSH PLATE SWITCHES

PRODUCT DESCRIPTION

The 59R4 Series push plate switches are designed to provide reliable activation of any automatic door.

The 59R4 Series features 4" round face plates in either stainless steel or blue powder coated aluminum with etched and paint filled legends. A 4 1/2" diameter formed stainless steel back plate eliminates possible wall damage from standard use.

Designed as a universal switch, the 59R4 Series fits single-gang electrical boxes with no adapters necessary. A surface mount box is also available.

Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws, durable finishes and the most reliable microswitch in the industry.

#59R4-H (Blue Powder Coat with White Paint Filled Legend)

#59R4-HSS (Stainless Steel with Blue Paint Filled Legend)

#59R4-P (Stainless Steel with Black Paint Filled Legend)

NOT SHOWN

#59R4-W (Blue Powder Coat with White Wheelchair)

#59R4-WSS (Stainless Steel with Blue Wheelchair)

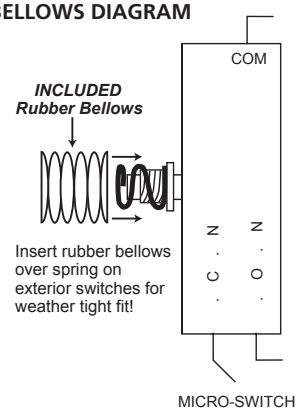
#59R4-Plain (Stainless Steel with No Legend)

American National Standards Institute (ANSI) - Building Hardware ManufacturersAssociation (BHMA) - ANSI/ BHMA A156.10 & A156.19.

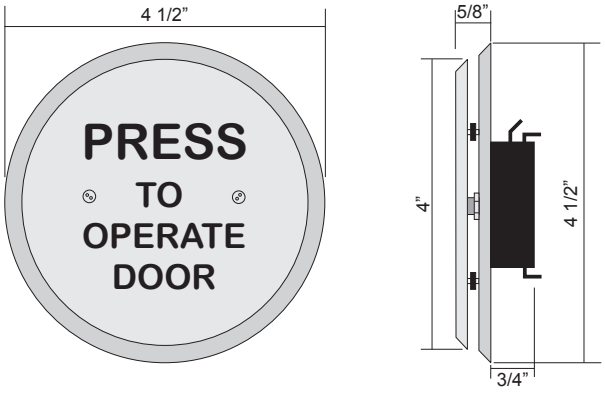
TECHNICAL DATA

- 4" Round All Active Face Plate4 1/2" x 4 1/2"
- 4 1/2" Diameter Formed Stainless Steel Back Plate
- UL Listed "Cherry Switch", SPDT,Mom. , 15 Amp @ 125V AC
- Rubber "Bellows" IncreasesWeather Protection (included)
- Fits Single-gang Electrical Boxor MS SEDCO Surface MountBox
- Radio Control VersionsAvailable

BELLOWS DIAGRAM



DIMENSIONS



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West: 800-544-4422 • East: 800-225-6737
www.intldoorclosers.com

SEDCO 59R6 SERIES

6" Round

PUSH PLATE SWITCHES

PRODUCT DESCRIPTION

The 59R6 Series push plate switches are designed to provide reliable activation of any automatic door.

The 59R6 Series features 5 1/2" round face plates in either stainless steel or blue powder coated aluminum with etched and paint filled legends. A 6" diameter formed stainless steel back plate eliminates possible wall damage from standard use.

Designed as a universal switch, the 59R6 Series fit single-gang or 2-gang electrical boxes with no adapters necessary. A surface mount box is also available.

Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws, durable finishes and the most reliable microswitch in the industry.

#59R6-H (Blue Powder Coat with White Paint Filled Legend)

#59R6-HSS (Stainless Steel with Blue Paint Filled Legend)

#59R6-P (Stainless Steel with Black Paint Filled Legend)

NOT SHOWN

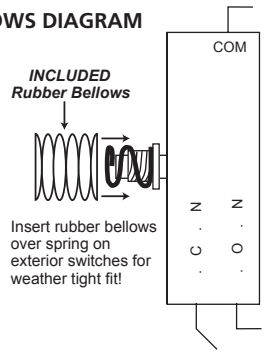
#59R6-W (Blue Powder Coat with White Wheelchair)

#59R6-WSS (Stainless Steel with Blue Wheelchair)

#59R6-Plain (Stainless Steel with No Legend)

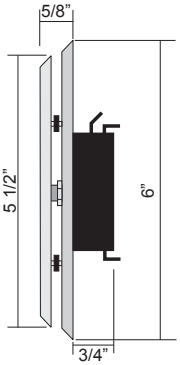
American National Standards Institute (ANSI) - Building Hardware ManufacturersAssociation (BHMA) - ANSI/ BHMA A156.10 & A156.19.

BELLOWS DIAGRAM



TECHNICAL DATA

- 5 1/2" Round All Active FacePlate
- 6" Diameter Formed StainlessSteel Back Plate
- UL Listed "Cherry Switch", SPDT,Mom., 15 Amp @ 125V AC
- Rubber "Bellows" IncreasesWeather Protection (included)
- Fits Single or 2-gang ElectricalBox or MS SEDCO SurfaceMount Box
- Radio Control Versions Available



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SEDCO 59J SERIES

Jamb Style

PUSH PLATE SWITCHES

PRODUCT DESCRIPTION

The 59J Series jamb style switches are designed to provide reliable, unobtrusive activation of any automatic door.

The 59J Series features 1 1/2" x 4 1/4" face plates in either stainless steel or blue powder coated aluminum with etched and paint filled legends. A formed stainless steel back plate eliminates possible wall damage from standard use.

Mount the 59J Series directly onto the jamb of an automatic door (fits a 1 3/4" frame) or in MS SEDCO's optional surface mount box.

Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws, durable finishes and the most reliable microswitch in the industry.

American National Standards Institute (ANSI) - Building Hardware ManufacturersAssociation (BHMA) - ANSI/ BHMA A156.10 & A156.19.

TECHNICAL DATA

- 1 1/2" x 4 1/4" All Active FacePlate
- 1 11/16" x 4 1/2" Formed Stainless Steel Back Plate
- UL Listed "Cherry Switch", SPDT, Mom., 15 Amp @ 125V AC
- Rubber "Bellows" Increases Weather Protection (included)
- Fits 1 3/4" Frame or MS SEDCO Surface Mount Box
- Special Finishes: US3, US4,US10, US10B, US32
- Radio Control Versions Available

#59J-H (Blue Powder Coat with White Paint Filled Legend)

#59J-P (Stainless Steel with Black Paint Filled Legend)

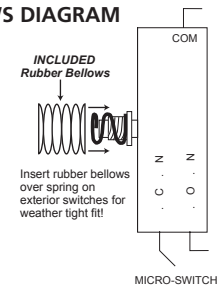
#59J-HSS (Stainless Steel with Blue Paint Filled Legend)

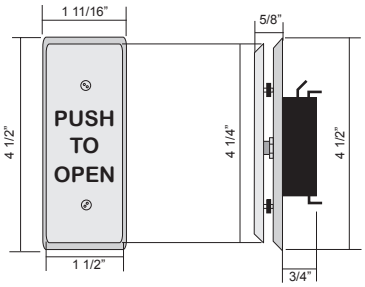
#59J-W (Blue Powder Coat with White Paint Filled Legend)

#59J-WSS (Stainless Steel with Blue Paint Filled Legend)

NOT SHOWN
#59J-Plain (Stainless Steel with No Legend)

BELLOWS DIAGRAM





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SEDCO 59V SERIES

Vestibule

PUSH PLATE SWITCHES

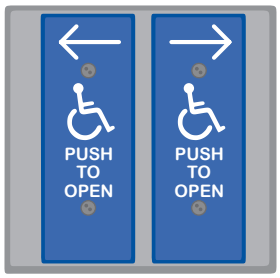
PRODUCT DESCRIPTION

he 59V Series vestibule push plate switches are designed to provide reliable activation of any pair of automatic doors from inside a building vestibule.

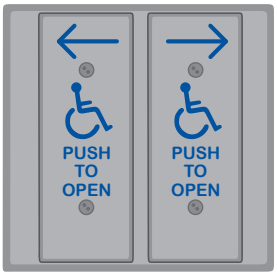
The 59V Series vestibule switches feature two separate face plates that will allow for independent activation of two automatic doors. Both face plates are integrated onto a single 4 1/2" x 4 1/2" formed stainless steel back plate that will fit a 2-gang electrical box or MS SEDCO's optional surface mount box.

Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws, durable finishes and the most reliable microswitch in the industry.

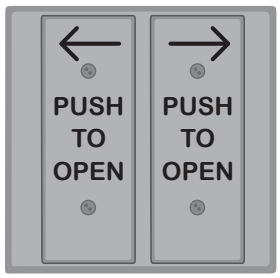
American National Standards Institute (ANSI) - Building Hardware ManufacturersAssociation (BHMA) - ANSI/ BHMA A156.10 & A156.19



#59V-H (Blue Powder Coat with White Paint Filled Legend)



#59V-HSS (Stainless Steel with Blue Paint Filled Legend)



#59V-P (Stainless Steel with Black Paint Filled Legend)

NOT SHOWN

#59V-W (Blue Powder Coat with White Wheelchair)

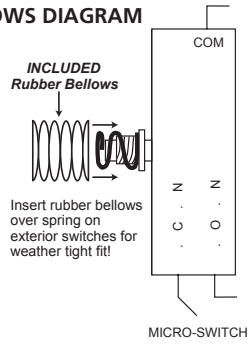
#59V-WSS (Stainless Steel with Blue Wheelchair)

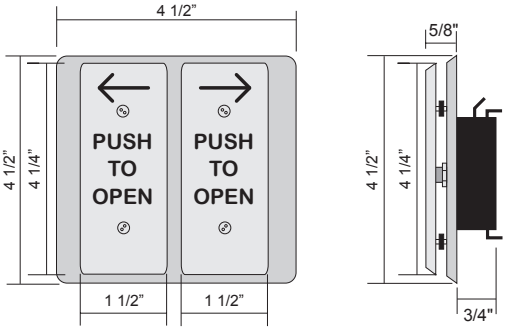
#59V-Plain (Stainless Steel with No Legend)

TECHNICAL DATA

- 2 –1 1/2" x 4 1/4" All ActiveFace Plates
- 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate
- 2 –UL Listed "Cherry Switch",SPDT, Mom. , 15 Amp @125V AC
- Rubber "Bellows" Increases Weather Protection (included)
- Fits 2-gang Electrical Box or MSSEDCO Surface Mount Box
- Special Finishes: US3, US4,US10, US10B, US32
- Radio Control Versions Available

BELLOWS DIAGRAM





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425 SERIES

Jamb Style

PUSH PLATE SWITCHES

PRODUCT DESCRIPTION

he 425 Series jamb style switches are designed to provide reliable, unobtrusive activation of any automatic door.

The 425 Series features 1 11/16" x 4 1/2" face plates in either stainless steel or blue powder coated aluminum. They include self-sticking mylar labels for customizing the face plate.

Mount the 425 Series directly onto the jamb of an automatic door (fits a 1 3/4" frame) or in MS SEDCO's optional surface mount box.

Each unit is built utilizing heavy gauge metals, aircraft quality rivets and screws, durable finishes and the most reliable microswitch in the industry.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

#425B-BLK (Blue Powder Coat Face Plate, Black Button Switch)

#425SS-BLK (Stainless Steel Face Plate, Black Button Switch)

#425B-RED (Blue Powder Coat Face Plate, Red Button Switch)

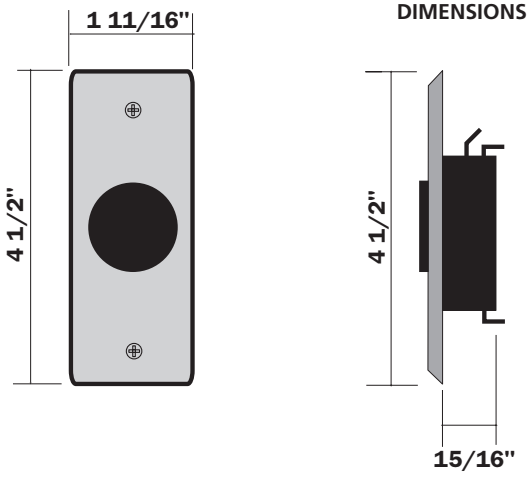
#425SS-RED (Stainless Steel Face Plate, Red Button Switch)

1½" Self-Sticking Mylar Face Plate Decal (Blue Background/White Legend)

TECHNICAL DATA

- 1 11/16" x 4 1/2" Face Platesin Stainless Steel or Blue Powder Coated Aluminum
- 1" Diameter Button Switch(Black or Red)
- UL Listed Micro Switch, SPDT,Mom., 15 Amp @ 125V AC
- Fits 1 3/4" Frame or MS SEDCO#1106 Surface Mounting Box
- Includes Self-Sticking Mylar Face Plate Labels

DIMENSIONS



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1078 SERIES

4 1/2” Square Low Profile

PUSH PLATE SWITCHES

PRODUCT DESCRIPTION

The 1078 Series low profile push plate switches are designed to provide reliable activation of any automatic door.

The 1078 Series features a 4 1/2” square formed stainless steel back plate with a 2” x 3” active face plate mounted flush within the backplate. Designed to be low profile, the 1078 projects only 1/4” from the wall. They fit a 2-gang electrical box with no adapter necessary. A surface mount box is also available.

Each unit is built utilizing heavy gauge stainless steel, aircraft quality screws, durable finishes and the most reliable microswitch in the industry.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

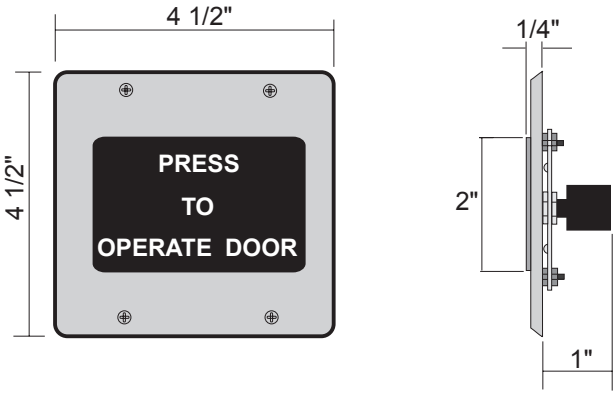
#1078-H (Anodized Blue Aluminum Face Plate with Engraved Legend)

#1078-P (Anodized Black Aluminum Face Plate with Engraved Legend)

TECHNICAL DATA

- 2” x 3” All Active Face Plate
- 4 1/2” x 4 1/2” Formed Stainless Steel Back Plate
- 1/4” Projection From Wall
- UL Listed “Cherry Switch”, SPDT,Mom., 15 Amp @ 125V AC
- Fits 2-gang Electrical Box or MSSEDCO #1015 Surface Mount Box
- Radio Control Versions Available
- Fits 2-gang Electrical Box or MSSEDCO #1015 Surface Mount Box
- Radio Control Versions Available

DIMENSIONS



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216 SERIES

INFRARED "TOUCHLESS"

DOOR ACTIVATOR SWITCHES

#216

#216-L

1½" Self-Sticking Mylar Face Plate Decal
(Blue Background/ White Legend)

#216-N

PRODUCT DESCRIPTION

The 216 Series touchless switches are active infrared devices designed to activate full and low energy automatic doors.

Their hands free operation makes them ideal for ADA applications. Other applications include clean-room access points, request-to-exit devices (3 amp contact) and point-of-purchase displays. The 216 is microprocessor controlled allowing for superior operation in a smaller unit.

The 216 Series faceplates are available in three sizes.

TECHNICAL DATA

- ADA Compliant Hands-Free Operation
- Faceplates Available in 3 Sizes and Various Finishes
- Microprocessor-Controlled Active Infrared
- Automatic Self-Changing ID Coding Eliminates Possible Electrical Interference
- Adjustable Reaction Time (0.05-1 Sec.)
- Digital Circuit Design
- 12 to 24V AC or DC Operation
- Form C Relay Output
- Heavy Duty 3 Amp Contact
- Selectable Failsafe
- Multiple Operating Modes

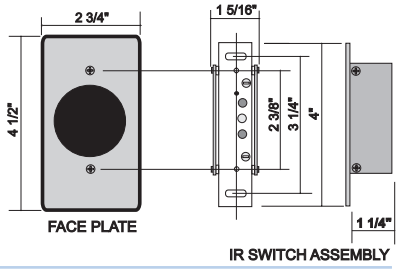
SPECIFICATIONS

Detection Method	Amplitude modulated, coded carrier active infrared
Frequency Codes	Automatic self-changing
Avg. Radiated Power	Less than 18mW
Input Voltage	12V to 24V AC or DC, not polarity sensitive
Input Current	Approx. 100mA @ 18V AC
Relay Contacts	Form C rated at 3 amps @ 24V DC (resistive)
Relay Operation Modes	Normal or "fail-safe" (jumper selectable)
Response Time	Less than 0.3 seconds
Reaction Time	Adjustable from 0.05 to 1 sec.
Operating Distance	6 in. to 2.5 ft.
Unit Size	1 5/16"W x 4"H x 1 1/4"D
Mounting Options	Single-gang, 2-gang or door jamb mount
Face Plate Sizes	Fits Single-gang or 2-gang Box (216) 4 1/2"W x 4 1/2"H Fits Single-gang Box (216-L) 2 3/4"W x 4 1/2"H Fits Door Jamb (216-N) 1 11/16"W x 4 1/2"H
Face Plate Finish	Standard: Brushed Stainless Steel For Special Finishes Contact Factory
Temperature	-13°F to 140°F (-25°C to 60°C) Recommended For Interior Use

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

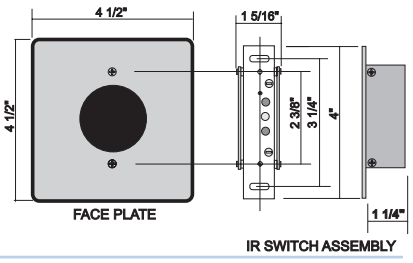
DIMENSIONS

216-L
(Single-Gang)

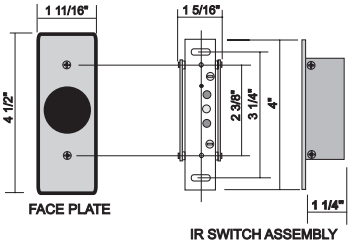


216
(Single-Gang, 2-Gang or Junction Box)

(Adaptor Ring Included)



216-N
(Door Jamb Mount)



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216TX SERIES

INFRARED WIRELESS TOUCHLESS

DOOR ACTIVATOR SWITCHES

216TX-TG

PRODUCT DESCRIPTION

The 216TX Series wireless touchless switches are infrared devices designed to activate full and low energy automatic doors. The built-in wireless transmitter offers the added benefit of easy installation, requiring no wiring to the switch.

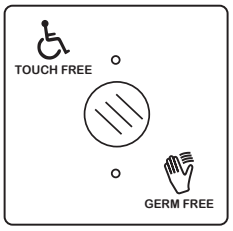
The hands free operation of the 216TX makes them ideal for ADA applications and locations where hygiene is important such as restrooms, health care facilities or cleanrooms. The 216TX is microprocessor controlled, allowing for superior operation in a smaller unit.

The 216TX has a 4 1/2" stainless steel faceplate and comes installed in the 1020 box complete with a transmitter.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

TECHNICAL DATA

- ADA Compliant Hands-Free,Germ-Free Operation
- Microprocessor-ControlledActive Infrared
- Digital Circuit Design
- Wireless Transmitter Features ClearPath™ Technology With Three User-selectable Frequency Settings (300 MHz, 390 MHz,HDRC™)
- FCC Licenses For All Three Frequency Settings
- SignalLock™ Guarantees Signal Transmission When PresenceIs Detected
- Integrated Signal Radiating Antenna Boosts Signal Strength
- Compatible With Most 300 MHz,390 MHz, and ClearPath™ CP/TX Receivers



216TX-TG

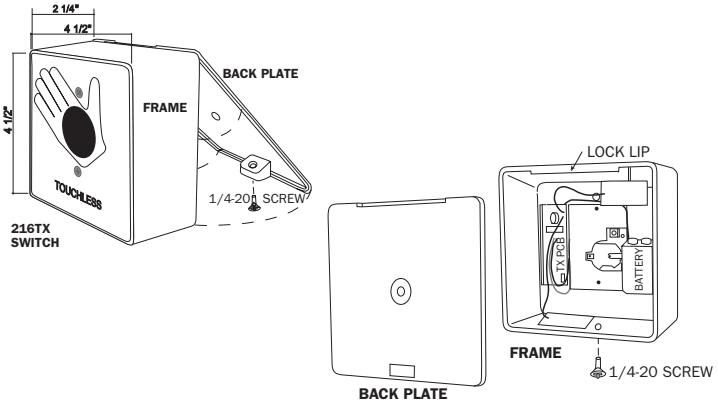
216TX-HT

216TX-WT

216TX-HG

SPECIFICATIONS

Detection Method	Amplitude modulated, coded carrier active infrared
Avg. Radiated Power	Less than 5 mW/cm²
Input Voltage	216: 3.3 Volts DC Coin Cell Battery (CR2032) TX: 9 Volt DC Battery
Response Time	<300m Seconds
Operating Distance	±1 - 5 inches
Unit Size	4 3/4"W x 4 3/4"H x 2 1/4"D
Mounting Options	Includes wall mount box
Face Plate Sizes	4 1/2" square
Face Plate Finishes	Standard: Brushed Stainless Steel For Special Finishes & Legends, Contact Factory
Temperature	-4°F to 140°F (-20°C to 60°C)



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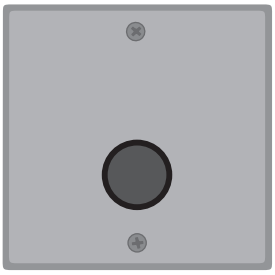
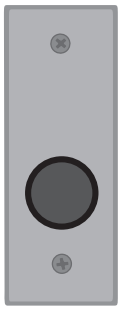
614 SERIES

EXTREME SWITCHES

DOOR ACTIVATOR SWITCHES



#614-SS (Stainless Steel with No Legend)



#614-NSS (Stainless Steel with No Legend)

1 1/2" Self-Sticking Mylar Face Plate Decals (Blue Background/White Legend)

PRODUCT DESCRIPTION

The 614 Series extreme switches are designed to provide reliable activation of any automatic door in extreme environments.

The 614 series are virtually indestructible switches. The 1" diameter red anodized aluminum button utilizes a piezo material that has no moving parts. Ideal for industrial clean rooms or other wet environments, the 614 is completely waterproof.

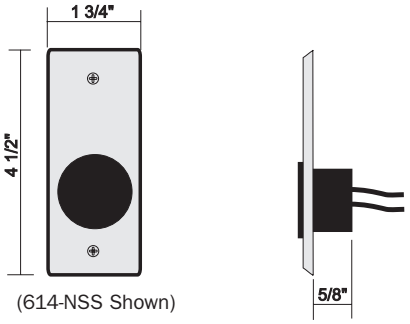
Two different size face plates are available. Both are formed, heavy gauge stainless steel. The 614 series switches will fit a single-gang electrical box or a 1 3/4" door frame. Surface mount boxes are also available.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

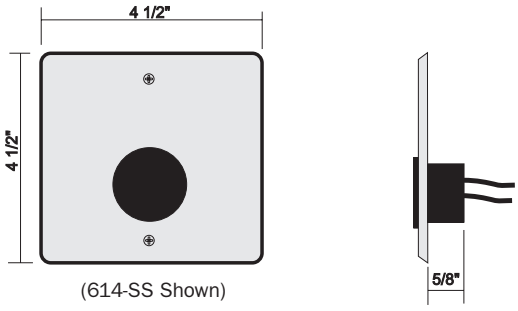
TECHNICAL DATA

- Virtually Indestructible Switch
- 1" Diameter Red Anodized Pressure Sensitive (5 lbs.) SPST Button
- Face Plate Sizes:
  Single-gang – 4 1/2" x 4 1/2"
  Jamb – 1 11/16" x 4 1/2"
- Waterproof – Completely Sealed
- Weatherproof (-40°F to 257°F)
- No Moving Parts – Patented Solid State Piezo Technology
- Tested To 50 Million Cycles
- Radio Control Versions Available

Narrow Extreme Switch



(614-NSS Shown)



(614-SS Shown)

Single-Gang Extreme Switch

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NEXGEN CAPTOUCH SERIES

CAPACITIVE TOUCH

DOOR ACTIVATOR SWITCHES

#NG-CT-HSS

#NG-CT-P

PRODUCT DESCRIPTION

The NexGen CapTouch Series actuator is the next generation of automatic door activation switch. The NexGen CT combines the latest advances in capacitive sensing technology with durable composite plastics, to create an actuator that is both stylish and tough. NexGen switches are extremely thin and utilize no moving parts. The 4" faceplate is bordered by a clear bezel edge that illuminates upon activation.

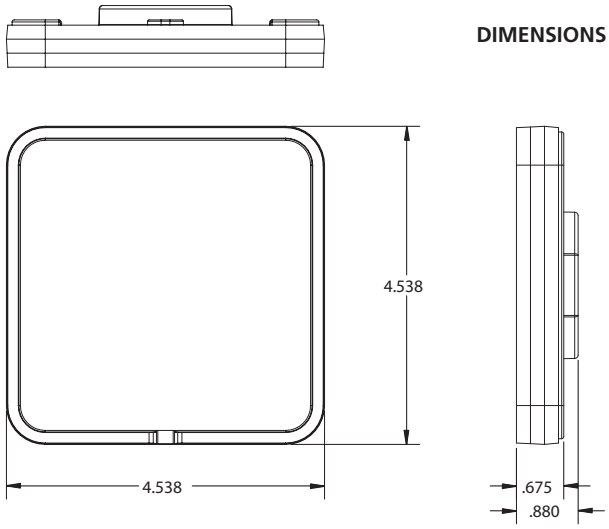
Their hands free operation makes them ideal for ADA applications. Other applications include clean-room access points, request-to-exit devices (1 amp contact), and point-of-purchase displays. The NexGen Capacitive Touch switch is microprocessor controlled, allowing for superior operation in a smaller unit.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

TECHNICAL DATA

- ADA Compliant Operation
- Faceplates Available in Various Finishes
- Microprocessor-Controlled Capactive Touch
- 12 to 24V AC or DC Operation
- Form C Relay Output
- Heavy Duty 1 Amp Contact

DIMENSIONS



SPECIFICATIONS

Activation Method	NexGen technology using digital burst mode charge transfer sensor for detecting near proximity or touch.
Input Voltage	12V to 24V AC or DC, not polarity sensitive
Input Current	Nominal ± 15mA @24V AC Activated ± 40mA @ 24V AC
Relay Contacts	Form C rated at 1 amp @ 24V DC (resistive)
Operating Distance	Adjustable from touch (0") to 1"
Unit Size	4.5"W x 4.5"H x 0.75"D
Face Plate Sizes	Standard: Brushed Stainless Steel For Special Finishes Contact Factory
Face Plate Finish	4 1/2" square
Temperature	-13°F to 140°F (-25°C to 60°C) Recommended For Interior Use

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NEXGEN SERIES

INFRARED TOUCHLESS

DOOR ACTIVATOR SWITCHES

#NG-IR-A

PRODUCT DESCRIPTION

The NexGen Infrared Touchless actuator is the next generation of automatic door activation switch. The NexGen IR combines the latest advances in infrared sensing technology with durable composite plastics, to create an actuator that is both stylish and tough. NexGen switches are extremely thin and utilize no moving parts. The 4" faceplate is bordered by a clear bezel edge that illuminates upon activation.

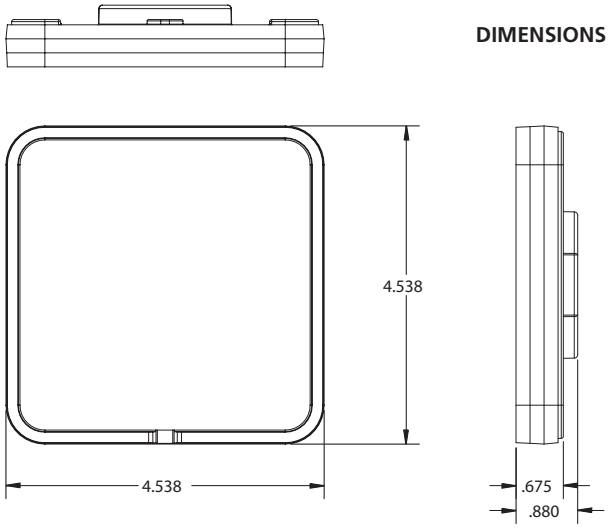
Their hands free operation makes them ideal for ADA applications. Other applications include clean-room access points, request-to-exit devices (1 amp contact) and point-of-purchase displays. The NexGen Infrared Touchless switch is microprocessor controlled allowing for superior operation in a smaller unit.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

TECHNICAL DATA

- ADA Compliant Operation
- Microprocessor-Controlled Infrared Touchless
- Adjustable Reaction Time (0.05-3 Sec.)
- Adjustable Detection Range
- 12 to 24V AC or DC Operation
- Form C Relay Output
- Heavy Duty 1 Amp Contact

DIMENSIONS



SPECIFICATIONS

Activation Method	NexGen technology using rapid infrared pulses, to ensure accurate detection.
Avg. Radiated Power	Less than 18mW
Input Voltage	12V to 24V AC or DC, not polarity sensitive
Input Current	Nominal ± 15mA @24V AC Activated ± 40mA @ 24V AC
Relay Contacts	Form C rated at 1 amp @ 24V DC
Response Time/ Reaction Time	Adjustable from 0.05 to 3 sec.
Operating Distance	± 5" to 12"
Unit Size	4.5"W x 4.5"H x 0.75"D
Face Plate Sizes	Fits Single-gang or 2-gang Box 4 1/2"W x 4 1/2"H Fits Single-Gang Box 2 3/4"W x 4 1/2"H
Face Plate Finish	Standard: Black Acrylic Finish
Temperature	-13°F to 140°F (-25°C to 60°C) Recommended For Interior Use

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Heavy Duty Keyswitches

PRODUCT DESCRIPTION

The 830 Series heavy duty keyswitches are a reliable and economical way to momentarily activate or turn on and off low voltage electrical devices.

When used with automatic doors, the 830 series keyswitches can be used to turn an operator or any activation device on and off. They are also a simple way to provide secure activation of any automatic door.

The 830 series keyswitches are available with a maintained or momentary contact switch. An additional switch of either type can be added. The 830 series also features a choice of three different size stainless steel faceplates. The heavy duty switch bracket features a switch activator dead stop which prevents the key cylinder from damaging a single switch.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

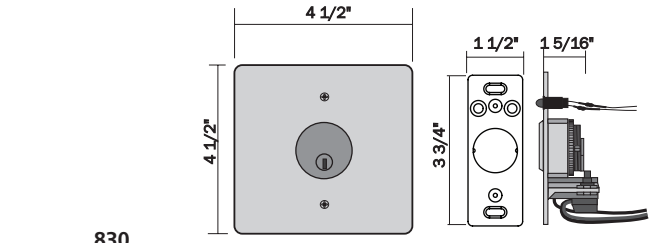
#830 (4 1/2" x 4 1/2" Face Plate)

#830-N (1 11/16" x 4 1/2" Face Plate)

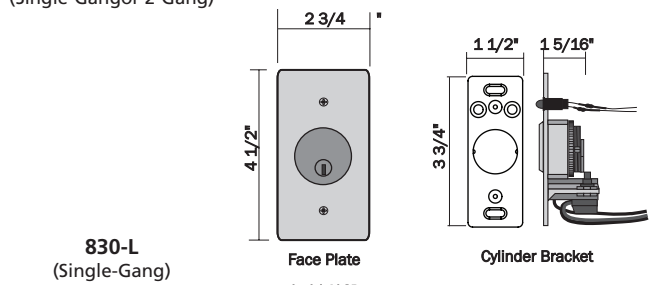
#830-L-RG (2 3/4" x 4 1/2" Face Plate)

TECHNICAL DATA

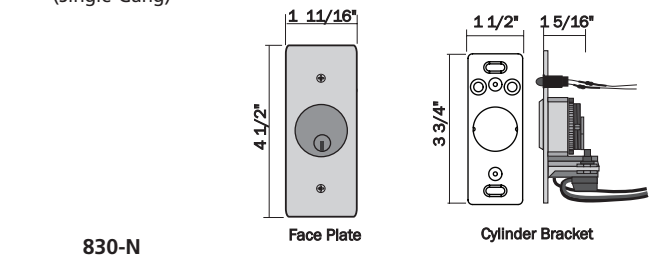
- Operates With Standard 1" - 1 1/4" Mortised Cylinder
- Mortised Cylinders Available Separately
- Adjustable Mounting holes Help"Plumb and Square" Keyswitch
- UL Listed SPST Push Button Switch
  Maintained Contact:125 VAC, 6A, Red Button
  Momentary Contact:125 VAC, 3A, Black Button
- Fits Single-gang, 2-gang Electrical Boxes or MS SEDCO#1015 and #1035 Surface Mount Boxes
- Face Plate Sizes:
  4 1/2" x 4 1/2" – Fits Single gang or 2-gang
  Box (830) 2 3/4" x 4 1/2" – Fits Single gang box (830-L)
  1 11/16" x 4 1/2" –Fits Door Jamb (830-N)
- Radio Control Versions Available
- Optional LED Indicators Available
  LED Rated for use at 12-24V AC or DC



830
(Single-Gangor 2-Gang)



830-L
(Single-Gang)



830-N
(Door JambMount)

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SEDCO 830 SERIES

Combination Heavy Duty Keyswitches and Push Plate Switches

830-59J-H-R

830-59J-HSS-RG

830-59J-H

830-59J-WSS-RG

PRODUCT DESCRIPTION

The 830 Series combination keyswitches and push plate switches are designed to provide reliable and secure activation of any low voltage device.

These unique devices are two switches in one. The keyswitch and the push plate switch can be set up to work independently of each other or the keyswitch can turn the push plate switch on and off, providing an economical way to secure the push plate switch after hours.

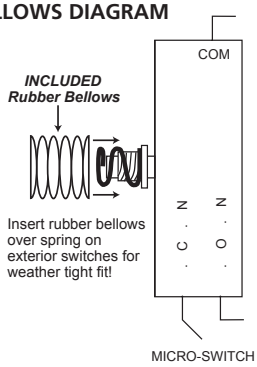
The keyswitch is available with either a momentary or maintained contact switch. The push plate switch utilizes the 59J series face plates. The 830 series combination switch can also be used with radio control transmitters.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

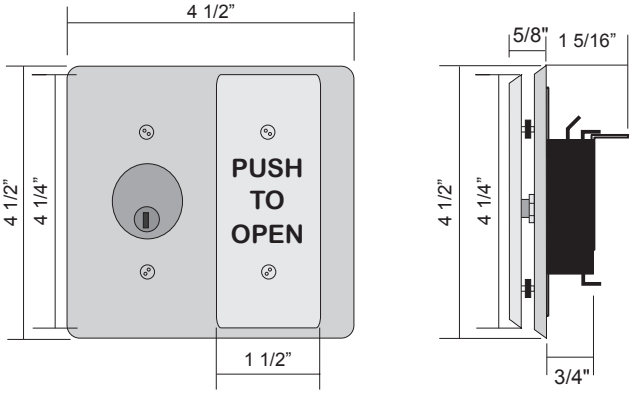
TECHNICAL DATA

- Operates with Standary 1 1/8" - 1 1/4" Mortised Cylinder
- Mortised Cylinder Available Separately
- Heavy Duty Keyswitch Features UL Listed SPST Push Button Switch
  Maintained Contact: 125 VAC, 6A, Red Button
  Momentary Contact: 125 VAC, 3A, Black Button
- Optional LED Indicators Available, LED Rated for use at 12-24V AC or DC
- Push Plate Switch Utilizes a 1 1/2" x 4 1/4" All Active Face Plate
- 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate
- Push Plate Switch—UL Listed "Cherry Switch", SPDT, Mom., 15 Amp @ 125V AC
- Push Plate Switch—Rubber "Bellows" Increases Weather Protection (included)
- Fits 2-gang Electrical Box or MS SEDCO Surface Mount Box
- Special Finishes: US3, US4,US10, US10B, US32
- Radio Control Versions Available

BELLOWS DIAGRAM



DIMENSIONS



(Mortised Cylinder Not Included)

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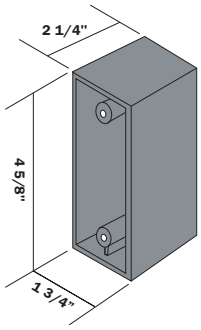
Mounting Boxes and Escutcheons

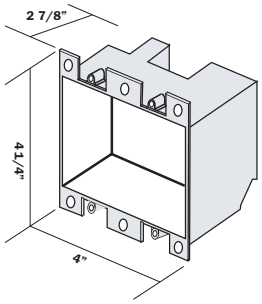
PRODUCT DESCRIPTION

All mounting boxes are exterior grade polycarbonate surface mounting boxes designed so the switch will recess mount for superior weather protection and to eliminate potential snagging.

ONE PIECE MOUNTING BOXES



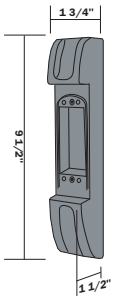
1035 Series
2" deep jamb box. Compatible with 59J Series switches and many other switches designed for jamb mount.



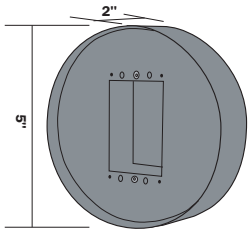
255R Series
2-gang recessed mount box.

TWO PIECE MOUNTING BOXES

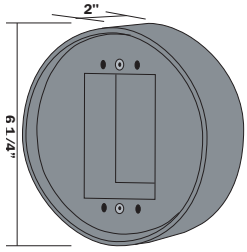
Two piece mounting boxes are designed to make battery replacement quick and easy for wireless applications.



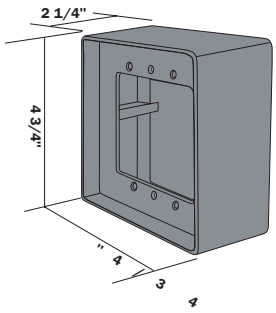
1010 Series
Compatible with 59J Series switches.



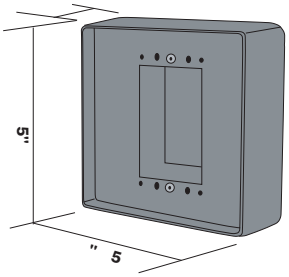
1025 Series
1025 SeriesRound boxes compatible with all 59R4 Series switches.



1030 Series
Round boxes compatible with all 59R6 Series switches.



1015 Series
Compatible with 59, 59V, 1078, 216, 830 & 614 Series switches.



1020 Series
Compatible with 59, 216 and 614 Series switches.

DECORATIVE ESCUTCHEONS

ESC-59R4: Plate for 59R4 Series
ESC-59R6: Plate for 59R6 Series

Dress up the appearance of your MS Sedco round switch with a stainless escutcheon plate. Plates are available for the R4 and R6 switches, and can be mounted directly to the wall or to a single or 2-gang electrical box.

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CLEARPATH™ CP/TX
TRANSMITTERS

(Pictured with 59-H—Switches availableseparately or included in ClearPath Kits)

PRODUCT DESCRIPTION

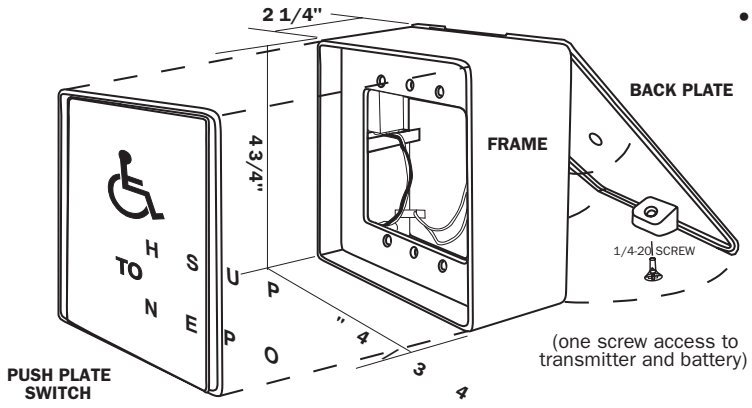
The CP/TX wall mount transmitter is part of the ClearPath Radio Control Push Plate Switch Activation System that provides the most reliable wireless activation of automatic doors available.

The CP/TX transmitter comes prewired and installed with battery in a surface mount box making installation quick and easy. The CP/TX can transmit three different frequencies. If interference is encountered on one frequency, simply switch to one of the other frequencies to solve the problem. The CP/TX can also be used interchangeably with other manufacturer's products that operate on its frequencies as well. Only ClearPath offers this flexibility.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

TECHNICAL DATA

- Utilizes Proprietary High Definition Radio Control™ (HDRC™) For Unsurpassed Signal Transmission Clarity
- Three User Selectable Frequencies Available In Single Unit: HDRC™, 300 MHz, 390 MHz
- FCC License For All Three Frequencies
- SignalLock™ Guarantees Signal Transmission When Push Plate Switch Is Pressed
- Power Saving Circuitry Extends Battery Life
- Integrated Signal Radiating Antenna Boosts Signal Strength
- Transmitter And Battery Factory Prewired And Installed In Mounting Boxes
- Powered By Standard 9V Battery
- Quick Battery Access
- Sequencing Transmitter Available (CP/STX)
- Temperature Range: -4°F to 140°F (-20°C to 60°C)



CP/TX Radio Transmitter
(Pictured with 59-H—Sold Separately)

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CLEARPATH™ CP/STX
SEQUENCING TRANSMITTERS

(Pictured with 59-H—Switches availableseparately or included in ClearPath Kits)

PRODUCT DESCRIPTION

The CP/STX wall mount transmitter is part of the ClearPath Radio Control Push Plate Switch Activation System that provides the most reliable wireless activation of automatic doors available.

The ClearPath™ sequencing radio control transmitters provide reliable activation of two automatic doors. They share the same PCB as the standard transmitter, however each sequencing version has a software upgrade that enables them to transmit two separate signals with an adjustable delay between them in order to sequence vestibule doors one after the other from either direction. Several styles are available - each comes with a sequencing transmitter PCB, antennas and battery completely assembled in a surface mounting box.

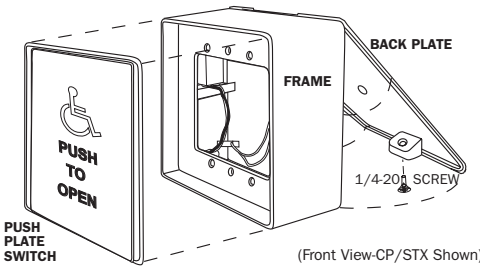
- CP/STX = Sequencing version of the CP/STX (Use with 59 Series Switches)
- CP/STX-R4 = Sequencing version of the CP/STX-R4 (Use with 59R4 Series Switches)
- CP/STX-R6 = Sequencing version of the CP/STX-R6 (Use with 59R6 Series Switches)
- CP/STX-J = Sequencing version of the CP/STX-J (Use with 59J Series Switches)
- CP/STX-P = Sequencing version of the CP/STX-P (Use with 608 Series Bollards)

All ClearPath sequencing transmitters have 3 selectable frequencies - High Definition Radio Control™ (HDRC™), 300 MHz and 390 MHz. A simple slide switch allows them to be used interchangeably with past MS SEDCO and other competitor's products utilizing these frequencies.

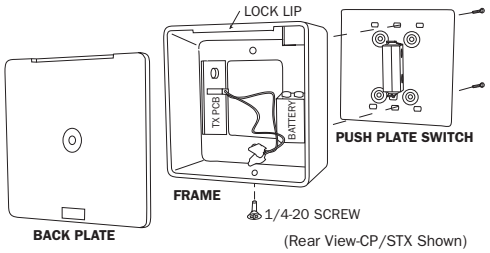
American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

TECHNICAL DATA

- Utilizes Proprietary High Definition Radio Control™ (HDRC™) For Unsurpassed Signal Transmission Clarity
- Three User Selectable Frequencies Available In Single Unit: HDRC™, 300 MHz, 390 MHz
- FCC License For All Three Frequencies
- SignalLock™ Guarantees Signal Transmission When Push Plate Switch Is Pressed
- Power Saving Circuitry Extends Battery Life
- Integrated Signal Radiating Antenna Boosts Signal Strength
- Transmitter And Battery Factory Prewired And Installed In Mounting Boxes
- Powered By Standard 9V Battery
- Quick Battery Access
- Sequencing Transmitter Available (CP/STX)
- Temperature Range: -4°F to 140°F (-20°C to 60°C)



(Front View-CP/STX Shown)



(Rear View-CP/STX Shown)

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CLEARPATH™ CP/TX-J

TRANSMITTERS

(Pictured with 59J-H—Switches availableseparately or included in ClearPath Kits)

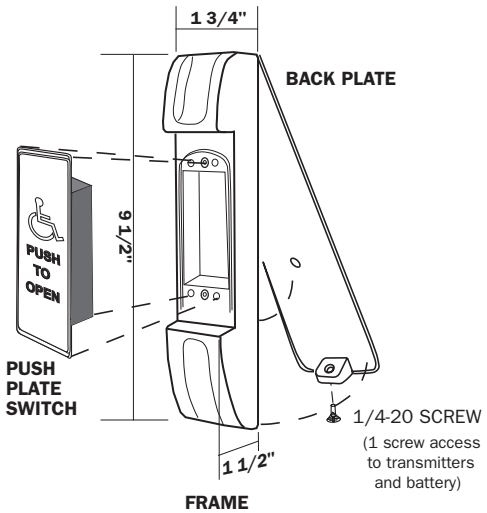
PRODUCT DESCRIPTION

The CP/TX-J jamb mount transmitter is part of the ClearPath Radio Control Push Plate Switch Activation System that provides the most reliable wireless activation of automatic doors available.

The CP/TX-J transmitter comes prewired and installed with battery in a surface mount box making installation quick and easy and the entire assembly will fit on a 1 3/4" door frame.

The CP/TX-J can transmit three different frequencies. If interference is encountered on one frequency, simply switch to one of the other frequencies to solve the problem. The CP/TX-J can also be used interchangeably with other manufacturer's products that operate on its frequencies as well. Only ClearPath offers this flexibility.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.



CP/TX-J Radio Transmitter
(Pictured with 59JH—Sold Separately)

TECHNICAL DATA

- Utilizes ProprietaryHigh Definition Radio Control™ (HDRC™) For Unsurpassed Signal Transmission Clarity
- Three User Selectable Frequencies Available In Single Unit: HDRC™, 300 MHz, 390 MHz
- FCC License For All Three Frequencies
- SignalLock™ Guarantees Signal Transmission When Push Plate Switch Is Pressed
- Power Saving Circuitry Extends Battery Life
- Integrated Signal Radiating Antenna Boosts Signal Strength
- Transmitter And Battery Factory Prewired And Installed In Mounting Boxes
- Powered By Standard 9V Battery
- Quick Battery Access
- Sequencing Transmitter Available (CP/STX-J)
- Temperature Range: -4°F to 140°F (-20°C to 60°C)

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CLEARPATH™ RADIO CONTROL

VESTIBULE SYSTEM

PRODUCT DESCRIPTION

The ClearPath vestibule system provides reliable wireless sequenced activation of automatic vestibule doors.

The CP/STX and CP/STX-J receive a programming upgrade from the basic transmitters that enables them to be sequencing transmitters. They mount on the interior and exterior of the vestibule entrance and are capable of transmitting two separate signals with an adjustable time delay between them to sequence vestibule doors one after the other from either direction.

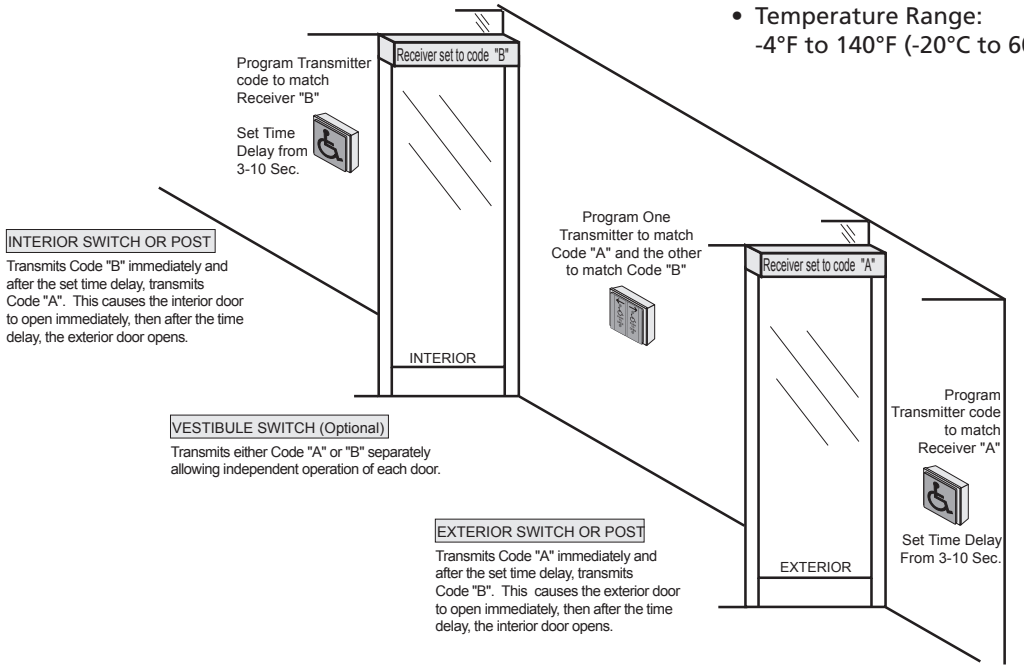
The CP/TX-V is a dual transmitter that mounts in the vestibule between the doors allowing independent activation of each door.

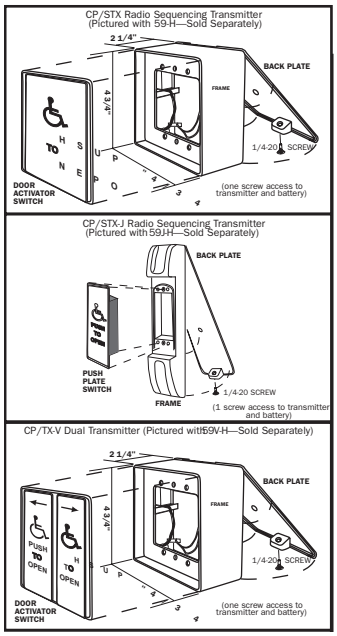
Radio Control Components for the ClearPath Vestibule System (See Diagram):

- Interior: 1-CP/STX (wall mount) or 1-CP/STX-J (door jamb mount) Sequencer
- Inside Vestibule: 1-CP/TX-V Dual Transmitter
- Exterior: 1-CP/STX (wall mount) or 1-CP/STX-J (door jamb mount) Sequencer
- Interior Door Operator: 1-CP/RX Receiver
- Exterior Door Operator: 1-CP/RX Receiver
- *ClearPath transmitters & sequencers require push plate switches that are sold separately.

TECHNICAL DATA

- Utilizes Proprietary High Definition Radio Control™ (HDRC™) For Unsurpassed Signal Transmission Clarity
- Three User Selectable Frequencies Available In Single Unit: HDRC™, 300 MHz,390 MHz
- FCC License For All Three Frequencies
- SignalLock™ Guarantees Signal Transmission When Push Plate Switch Is Pressed
- Power Saving Circuitry Extends Battery Life
- Integrated Signal Radiating Antenna Boosts Signal Strength
- Vestibule Transmitters Sequence Two Doors With User Adjustable Time Delay Between Signals Of 3, 5 or 10 Seconds
- Transmitter And Battery Factory Prewired And Installed In Mounting Boxes
- Powered By Standard 9V Battery
- Temperature Range: -4°F to 140°F (-20°C to 60°C)





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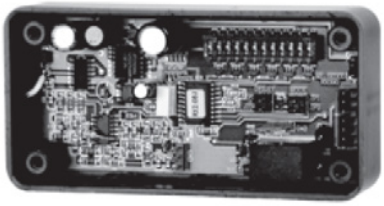
CLEARPATH™ CP/RX

MULTI-MODE RECEIVER



ClearPath™ CP/RX
Multi-Mode Receive

PRODUCT DESCRIPTION

he CP/RX receiver is part of the ClearPath Radio Control Push Plate Switch Activation System that provides the most reliable wireless activation of automatic doors available. All ClearPath transmitters communicate with this one receiver.

In addition to being a receiver, the CP/RX can be easily programmed to become a timer, dual receiver or a sequencing receiver.

The CP/RX accepts three different frequencies. If interference is encountered on one frequency, simply switch to one of the other frequencies to solve the problem. The CP/RX can also be used interchangeably with other manufacturer's products that operate on its frequencies. Only ClearPath offers this flexibility.

American National Standards Insti-tute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

OVERALL DIMENSIONS: 2"W x 4"L x 1"H

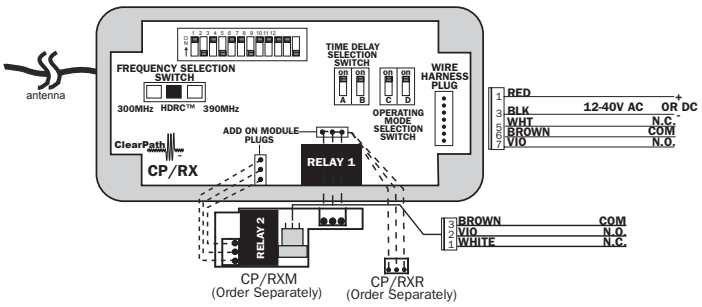


Table 1

Mode#	C	D	Operating Mode
1	OFF	OFF	Normal Receiver (Factory Setting)
2	ON	OFF	Receiver with Time Delayed Output
3*	OFF	ON	Dual Receiver
4*	ON	ON	Receiver With Sequenced Outputs
5**	N/A	N/A	Receiver With Ratchet Relay

*Requires CP/RXM
**Requires CP/RXR

Table 2

A	B	Time Delay
ON	ON	5 Seconds
ON	OFF	10 Seconds
OFF	ON	15 Seconds
OFF	OFF	20 Seconds

TECHNICAL DATA

- Utilizes Proprietary High Definition Radio Control™ (HDRC™) For Unsurpassed Signal Transmission Clarity.
- Three User Selectable Frequencies Available in Single Unit: HDRC™, 300 MHz, 390 MHz
- FCC License For All Three Frequencies
- 5 Programming Modes:

1. Mode 1: Standard Receiver (factory setting)
2. Mode 2: Receiver With Adjustable Time Delay
3. Mode 3*: Dual Channel Receiver
4. Mode 4*: Receiver With Sequenced Outputs
5. Mode 5**: Receiver With Ratchet Relay

- *Modes 3 & 4 Require The RX MAdd-On Module. This Module Plugs Directly Onto The CP/RX Main Circuit Board And Provides A Second Output.
- **Mode 5 Requires The RXR Add-On Module. The Module Plugs Directly Onto The CP/RX Main Circuit Board and Allows For Initial Signal To Hold Relay Closed Until A Second Signal Is Received.
- N.O. And N.C. Contacts
- Pluggable Wire Harness
- Internal Surge Protection Wires Directly To Electric Locking Devices
- Output Contact: Form C, RatedAt 3 Amps
- Power Requirements: 12V To24V AC or DC
- Relay Contact Rating: 3 amp @24V AC
- Compact Size: 4"L x 2"W x 1"H
- Temperature Range:-4°F to 140°F (-20°C to 60°C)

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CLEARPATH™ CP/TX-P

TRANSMITTERS

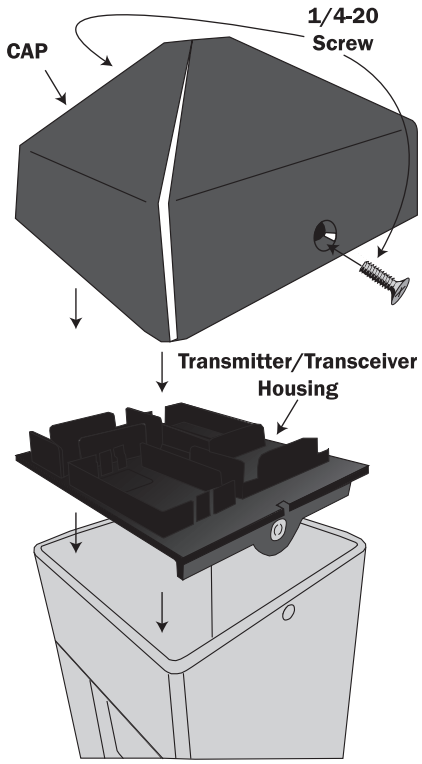
ClearPath™ CP/TX-P
In-Post Transmitters

PRODUCT DESCRIPTION

The CP/TX-P post mount transmitter is part of the ClearPath Radio Control Push Plate Switch Activation System that provides the most reliable wireless activation of automatic doors available.

The ClearPath radio control transmitters provide reliable activation of any automatic door. When a 608 Series Bollard is ordered from the factory with a wireless option, the Bollard will come complete with the appropriate transmittercomponents installed in the integrated cap assembly that attaches to it.

The CP/TX-P can also be used interchangeably with other manufacturer's products that operate on its frequencies as well. Only ClearPath offers this flexibility.



American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

TECHNICAL DATA

- Utilizes Proprietary High Definition Radio Control™ (HDRC™) For UnsurpassedSignal Transmission Clarity
- Three User Selectable Frequencies Available InSingle Unit: HDRC™, 300 MHz, 390 MHz
- FCC License For All Three Frequencies
- SignalLock™ Guarantees Signal Transmission When Push Plate Switch Is Pressed
- Power Saving Circuitry Extends Battery Life
- Integrated Signal Radiating Antenna Boosts Signal Strength
- Transmitter And Battery Factory Prewired And Installed In Mounting Boxes
- Powered By Standard 9V Battery
- Quick Battery Access
- Sequencing Transmitter Available (CP/STX)
- Dual Vestibule Transmitter Available (CP/TX-VP)
- Temperature Range: -4°F to 140°F (-20°C to 60°C)

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CLEARPATH™ CP/TX-HH

HAND-HELD TRANSMITTERS

(CP/TX-HH2 Pictured)

PRODUCT DESCRIPTION

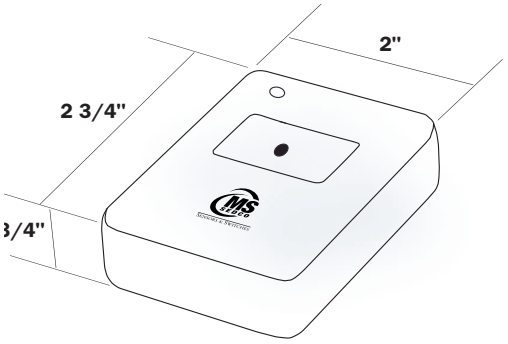
The CP/TX-HH hand-held micro-transmitters are available in either a one button (CP/TX-HH1) or two button (CP-TX-HH2) versions and are a part of the ClearPath Radio Control Door Activation System that provides the most reliable wireless activation of automatic doors available.

The CP/TX-HH hand-held micro-transmitters are small enough to wear as a necklace yet have large, easy to activate buttons. The CP/TX-HH can transmit three different frequencies. If interference is encountered on one frequency, simply switch to one of the other frequencies to solve the problem. The CP/TX-HH can also be used interchangeably with other manufacturer's products that operate on its frequencies as well. Only ClearPath offers this flexibility.

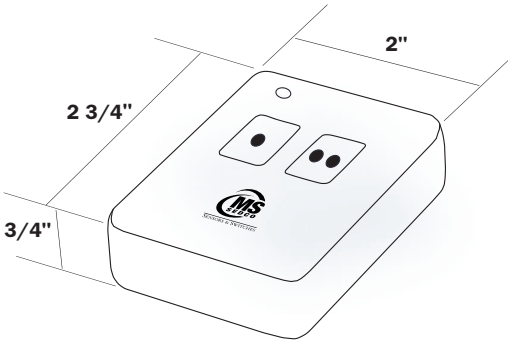
American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

TECHNICAL DATA

- Utilizes ProprietaryHigh Definition Radio Control™ (HDRC™) For Unsurpassed Signal Transmission Clarity
- Three User Selectable Frequencies Available In Single Unit: HDRC™, 300 MHz,390 MHz
- FCC License For All Three Frequencies
- SignalLock™ Guarantees Signal Transmission When DoorActivator Switch Is Pressed
- Power Saving Circuitry Extends Battery Life
- Compact Overall Size with Large Activation Buttons
- One (CP/TX-HH1) and Two (CP/TX-HH2) Buttons Available
- Temperature Range: -4°F to 140°F (-20°C to 60°C)



CP/TX-HH1
1 Button Transmitter



CP/TX-HH2
2 Button Transmitter

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CLEARPATH™ S-TRX TRANSCEIVERS

(Pictured with 59-H—Switches availableseparately or included in ClearPath Spectrum Kits)

PRODUCT DESCRIPTION

The S-TRX Transceiver is a part of the ClearPath Spectrum Wireless System. When used in conjunction with the S-COR Coordinator, the S-TRX functions in a similar role as traditional wireless trans-mitters, but this is where the similarities end. The Spectrum Wireless System provides several industry firsts:

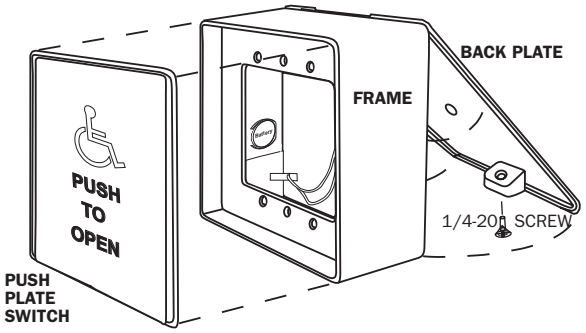
- Digital two-way communication allows for greater security and ensures successful signal transmission between devices.
- LCD screen (S-COR) for quickand easy programming.
- Upon switch activation, the Transceivers communicate valuable information that is displayed on the LCD screen including: device ID, signal strength and battery monitoring.
- Pairing of multiple Transceivers with Coordinators.
- Two built-in outputs (S-COR).
- 3 year battery life (S-TRX).

ClearPath Spectrum products operate at 2.4 GHz, making the wave length more than 5 times shorter than commonly-used frequencies. Shorter waves pass through cracks and barriers easier, and transceivers will continue to attempt to contact the Coordinator until it receives an acknowledgement.

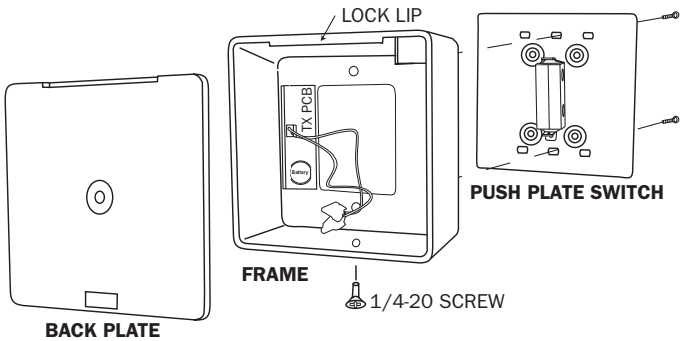
American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

OPTIONS

- S-TRX =
  Spectrum Transceiver with 1020 Square Mounting Box
- S-TRX-R4 =
  Spectrum Transceiver with 1025 Round Mounting Box
- S-TRX-R6 =
  Spectrum Transceiver with 1030 Round Mounting Box
- S-TRX-J =
  Spectrum Transceiver with 1010 Jamb Mounting Box



Front View - S-TRX Shown



Rear View - S-TRX Shown

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CLEARPATH™ S-TRX-J

SPECTRUM JAMB MOUNT

TRANSCEIVER

ClearPath™ S-TRX-J
Spectrum Jamb Mount Transceiver

PRODUCT DESCRIPTION

The S-TRX-J Transceiver is a part of the ClearPath Spectrum Wireless System. When used in conjunction with the S-COR Coordinator, the S-TRX-J functions in a similar role as traditional wireless transmitters, but this is where the similarities end. The Spectrum Wireless System provides several industry firsts:

- Digital two-way communicationallows for greater security andensures successful signal transmission between devices.
- LCD screen (S-COR) for quickand easy programming.
- Upon switch activation, theTransceivers communicatevaluable information that isdisplayed on the LCD screenincluding: device ID, signalstrength and battery monitoring.
- Pairing of multiple Transceiverswith Coordinators.
- Two built-in outputs (S-COR).
- 3 year battery life (S-TRX-J).

ClearPath Spectrum products operate at 2.4 GHz, making the wave length more than 5 times shorter than commonly-used frequencies. Shorter waves pass through cracks and barriers easier, and transceivers will continue to attempt to contact the Coordinator until it receives an acknowledgement.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

OPTIONS

- S-TRX-J =
  Spectrum Transceiver with 1010 Jamb Mounting Box

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CLEARPATH™ S-COR

SPECTRUM COORDINATOR

PRODUCT DESCRIPTION

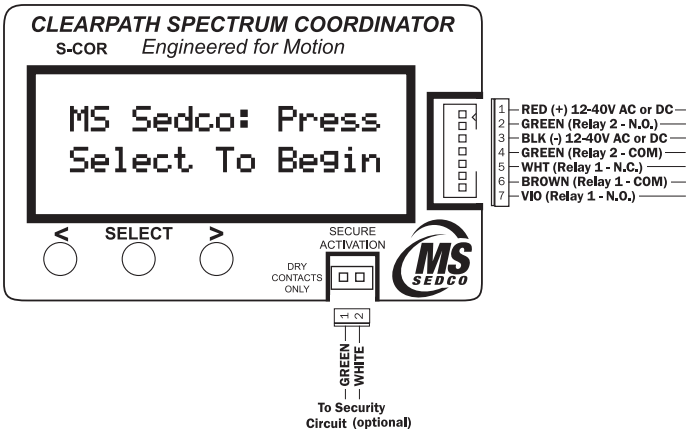
The S-COR Coordinator is a part of the ClearPath Spectrum Wireless System. When used in conjunction with the S-TRX Transceiver, the S-COR Coordinator functions in a similar role as traditional wireless system receivers. This is where the similarities end. The Spectrum Wireless System provides several industry firsts:

- Digital two-way communication allows for greater security and ensures successful signal transmission between devices.
- LCD screen (S-COR) for quickand easy programming.
- Upon switch activation, the Transceivers communicate valuable information that is displayed on the LCD screen including: device ID, signal strength and battery monitoring.
- Pairing of multiple Transceivers with Coordinators.
- Two built-in outputs (S-COR).
- 3 year battery life (S-TRX).

ClearPath Spectrum products operate at 2.4 GHz, making the wave length more than 5 times shorter than commonly-used frequencies. Shorter waves pass through cracks and barriers easier, and transceivers will continue to attempt to contact the Coordinator until it receives an acknowledgement.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

ClearPath™ S-COR
Spectrum Coordinator



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CLEARPATH™ S-TRX-HH

SPECTRUM TRANSCEIVER

HAND HELD & RETROFIT

ClearPath™ S-TRX-HH
Spectrum Transceiver Hand Held & Retrofit

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

PRODUCT DESCRIPTION

The S-TRX-HH Transceiver is a part of the ClearPath Spectrum Wireless System. When used in conjunction with the S-COR Coordinator, the S-TRX-HH functions in a similar role as traditional wireless transmitters, but this is where the similarities end. The Spectrum Wireless System provides several industry firsts:

- Digital two-way communication allows for greater security and ensures successful signal transmission between devices.
- LCD screen (S-COR) for quickand easy programming.
- Upon switch activation, the Transceivers communicate valuable information that is displayed on the LCD screen including: device ID, signal strength and battery monitoring.
- Pairing of multiple Transceivers with Coordinators.
- Two built-in outputs (S-COR).
- 3 year battery life (S-TRX-HH).

ClearPath Spectrum products operate at 2.4 GHz, making the wave length more than 5 times shorter than commonly-used frequencies. Shorter waves pass through cracks and barriers easier, and transceivers will continue to attempt to contact the Coordinator until it receives an acknowledgement.

OPTIONS

- S-TRX-HH =
  Hand-Held Spectrum Transceiver with Button
- S-TRX-12 =
  Spectrum Transceiver with 12” Wires for Connection to Products by Others

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CLEARPATH™ S-TRX-V

2 SPECTRUM TRANSCEIVERS

1015 SQUARE MOUNTING BOX

(Pictured with 59V-H—Switches availableseparately or included in ClearPath Spectrum Kits)

PRODUCT DESCRIPTION

The S-TRX-V Transceiver is a part of the ClearPath Spectrum Wire-less System. When used in conjunction with the S-COR Coordinator, the S-TRX-V functions in a similar role as traditional wireless transmitters, but this is where the similarities end. The Spectrum Wireless System provides several industry firsts:

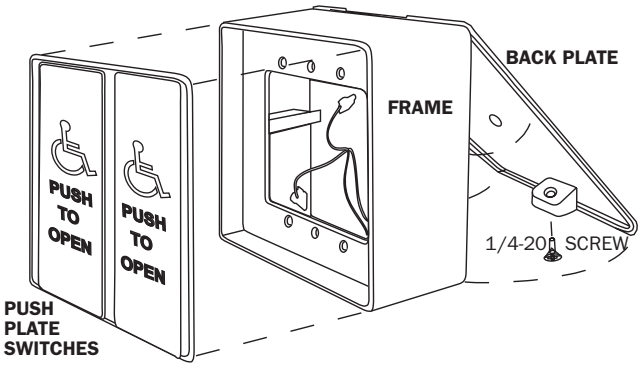
- Digital two-way communication allows for greater security and ensures successful signal transmission between devices.
- LCD screen (S-COR) for quickand easy programming.
- Upon switch activation, the Transceivers communicate valuable information that is displayed on the LCD screen including: device ID, signal strength and battery monitoring.
- Pairing of multiple Transceivers with Coordinators.
- Two built-in outputs (S-COR).
- 3 year battery life (S-TRX).

ClearPath Spectrum products operate at 2.4 GHz, making the wave length more than 5 times shorter than commonly-used frequencies. Shorter waves pass through cracks and barriers easier, and transceivers will continue to attempt to contact the Coordinator until it receives an acknowledgement.

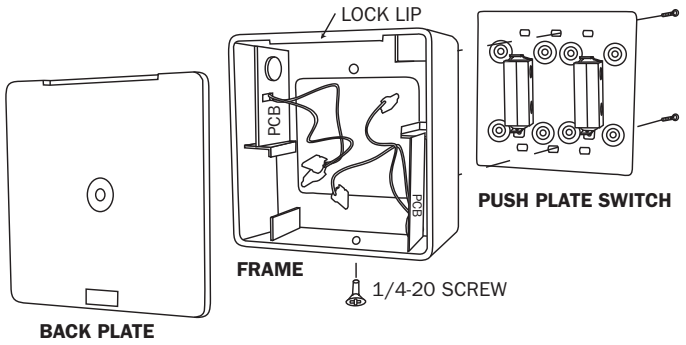
American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

OPTIONS

- S-TRX-V =
  2 Spectrum Transceivers with 1015 Square Mounting Box.



Front View - S-TRX-V Shown



Rear View - S-TRX-V Shown

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CLEARPATH™ S-TRX-P

POST TRANSCEIVER

ClearPath™ S-TRX-P
Post Transceiver)

PRODUCT DESCRIPTION

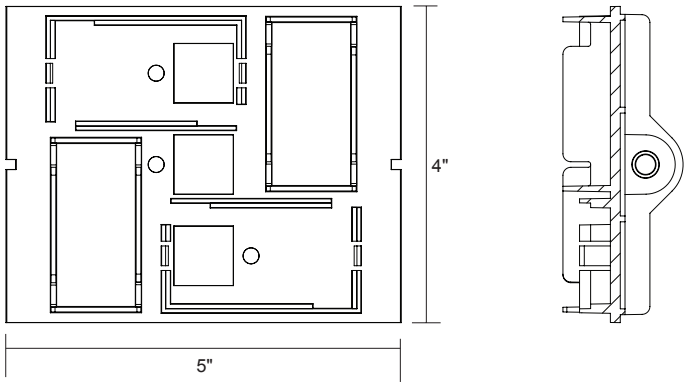
The S-TRX-P Transceiver is a part of the ClearPath Spectrum Wireless System. It is designed for use with our 608 series heavy duty switch posts.

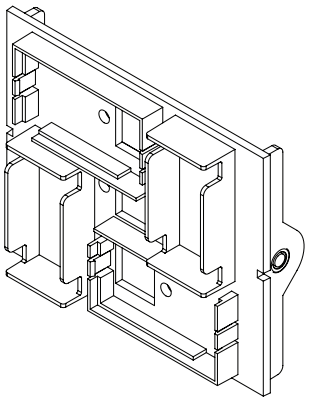
When used in conjunction with the S-COR Coordinator, the S-TRX-P functions in a similar role as traditional wireless transmitters, but this is where the similarities end. The Spectrum Wireless System provides several industry firsts:

- Digital two-way communication allows for greater security and ensures successful signal transmission between devices.
- LCD screen (S-COR) for quickand easy programming.
- Upon switch activation, the Transceivers communicate valuable information that is displayed on the LCD screen including: device ID, signal strength and battery monitoring.
- Pairing of multiple Transceivers with Coordinators.
- Two built-in outputs (S-COR).
- Dual vestibule transmitter available (S-TRX-VP)
- 3 year battery life (S-TRX).

ClearPath Spectrum products operate at 2.4 GHz, making the wave length more than 5 times shorter than commonly-used frequencies. Shorter waves pass through cracks and barriers easier, and transceivers will continue to attempt to contact the Coordinator until it receives an acknowledgement.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.





ISOMETRIC VIEW

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HARDWIRE AND WIRELESS

4½" PUSH PLATES

PBR45 SERIES

10PBR45 shown with optional surface mount box
(All mounting options are sold separately)

PREMIUM PUSH PLATES FOR KNOWING ACT APPLICATIONS

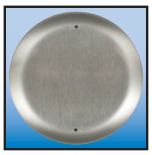
PBR45 SERIES

10PBR45
Push To Open
Text Only

10PBR45LL
Handicap
Logo Only

10PBR451
Push To Open
Text and Logo

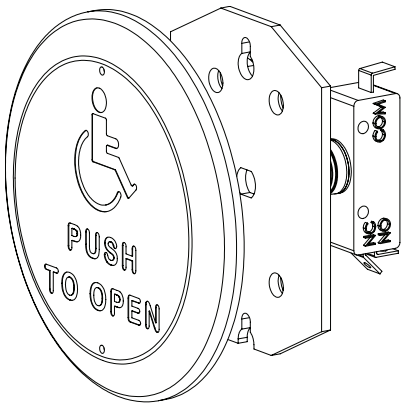
10PBR4510PTS
Push To Slow
Text and Logo



10PBR4510
Plain Face
No Graphic

The PBR45 series is a smaller solution to the standard 6 inch PBR series push plate. This 4½ inch design features the same functionality with a more aesthetically pleasing size.

COMPONENTS VIEW



FEATURES

- Smaller, refined design makes an ideal application for many knowing act applications
- Beveled edges are less susceptible to damage by deflecting harsh impacts from any side
- Stainless steel finish is scratch/scuff resistant and will not deteriorate or rust from exposure to liquids and other cleaning agents
- Graphics are etched onto the faceplate for maximum durability
- Available in various styles to fit almost any application, hard wired or wireless

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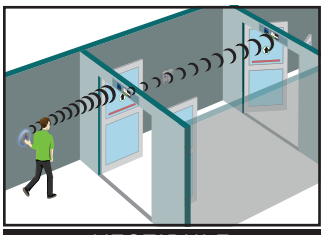
LOW ENERGY



VESTIBULE

REQUEST TO EXIT

APPLICATIONS

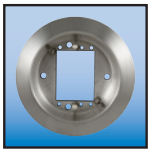
BENEFITS

- Grade 304 stainless steel maximizes corrosion resistance and prevents rusting
- Stainless steel materials are 100% recyclable and environmentally friendly
- Options include hard wired and wireless mounting
- Compatible wireless frequencies include 433, 390 or 300 MHz

MOUNTING ACCESSORIES

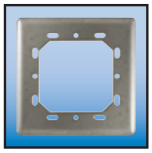
10BOX45RNDSM
Surface Mount

10BOX45RNDFM
Flush Mount

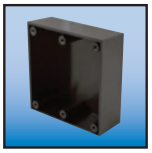


10ESCUTCHEON45
Stainless Steel
Surface Mount

10WRRND45
4.5 inch
Weather Ring

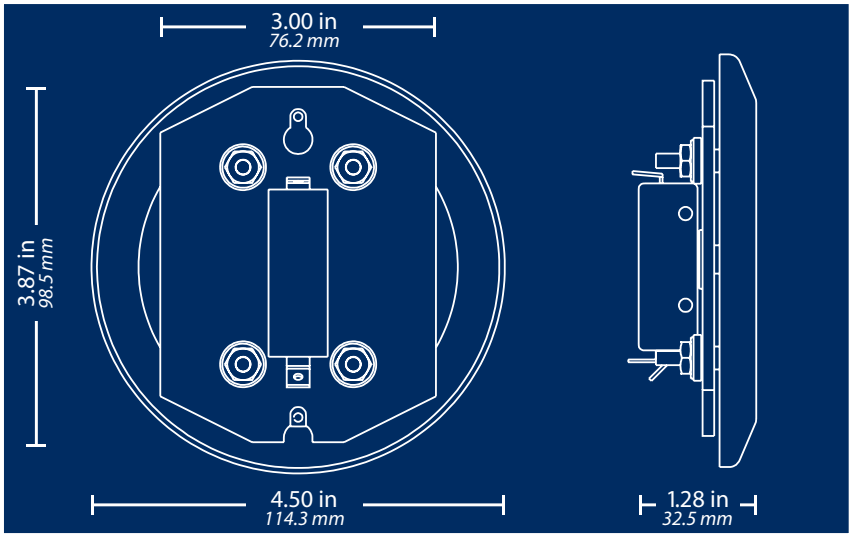


10BRINGC
Universal
Back Plate



10BOXDG4H
4 x 4 inch
Surface Mount

DIMENSION DETAILS



BACK SIDE

TECHNICAL SPECIFICATIONS

Materials	Faceplate: 16 gauge, 304 2B Stainless Steel Backplate: 1/8 inch thick, Aluminum Mounting Screws: Stainless Steel, 6-32 × 1 in & 8-32 × 1 in Allen Head Size: 5/64
Cherry Switch	Single-pole, 15 A, COM/NO/NC
Compatible Wireless Frequencies	433, 390 and 300 MHz

Specifications are subject to change without prior notice.

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STAINLESS STEEL • EASY INSTALLATION

4½" SQUARE

PBS45 SERIES PUSH PLATES

This square push plate is the perfect solution for fast and easy installation. Screws on the front plate allow for quick removal while still remaining functional, aesthetically appealing and weather resistant.

- Faceplate screws allow for easy installation
- Highly visible, unobtrusive and aesthetically pleasing design
- Beveled edges provide resistance to tampering and vandalism
- Graphics are etched onto the faceplate for maximum durability
- Stainless steel components will not deteriorate or rust
- Available in multiple styles to meet specifications or customer requests

TECHNICAL SPECS

A. 16 gauge, 304 2B Stainless Steel Faceplate

B. 1/8 in thick, Stainless Steel Backplate

C. Stainless Steel 6 – 32 x 1 in and 8 – 32 x 1 in Allen head mounting screws

D. Cherry Switch: Single-pole, 15A, COM / NO / NC contacts

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PRODUCT FAMILY

10PBS451
Text & Logo

10PBS45LL
Logo Only

10PBS45
Text Only

10PBS4510
Plain Face

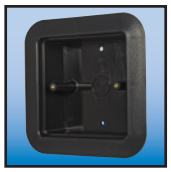
10PBS451B
Text & Logo – Blue

10PBS45B
Text Only – Blue

10PBS45POD
Press To Operate

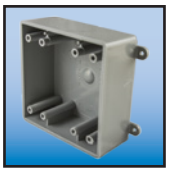
MOUNTING ACCESSORIES

10BOX45SQSM
Surface Mount



10BOX45SQFM
Flush Mount

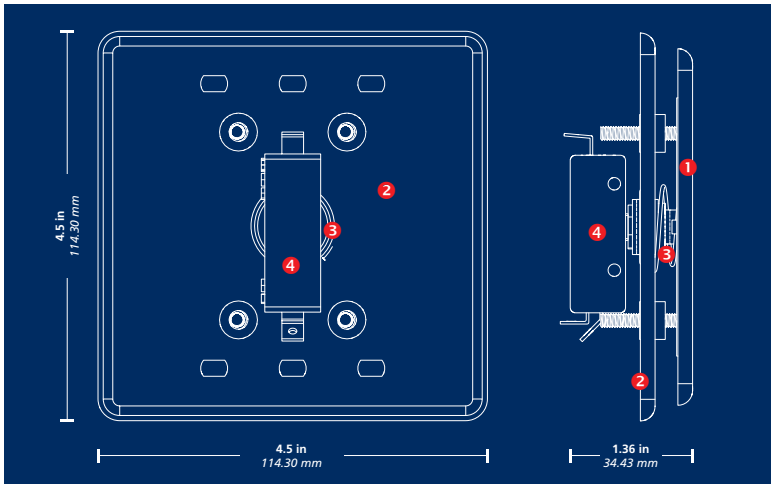
10BOXDGSM
Standard Double Gang



10BOXDG45C
Carlon Surface Mount

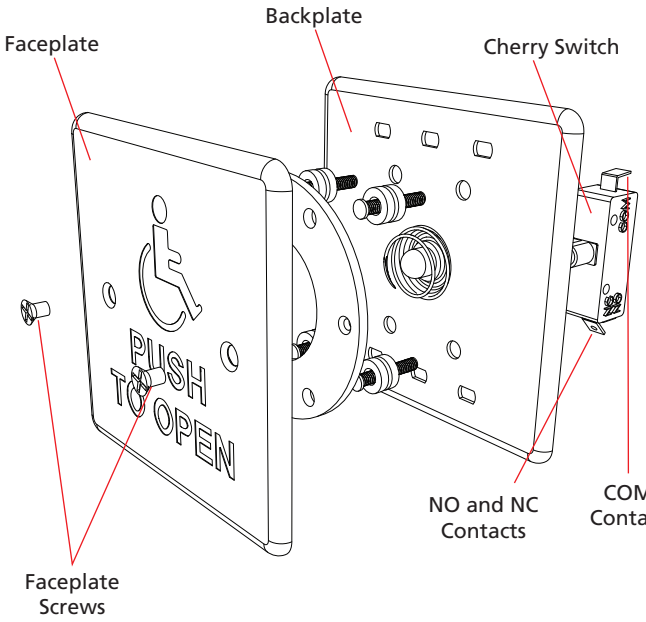
10BRINGC
Electrical Box Backplate

COMPONENTS



1. Faceplate
2. Backplate
3. Spring Assembly
4. Cherry Switch

DETAILS



RELATED PRODUCTS

Bollards
Mounting Post with recessed push plate

Push Buttons
Access Control push solution for any indoor application

MS08U
Touchless Push Plate utilizing microwave motion technology

RF-433
433 MHz digital receivers and transmitters with sequencing function

R2E-100
UL / ULC Listed, Active Infrared, Request To Exit Detector designed for access control applicatior

International Door Closers, Inc.
West: 800-544-4422 • East: 800-225-6737
www.intldoorclosers.com

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PREMIUM PUSH PLATES

4¾" PUSH PLATES

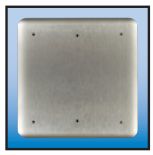
PBS SERIES

PREMIUM PUSH PLATES
FOR KNOWING ACT APPLICATIONS

PRODUCT FAMILY – PBS SERIES

10PBS1
Push To Open
Text and Logo

10PBS
Push To Open
Text Only



10PBS10
Plain Stainless
Steel Face Plate

10PBSLL
Large Handicap
Logo Only

10PBSE
Push To Exit
Text Only

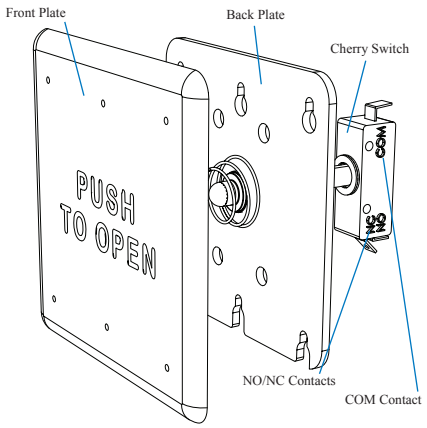
10PBS1B
Blue Finish
Text and Logo

10PBS1SB
Satin Brass Finish
Text and Logo

10PBS1BB
Mirror Brass Finish
Text and Logo

The PBS Series is a standard 4¾" square push plate with a highly durable design and embossed graphics. The PBS Series push plate is a stainless steel, aesthetically pleasing and weather resistant actuator.

COMPONENTS VIEW



FEATURES

- The push plate surface area is optimal for bollard and wall mount applications while not detracting from the surrounding architecture
- Beveled edges provide a tamper / vandal resistant solution
- Activation across the entire surface area of the push plate
- Stainless steel finish is resistant to scratches & scuffing as well as rust
- Text and logo are abrasive etched onto the surface for maximum durability
- Available in multiple styles to meet specifications and customer requests
- A standard weather boot protects the cherry switch from harsh environments

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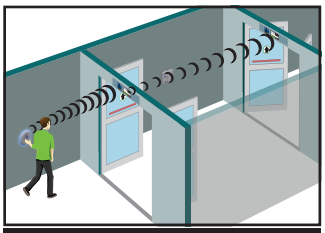


APPLICATIONS

RELATED PRODUCTS

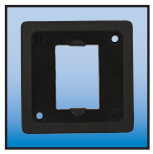
BENEFITS

- Grade 304 stainless steel maximizes corrosion resistance and reduces rusting
- Stainless steel materials are 100% recyclable and environmentally friendly
- Available in hard wired and wireless options (RF 433, 390 or 300 MHz)

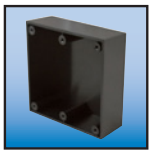
MOUNTING ACCESSORIES

10BOX475SQSM
Surface Mount

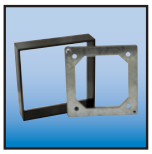
10BOX475SQFM
Flush Mount



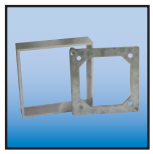
10WRSQ475
4¾ inch
Weather Ring



10BOXDG4H
4 × 4 inch
Surface Mount

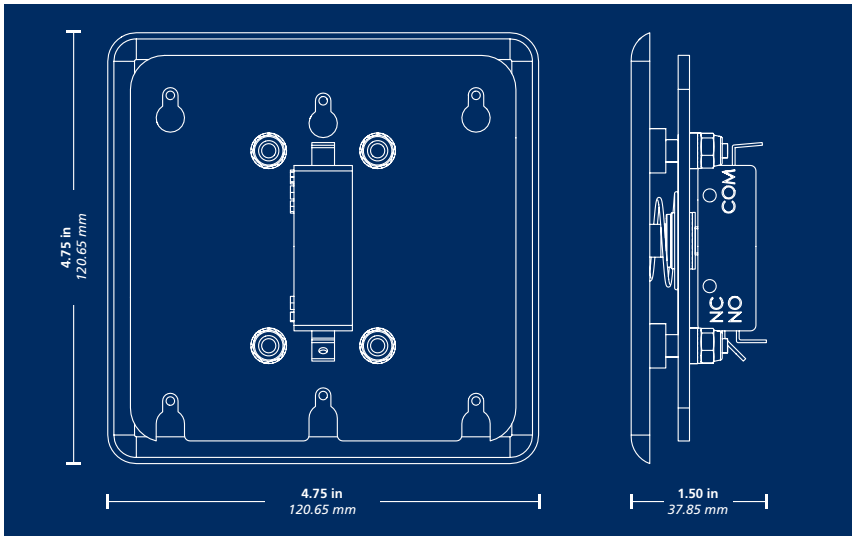


10PBBRACKET
Surface
Mount Kit



10PBBRACKETCA
Clear Anodized
Surface Mount

DIMENSION DETAILS



BACK SIDE

TECHNICAL SPECIFICATIONS

Materials	Faceplate: 16 gauge, 304 2B Stainless Steel Backplate: 1/8 inch thick, Aluminum Mounting Screws: Stainless Steel, 6-32 × 1 in & 8-32 × 1 in Allen Head Size: 5/64
Cherry Switch	Single-pole, 15 A, COM/NO/NC
Compatible Wireless Frequencies	433, 390 or 300 MHz

Specifications are subject to change without prior notice.

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PREMIUM PUSH PLATES

6" PUSH PLATES

PBR SERIES

10PBR1 shown with optional surface mount box
(All mounting options are sold separately)

The PBR series is a standard 6 inch round push plate with a premium design for wall applications, as well as functional, aesthetically appealing and weather resistant.

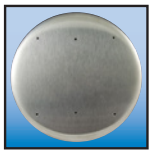
PREMIUM PUSH PLATES FOR KNOWING ACT APPLICATIONS

PBR SERIES

10PBR
Push To Open
Text Only

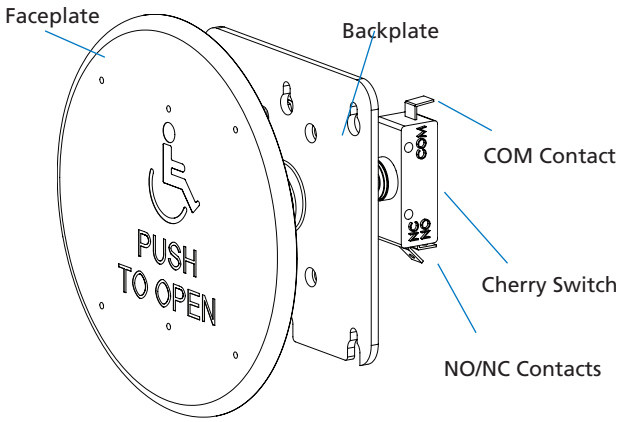
10PBR1
Push To Open
Text and Logo

10PBRLL
Handicap
Logo Only



10PBR10
Plain Face
No Graphic

COMPONENTS VIEW



FEATURES

- Larger surface area for high visibility
- Beveled edges are less susceptible to damage by deflecting harsh impacts from any side
- Stainless steel finish is scratch/scuff resistant and will not deteriorate or rust from exposure to liquids and other cleaning agents
- Graphics are etched onto the faceplate for maximum durability
- Available in various styles to fit almost any application, hard wired or wireless

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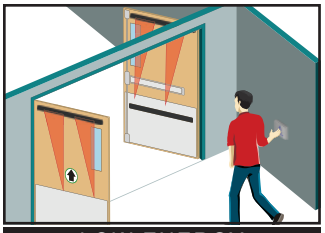
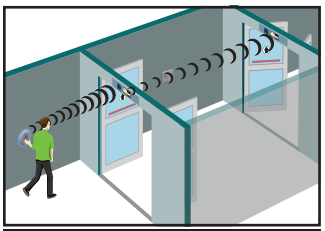


LOW ENERGY



VESTIBULE

REQUEST TO EXIT

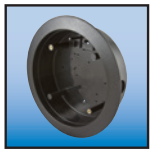
APPLICATIONS

BENEFITS

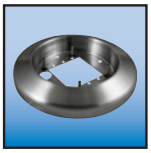
- Grade 304 stainless steel maximizes corrosion resistance and prevents rusting
- Stainless steel materials are 100% recyclable and environmentally friendly
- Options include hard wired and wireless mounting
- Compatible wireless frequencies include 433, 390 or 300 MHz

MOUNTING ACCESSORIES

10BOX6RNDSM
Surface Mount

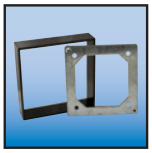


10BOX6RNDFM
Flush Mount

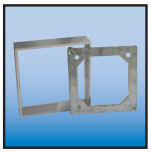


10ESCUTCHEON
Stainless Steel
Surface Mount

10WRRND6
6 inch
Weather Ring

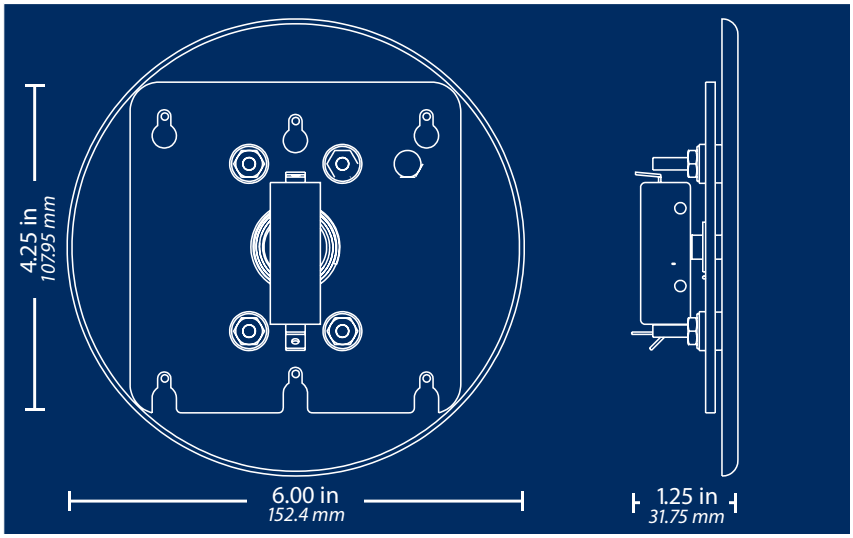


10PBBRACKET
Surface
Mount Kit



10PBBRACKETCA
Clear Anodized
Surface Mount

DIMENSION DETAILS



BACK SIDE

TECHNICAL SPECIFICATIONS

Materials	Faceplate: 16 gauge, 304 2B Stainless Steel Backplate: 1/8 inch thick, Aluminum Mounting Screws: Stainless Steel, 6-32 × 1 in & 8-32 × 1 in Allen Head Size: 5/64
Cherry Switch	Single-pole, 15 A, COM/NO/NC
Compatible Wireless Frequencies	433, 390 or 300 MHz

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PREMIUM PUSH PLATES

6" SQUARE

PBS6 SERIES

A larger solution of the square push plate, this 6" plate is more visible, easier to use, and doesn't distract from the architecture.

- Greater surface area of the push plate makes this push plate easy to use
- Beveled edges provide a tamper and vandal resistant solution
- Universal touch area at any "push" location
- Stainless steel finish is scratch/ scuff resistant and will not deteriorate or rust
- Text and logo are baked onto the surface for maximum durability
- Available in multiple styles to meet specifications and customer requests

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TECHNICAL SPECS

A. 16 gauge, 304 2B Stainless Steel Faceplate

B. 1/8" thick, Aluminum Back Plate

C. Stainless Steel 6-32 x 1" and 8-32 x 1" Allen head mounting screws

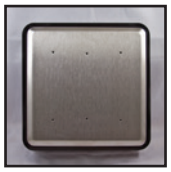
D. Cherry Switch: Single-pole, 15A, COM / NO / NC contacts

MOUNTING FEATURES

The mounting boxes for the 6" square push plates are built with a placeholder for the wireless transmitter's 9 Volt battery.

PBS6 SERIES FAMILY OF PRODUCTS

10PBS6 - Text only

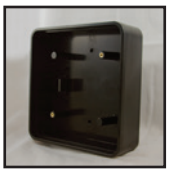


10PBS610 - Plain Face

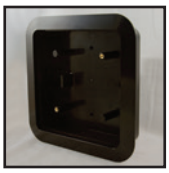
10PBS61 - Text and Logo

10PBS6LL - Logo only

PBS6 SERIES MOUNTING OPTIONS

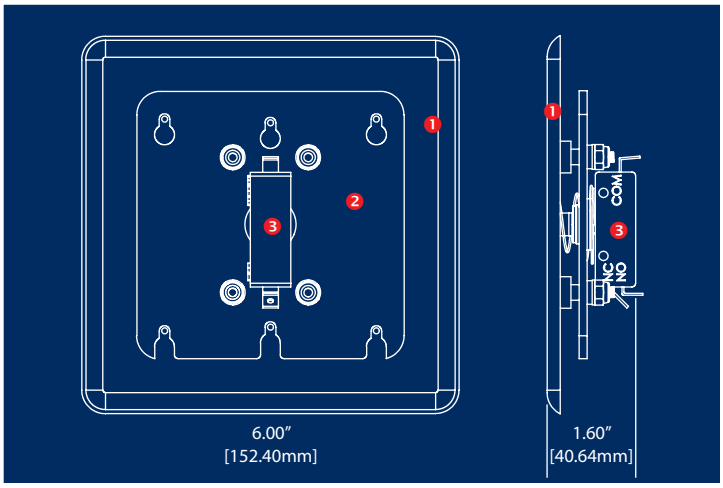


10BOX6SQSM - Surface Mount Box



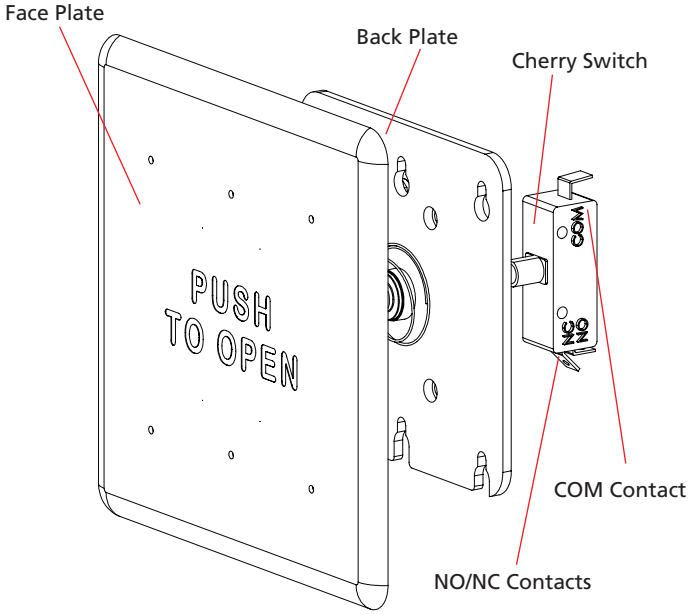
10BOX6SQFM - Flush Mount Box

COMPONENTS



❶ Front Plate
❷ Back Plate
❸ Cherry Switch

PBS6 SERIES DETAILS`



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36" FACEPLATE FOR MAXIMUM ACCESSIBILITY

LPR36 PUSH PLATE

ACCESSIBILITY SERIES

1ST PEDESTRIAN DOOR PUSH PLATE LISTED UNDER UL325

DAMAGE RESISTANT TO HEAVY DUTY IMPACTS

IDEAL FOR INDIVIDUALS WITH LIMITED MOBILITY

c UL us LISTED

The LPR36 maximizes accessibility and independence for people with disabilities. The entire surface is "all-active" with four redundant membrane switches for consistent coverage. The LPR36 is constructed from a stainless steel faceplate that makes it highly durable and able to withstand harsh weather conditions, while keeping it rust and corrosion free.

FEATURES

- 36 × 6 inch activation area
- Low profile and 1-inch thick with a stainless steel faceplate
- Clear, powdercoat finish reduces unwanted fingerprinting
- "All-active" faceplate allows activation from any angle
- Listed under UL325 for both US and Canada
- Exceeds the California Building Code: Section 1117B.6
- Can be mounted to either a wall or bollard in a few easy steps
- Ideal for users with limited mobility or when accessibility is key
- Optional built-in wireless transmitter is pre-installed in the top end cap

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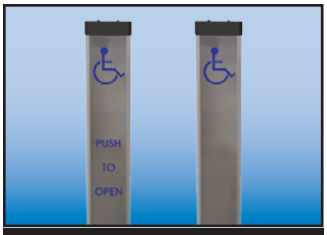
West: 800-544-4422 • East: 800-225-6737
www.intldoorclosers.com

WIRELESS OPTIONS
10LPR36[1]-*433*, *300*



HARDWIRED OPTION
10LPR36[1]-HW

10BOLLARD

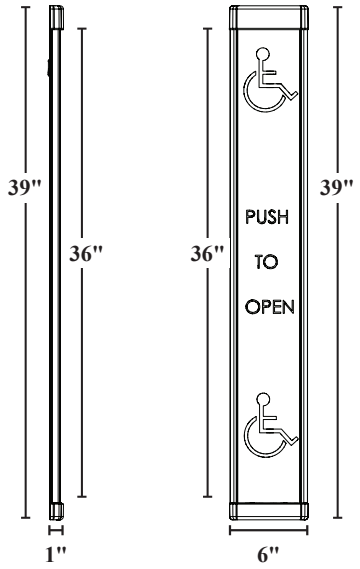
10BOLLARD[2]_WOH

BLK= *Black*, ***SLV***= *Silver*,
BRZ= *Bronze*

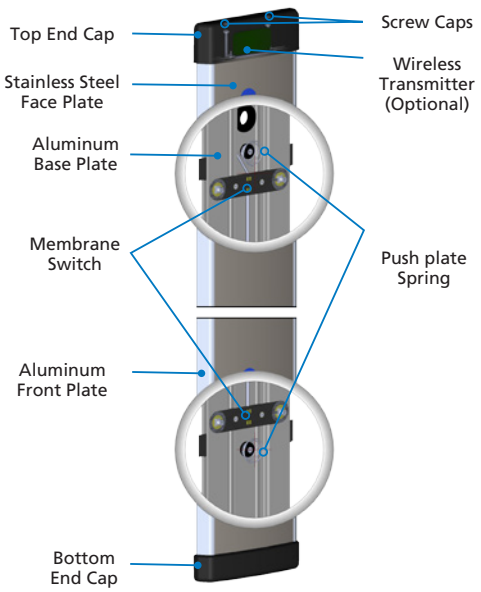
PRODUCT FAMILY

RELATED PRODUCTS

DIMENSION DETAILS



PRODUCT DETAILS



MATERIAL SPECIFICATIONS

Switch Traces	FR4 Gold Plated
Membrane Switches	3M 7993MP
Base Plate	Aluminum
Faceplate	Stainless Steel
End Cap	UL94 ABS

TECHNICAL SPECIFICATIONS

Contact Configuration	SPST N.O.
Switching Voltage	.1 to 50 VDC
Switching Capacity	1 Watt
Switching Current	.005 to 100 ma DC
Contact Bounce	< .3 ms make;
	< .6 ms break
Trip Force	1.5 lbs
Two Conductor Cabling	24 awg
7 x 32 stranding UL 1007	
Operation Temperature	-31° F to +212° F
	-35° C to +100° C
Contact Life	2 million cycles
Transmitter Frequency	300, 390, or 433 MHz

Specifications are subject to change without prior notice.

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HARD WIRE OR WIRELESS

PBDGP SERIES

DUAL VESTIBULE PUSH PLATE

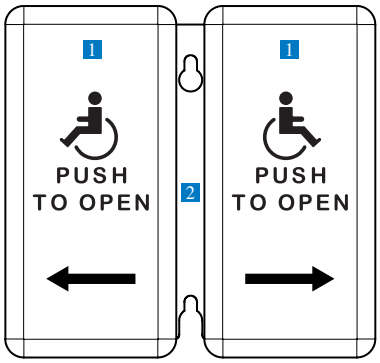
PREMIUM PUSH PLATE
FOR KNOWING ACT APPLICATIONS

PBDGP SERIES

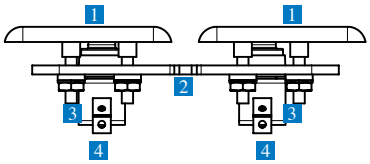
10PBDGP1
Push To Open
Text and Logo

The PBDGP Series, dual vestibule push plate, provides an aesthetically pleasing solution for vestibule applications. This provides an option to open one set of doors independently from the other set. Also, this push plate is an ideal addition to any automatic sequencing application.

COMPONENTS VIEW



1. Faceplates
2. Backplate
3. Cherry Switches
4. Contacts



FEATURES

- Provides a more efficient design for vestibule applications by eliminating the need for two separate push plate on a wall
- Beveled edges reduce accidental damage from any side
- Stainless steel faceplate is scratch/scuff resistant and will not deteriorate or rust from exposure to liquids and other cleaning products
- Graphics are etched onto the faceplates for maximum durability
- A weather boot is located between the faceplates and the backplate for all-weather applications

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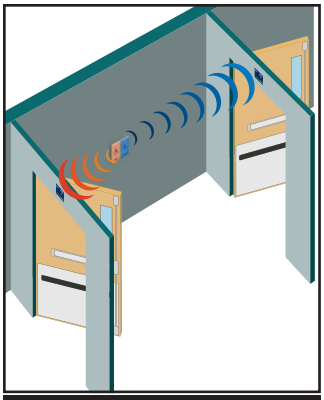
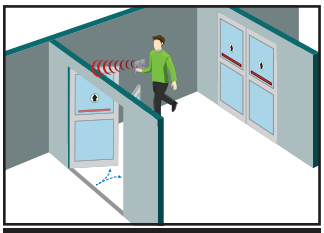
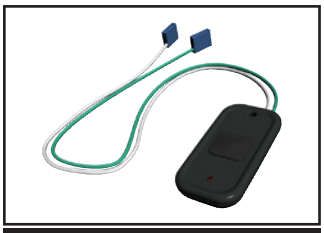


1 PLATE FOR 2 DOORS



OPEN ONLY ONE SET OF DOORS

10RD433 / 10RD433EH



10TD433PB3V

10BR3

APPLICATIONS

RELATED PRODUCTS

BENEFITS

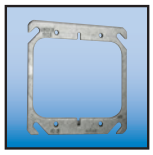
- Only one vestibule plate needed for interior vestibule applications
- Conserves energy by only opening selected doors
- Complements any dual vestibule sequencing application
- Provides entrapment protection

MOUNTING ACCESSORIES

10BOX475SQSM
4.75" Square Surface Mount

10BOX475SQFM
4.75" Square Flush Mount

10BOLLARD
IDC Mounting Post Bronze/Silver/Black

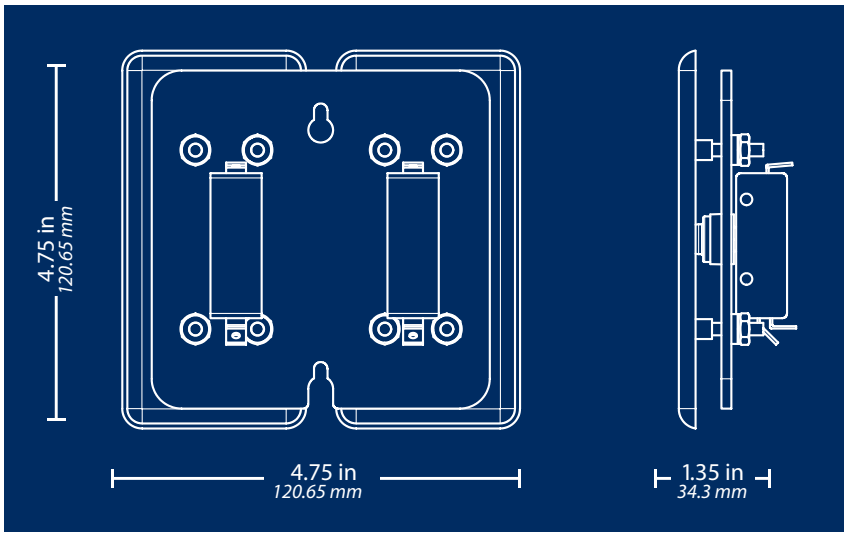


50.5016
Mounting Adapter Ring

10BOXDG45C
Plastic Surface Mount Box

10BOXDGSM
Double Gang Surface Mount

DIMENSION DETAILS



BACK SIDE

TECHNICAL SPECIFICATIONS

Materials	Faceplate: 16 gauge, 304 2B Stainless Steel Backplate: 1/8 inch thick, Aluminum Mounting Screws: Stainless Steel, 6-32 × 1 inch; 8-32 × 1 inch Allen Head Size: 5/64
Cherry Switch	Single-pole, 15 A, COM/NO/NC
Compatible Wireless Frequencies	433, 390 or 300 MHz

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E A S Y I N S T A L L A T I O N

1½" X 4¾" JAMB STYLE

PBJM SERIES

INNOVATION QUALITY SERVICE

The PBJM Series is designed to fit neatly into a IDC jamb style push plate box and is a practical solution to guide rail applications.

- Narrow design makes an easy application on guide rails and swing doors
- Beveled edges provide a tamper and vandal resistant solution
- Universal touch area at any "push" location
- Stainless steel finish is scratch/scuff resistant and will not deteriorate or rust
- Text and logo are baked onto the surface for maximum durability
- Available in multiple colors and styles to meet specifications and
- Customer requests

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TECHNICAL SPECS

A. 16 gauge, 304 2B Stainless Steel Faceplate

B. 1/8" thick, Aluminum Back Plate

C. Stainless Steel 6-32 x 1: Allen head mounting screws

D. Cherry Switch: Single-pole, 15A, COM / NO / NC contact

PBJ SERIES FAMILY OF PRODUCTS

10PBJ - Text only

10PBJL - Logo only

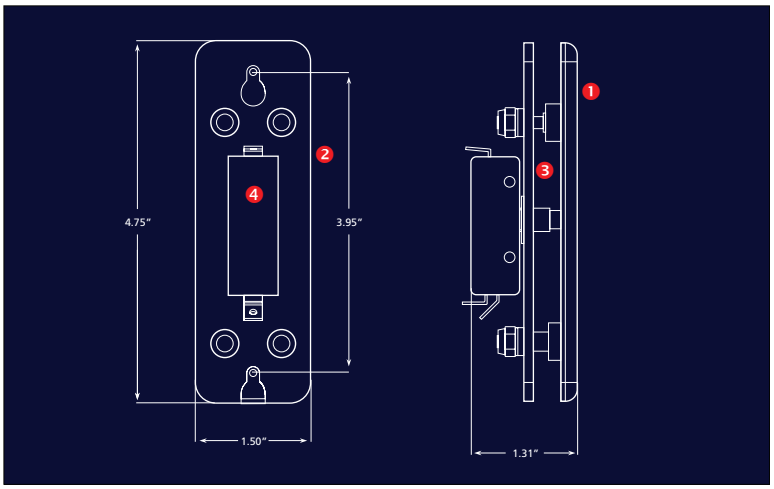
10PBJ1 - Text and Logo

10PBJ10 - Plain

10PBJ1B - Text and Logo Blue

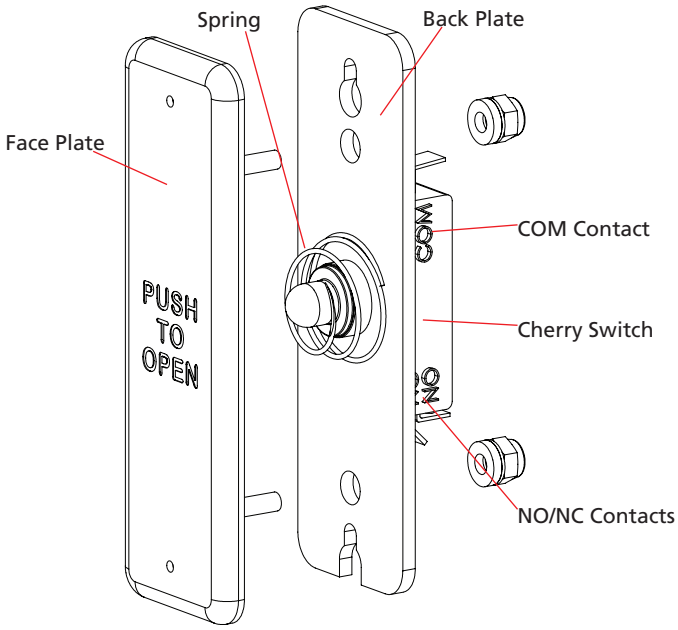
10PBJLB - Logo only Blue

COMPONENTS

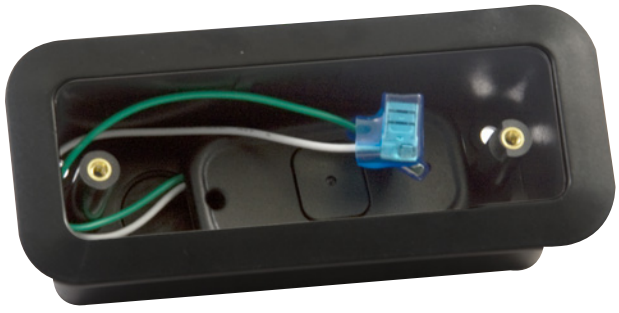


1. Front Plate
2. Back Plate
3. Weatherboot
4. Cherry Switch

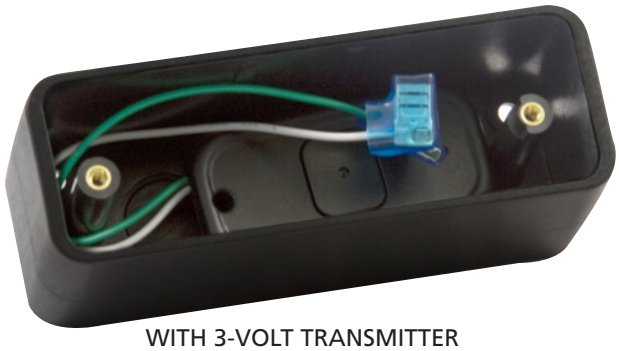
PBJ SERIES DETAILS



FLUSH MOUNT BOX

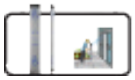

WITH 3-VOLT TRANSMITTER

SURFACE MOUNT BOX


WITH 3-VOLT TRANSMITTER

RELATED PRODUCTS

10BOXJAMBFM
Jamb Flush Mount Box


LPR Push plate
36" Faceplate For Maximum Accessibility

10TD433PB3V
3-Volt Transmitters are Used with the Mounting Boxes

10BOXJAMBSM
Jamb Surface Mount Box

10RD433
Digital Receiver with Sequencing Function

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EASY INSTALLATION

1½" X 4¾" JAMB STYLE

PBJMS SERIES

PRODUCT DESCRIPTION

- Microswitch design allows for easy installation
- Beveled edges provide a tamper and vandal-proof solution
- Universal touch area at any "push" location
- Stainless steel finish is scratch/scuff resistant and will not deteriorate or rust
- Text and logo are baked onto the surface for maximum durability
- Available in two styles; with plain logo or logo and text

The PBJM Series is designed to fit neatly into a jamb style push plate box or to be mounted directly to a door jamb.

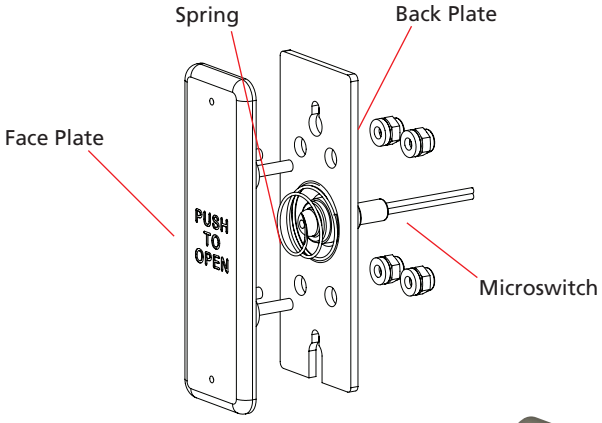
TECHNICAL SPECS

A. 16 gauge, 304 2B Stainless Steel Faceplate

B. 1/8" thick, Aluminum Back Plate

C. Stainless Steel 6-32 x 1: Allen head mounting screws

D. C&K Switch: Single-pole, 1A

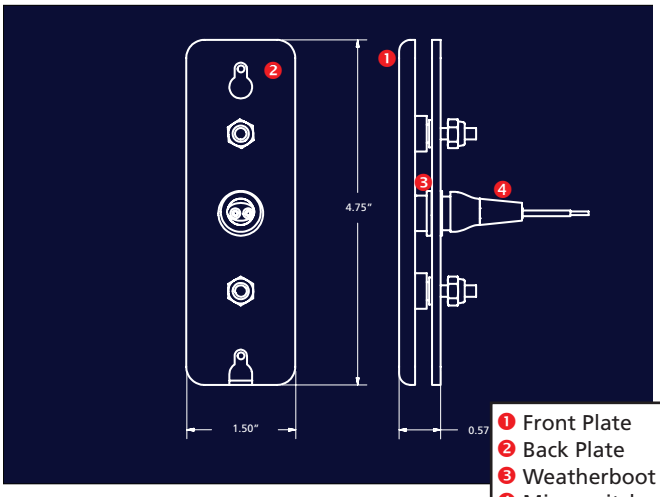


PBJ SERIES FAMILY OF PRODUCTS

10PBJM1 - Text and Logo

10PBJML - Logo only

COMPONENTS

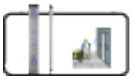


Flush Mount Box
With 3-Volt Transmitter

Surface Mount Box
With 3-Volt Transmitter

RELATED PRODUCTS

10BOXJAMBFM
Jamb Flush Mount Box



LPR Push plate
36" Faceplate For Maximum Accessibility

10BOXJAMBSM
Jamb Surface Mount Box

10RD433
Digital Receiver with Sequencing Function

10TD433PB3V
3-Volt Transmitters are Used with the Mounting Boxes

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EASY INSTALLATION

1¾" X 4½" JAMB STYLE

PBJMS SERIES

PRODUCT DESCRIPTION

- Microswitch design allows for easy installation
- Beveled edges provide a tamper and vandal-proof solution
- Universal touch area at any "push" location
- Stainless steel finish is scratch/scuff resistant and will not deteriorate or rust
- Text and logo are baked onto the surface for maximum durability
- Available in two styles; with plain logo or logo and text

TECHNICAL SPECS

A. 16 gauge, 304 2B Stainless Steel Faceplate

B. 1/8" thick, Aluminum Back Plate

C. Stainless Steel 6-32 x 1: Allen head mounting screws

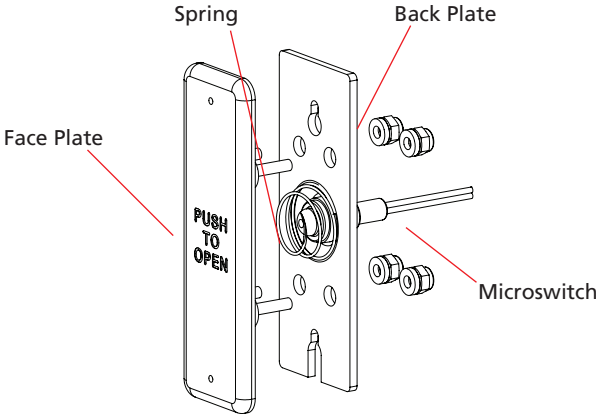
D. C&K Switch: Single-pole, 1A

The PBJMS Series is a practical solution to guide rail applications. The narrow body allows for a clean sleek look without the installation of a larger plate or bollard.

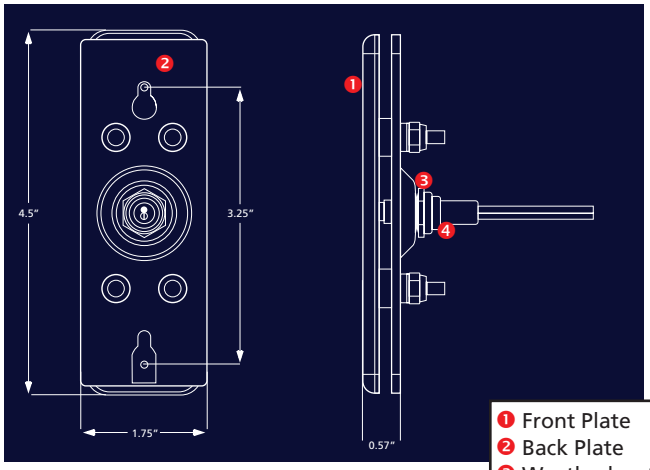
PBJ SERIES FAMILY OF PRODUCTS

10PBJMS1 - Text and Logo

10PBJMSLL - Logo only



COMPONENTS



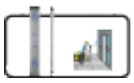
1. Front Plate
2. Back Plate
3. Weatherboot
4. Microswitch

Flush Mount Box
Note: Wireless transmitters for the RF-433 will not fit

Surface Mount Box
With PBJMSLL push plates

RELATED PRODUCTS

10BOXJAMBSM
Jamb Surface Mount Box



LPR Push plate
36" Faceplate For Maximum Accessibility

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TOUCHLESS TECHNOLOGY ACTIVATION SENSORS

MS08 SERIES

MAGIC SWITCH

10MS08U (above) contains single and double gang, black faceplates with wave to open text
MS08U CUSTOM offers a choice of faceplate styles

FEATURES

- Touchless technology is ideal for use in sterile environments (i.e. clean-rooms, healthcare facilities, food processing plants)
- Can be hidden from view by installing the microwave sensor behind non-metallic surfaces (i.e. mounted behind drywall)
- Variable adjustment of detection zone from 4 to 24 inches
- Water-resistant foam gasket provides increased reliability when exposed to water or cleaning products
- Low profile, beveled design reduces accidental damage

APPLICATIONS

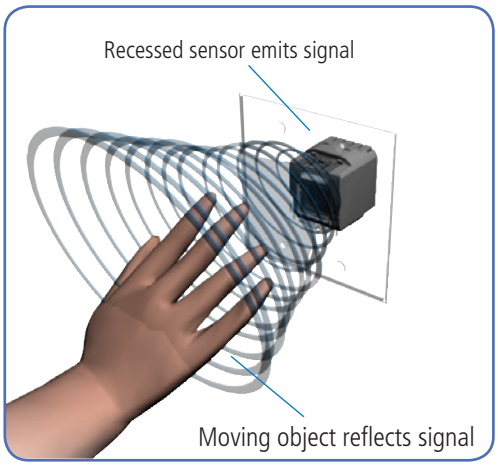
- Sterile environments (clean-rooms, operating rooms, pharmaceutical, manufacturing, etc.)
- Healthcare facilities (hospitals, assisted living, eldercare, etc.)
- Food processing plants (reduces cross-contamination)
- Architectural specific applications (low-profile requirement)

Easy Installation

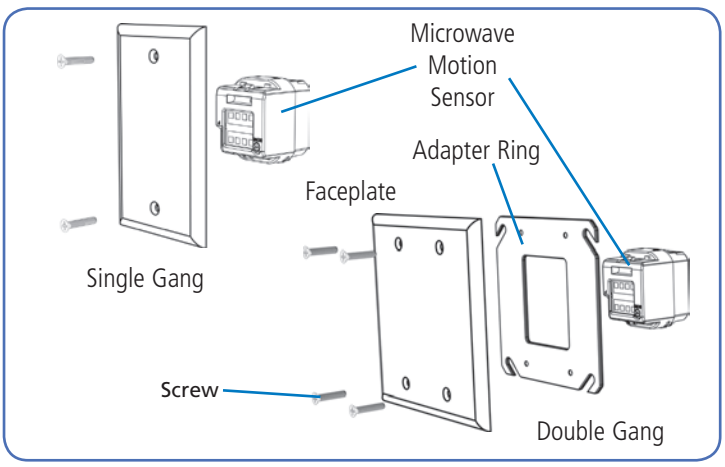
The MS08 utilizes microwave technology and the Doppler Radar effect. This Doppler Radar effect emits a signal that, when reflected by a moving object (i.e. a hand, cart, wheelchair, etc.), activates the door.

This touchless feature greatly reduces the spread of bacteria commonly found on push plates requiring a physical touch for activation.

How It Works



Components View



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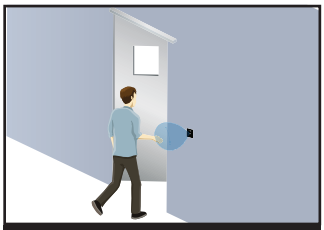
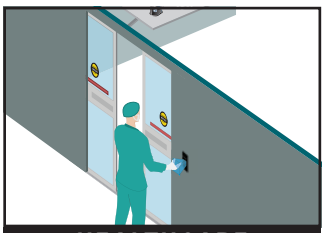
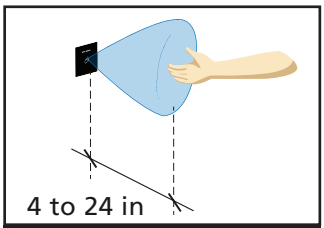

PEDESTRIAN SWING DOOR


HEALTHCARE



DETECTION ZONE

MS09

MS21H SERIES

MS21W SERIES

MS08 SERIES

70.5226
Single Gang
Black with Text

70.5227
Double Gang
Black with Text

70.5272
Single Gang
Solid Black

70.5273
Double Gang
Solid Black

70.5278
Single Gang
Black with Logo

70.5279
Double Gang
Black with Logo

70.5268
Single Gang
White with Text

70.5269
Double Gang
White with Text

70.5274
Single Gang
Solid White

70.5275
Double Gang
Solid White

70.5270
Single Gang
Cream with Text

70.5271
Double Gang
Cream with Text

70.5276
Single Gang
Solid Cream

70.5277
Double Gang
Solid Cream

10BOX24SGSM
Single Gang
Surface Mount

10BOXDGSM
Double Gang
Surface Mount

10BOXDG45C
4.5" Carlon
Surface Mount

TECHNICAL SPECIFICATIONS

Technology	Microwave Motion Sensor
Radiated Frequency	24.125 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Radiated Power Density	< 5 mW/cm²
Detection Mode	Motion (bidirectional)
Detection Range	4 to 24 inches (adjustable)
Output	Relay with switch-over contact (free of potential)
Max. Voltage	60 VDC; 125 VAC
Max. Current	1 A (resistive)
Max. Switching Power	30 W (DC); 60 VA (AC)
Output Hold Time	0.5 s (in pulsed mode)
Supply Frequency	50 to 60 Hz
Supply Voltage	12 to 24 VAC ± 10% 12 to 24 VDC + 30%; – 10%
Power Consumption	< 1.5 W
Material / Colors	ASA, Nylon, PC / Black, White, Cream
Cable Length	Standard cable up to 16 AWG - 1.5 mm²
Temperature Range	–4°F to +131°F
Certifications	EMC: 2004 / 108 / EC; FCC: G9B-MS08; IC: 4680A-MS08

Specifications are subject to change without prior notice.

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TOUCHLESS TECHNOLOGY ACTIVATION SENSORS

MS09 SERIES

MAGIC SWITCH

Easy Installation

FEATURES

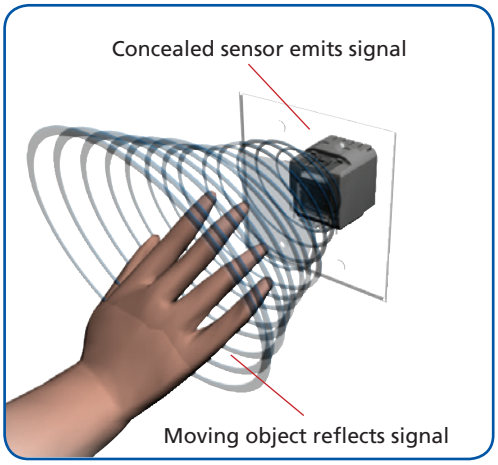
- Touchless technology is ideal for use in sterile environments (i.e. clean-rooms, healthcare facilities, food processing plants)
- Can be hidden from view by installing the microwave sensor behind non-metallic surfaces (i.e. mounted behind drywall)
- Variable adjustment of detection zone from 4 to 24 inches
- Water-resistant foam gasket provides increased reliability when exposed to water or cleaning products
- Low profile, beveled design reduces accidental damage

APPLICATIONS

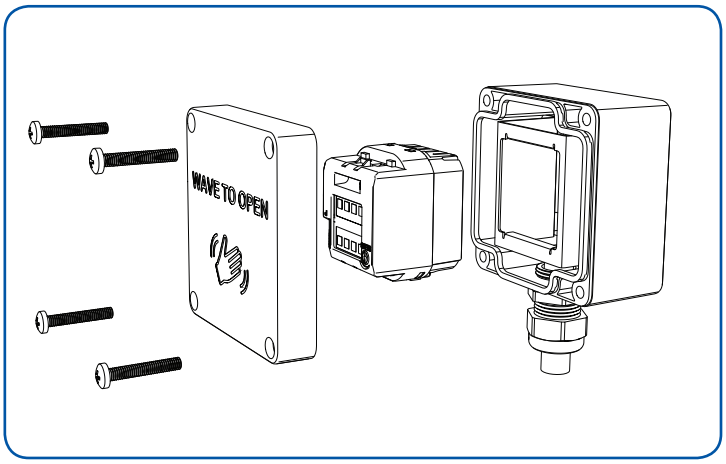
- Sterile environments (clean-rooms, operating rooms, pharmaceutical, manufacturing, etc.)
- Healthcare facilities (hospitals, assisted living, elder care, etc.)
- Food processing plants (reduces cross-contamination)
- Wash down environments

The NEMA 4 rated MS09 utilizes microwave motion technology and the Doppler Radar effect. The MS09 detects moving objects such as a hand, cart or wheelchair. It is also not affected by stationary objects or changes in temperature.

How It Works



Components View



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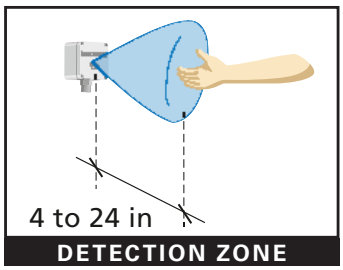

MS09 SERIES

10MS09TL
Wave To Open Text and Logo

10MS09L
Wave To Open Logo

TECHNICAL SPECIFICATIONS

Technology	K-Band Microwave Doppler Radar
Radiated Frequency	24.125 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Radiated Power Density	< 5 mW/cm²
Detection Mode	Motion (bidirectional)
Detection Range	4 to 24 inches (adjustable)
Output	Relay with switch-over contact (free of potential)
Max. Voltage	60 VDC; 125 VAC
Max. Current	1 A (resistive)
Max. Switching Power	30 W (DC); 60 VA (AC)
Output Hold Time	0.5 s (in pulsed mode)
Supply Frequency	50 to 60 Hz
Supply Voltage	12 to 24 VAC ± 10% 12 to 24 VDC + 30%; – 10%
Power Consumption	< 1.5 W
Material / Colors	ASA, Nylon / White
Cable Type	Compatible with standard, 4-conductor low voltage cable *(not suppied)*
Temperature Range	–4°F to +131°F
Degree of Protection	NEMA 4
Certifications	EMC: 2004 / 108 / EC; FCC: G9B-MS08; IC: 4680A-MS08

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MS21H TOUCHLESS SOLUTIONS PERFORMANCE SERIES

MAGIC SWITCH

MS21H SERIES

Wave Goodbye to Germs
Say Hello to Touchless Activation

MS21H SERIES

10MS21HR1
6" Round
Text & Logo

10MS21HR
6" Round
Text ONLY

10MS21HRLL
6" Round
Logo ONLY

10MS21HS1
4¾" Square
Text & Logo

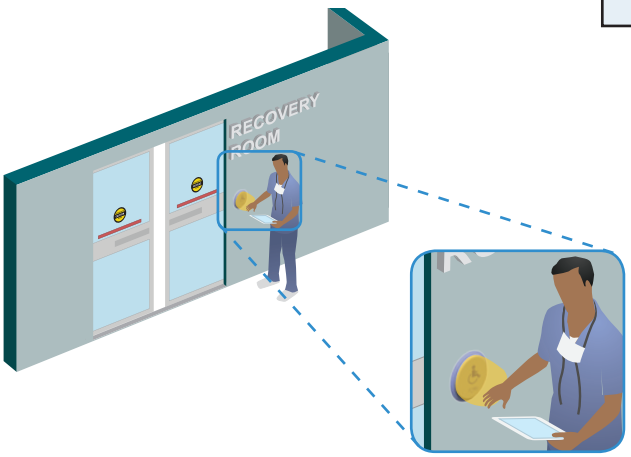
10MS21HS
4¾" Square
Text ONLY

10MS21HSLL
4¾" Square
Logo ONLY

The MS21 is a state-of-the-art touchless activation plate that utilizes capacitance technology to detect and trigger activation in automatic doors. The low profile, hands-free MS21 includes a stainless steel faceplate and illuminated LED mounting ring for maximum durability and visibility. Other innovative features include adjustable detection zones, audible alerts, NEMA 4-rated enclosure and customizable faceplate text and logos.

The MS21 combines form and function into an aesthetically pleasing design that is ideal for healthcare facilities, clean rooms, washdown areas and a variety of other applications.

TOUCHLESS SOLUTION ELIMINATES SPREAD OF GERMS



FEATURES AND BENEFITS

- Touchless design reduces spread of bacteria, disease and contamination
- LED illumination increases plate visibility
- Stainless steel faceplate improves durability and reduces deterioration caused by liquids and other cleaning agents
- Low profile, beveled design reduces accidental damage from errant objects like carts or hospital beds
- Various design options available to match any application
- Audible alert can be turned on or off to signal activation
- Adjustable detection zone provides added levels of customization

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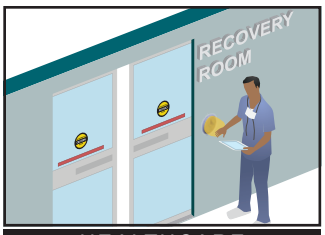
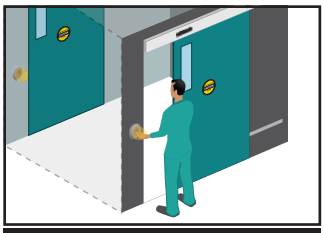
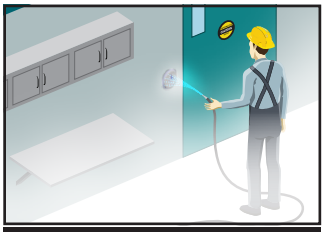


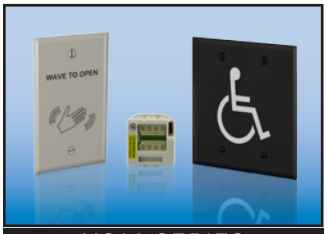
HEALTHCARE



CLEAN ROOMS



WASHDOWN



MS08 SERIES

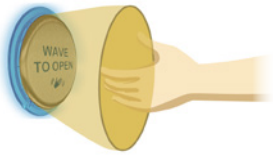
MS09 SERIES

APPLICATIONS

MAGIC SWITCH FAMILY

DETECTION SETTINGS

Touch Plate for
Untrained Traffic

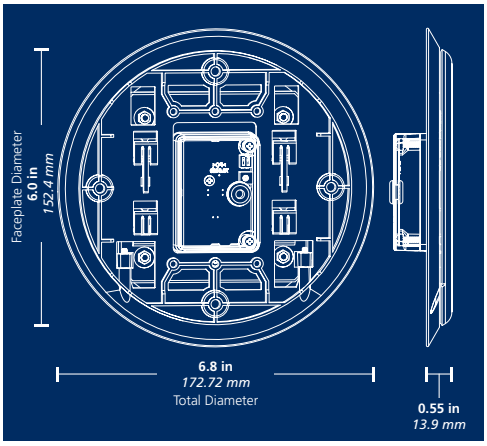


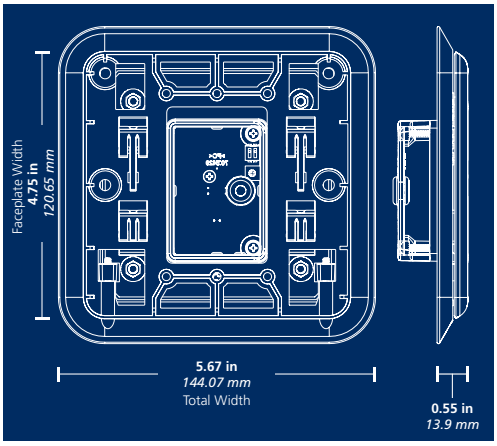
Touchless for
Trained Traffic

APPLICATIONS

- Hospitals and Healthcare Facilities
- Clean Rooms
- Colleges and Universities
- Elder-care Facilities
- Professional Buildings
- Retail

DIMENSION DETAILS





TECHNICAL SPECIFICATIONS

Technology Type	Knowing Act / Capacitance Technology
Detection Mode	Capacitance / Proximity
Supply Voltage	12 to 24 VAC / VDC; ±10%
Current Consumption	30 mA
Temperature Range	-20°F to +120°F
Degree of Protection	NEMA 4
Sensing Zone	Maximum sensing zone will vary depending on the following: Size (area) of an object I orientation of an object I speed of an object I environmental conditions
Relay	1 Form A solid-state relay; 0.4 A, 60 VAC / VDC
Cable Length	10 inches (5 conductor)
Material	Stainless Steel (faceplate) Clear Polycarbonate (Mounting Ring and Backplate Enclosure)

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WEATHER RESISTANT AND WIRELESS

PANTHER PLATES

PUSH PLATES

Panther plates are an easy to mount, wireless, 4¾ inch and 6 inch round, or 4¾ inch square style PUSH PLATES with an RF 433 code-encrypted security transmitter.

Panther plates are weather-resistant, NEMA 4 rated and offer a complete solution for wireless applications.

ALL-IN-ONE PLATE, BOX AND TRANSMITTER SOLUTION

PRODUCT FAMILY

10EMR61
6" Round
Text & Logo

10EMR6
6" Round
Text Only

10EMR6L
6" Round
Logo Only

10EMR4751
4.75" Round
Text & Logo

10EMR475
4.75" Round
Text Only

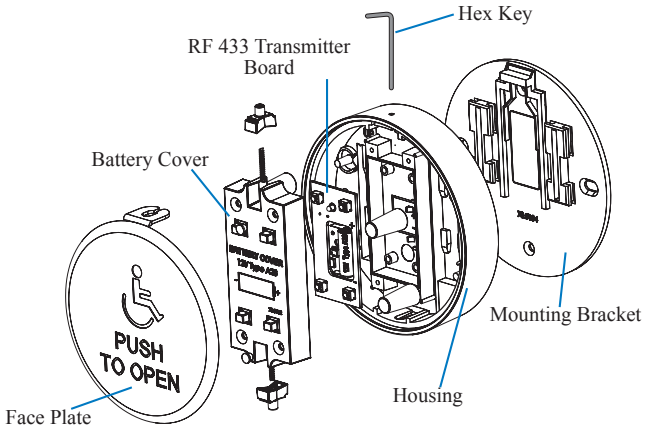
10EMR475L
4.75" Round
Logo Only

10EMS4751
4.75" Square
Text & Logo

10EMS475
4.75" Square
Text Only

10EMS475L
4.75" Square
Logo Only

COMPONENTS (EMR SERIES SHOWM)



FEATURES

- Faceplate surface is made of durable stainless steel
- Tamper-resistant, recessed faceplate with beveled edges
- Slim-line profile with no visible mounting holes
- The fully-assembled unit installs easily with a mounting plate
- Can be used to cover any existing single or double gang boxes
- The housing can be directly installed to any flat surface such as a wall or mounting post (Bollard) using standard screws

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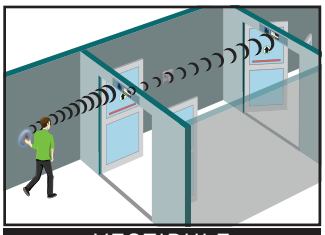
LOW ENERGY



VESTIBULE

REQUEST TO EXIT

APPLICATIONS

BOLLARDS

PUSH PLATES

MAGIC SWITCH

RELATED PRODUCTS

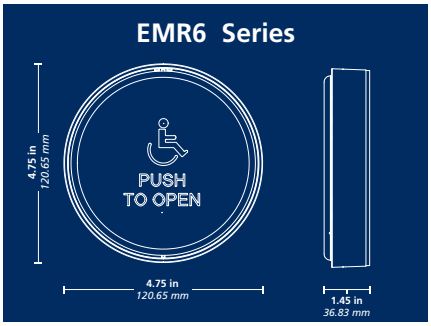
BENEFITS

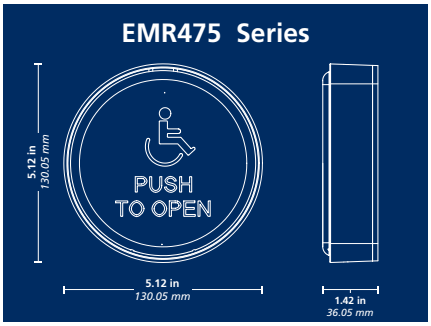
- NEMA 4 rated enclosure
- 6 inch and 4.75 inch models
- 304 stainless steel for maximum durability
- Stainless steel materials are 100% recyclable)

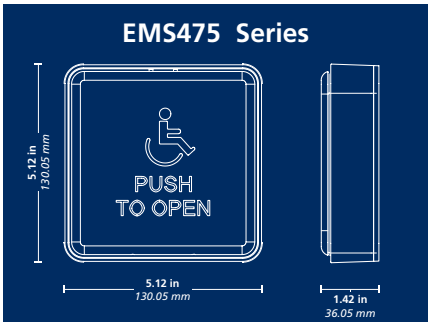
MOUNTING ACCESSORIES

- Hospitals and Healthcare Facilities
- Clean Rooms
- Colleges and Universities
- Elder Care Facilities
- Professional Buildings
- Harsh Environments

DIMENSION DETAILS







TECHNICAL SPECIFICATIONS

Dimensions	
EMR6 Series (Ø × D)	6.29 in × 1.45 in
EMR475 Series (Ø × D)	5.12 in × 1.42 in
EMS475 Series (W^2 × D)	5.12 in × 1.42 in
Mounting Options	Any Flat Surface or Bollard
Transmitter Design	
Transmitter Type	Encrypted Rolling Code
Transmitter Frequency	433 MHz
Power Source	12 V Type A23 (included)
Finish	16 Gauge, 304 2B Stainless Steel
Certification	NEMA 4 FCC IC Part 15 Approved

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FOR ACCESS CONTROL APPLICATIONS

10 SERIES

KEYSWITCHES

FEATURES

Available in 3 styles:

- Single gang, Jamb, Combination Jamb Plate /Keyswitch
- Available with momentary or maintained contact
- The Combo Plate allows for independent operation of the Push Plate and Keyswitch, or allows the Keyswitch to activate and disable the Push Plate.
- Includes a cherry switch with NO/NC or COM contacts
- Aesthetically pleasing design allows for easy installation and use

STAINLESS STEEL

Keyswitches add an additional level of security by providing an economical and efficient way to control or restrict access in a variety of applications.

**Note: Mortise Cylinder Not Included*

EASY INSTALLATION MULTIPLE STYLES

10JAMBSWITCHMOM
10JAMBSWITCHONF

10KEYSWITCHMOM
10KEYSWITCHONF

10COMBOPLATEMOM
10COMBOPLATE

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West: 800-544-4422 • East: 800-225-6737
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TECHNICAL SPECIFICATIONS

Keyswitch (Single Gang)

Switch Voltage
125/250 VAC

Switch Current
6A/3A

Dimensions
4¾"H x 3"W x ¼"D

Mortise Cylinder
1⅛" – Not Included

Mounting Options
Most Single-Gang Boxes

Contacts
NO/NC/COM

Keyswitch (Jamb)

Switch Voltage
125/250 VAC

Switch Current
6A/3A

Dimensions
4¾"H x 1¾"W x ¼"D

Mortise Cylinder
1⅛" – Not Included

Mounting Options
Most Jamb Style Boxes

Contacts
NO/NC/COM

Combo Plate (Keyswitch)

Switch Voltage
125/250 VAC

Switch Current
6A/3A

Dimensions
4½"H x 4½"W x ¼"D

Mortise Cylinder
1⅛" – Not Included

Mounting Options
Standard 2G Electrical Box

Contacts
NO/NC/COM

Combo Plate (Push Plate)

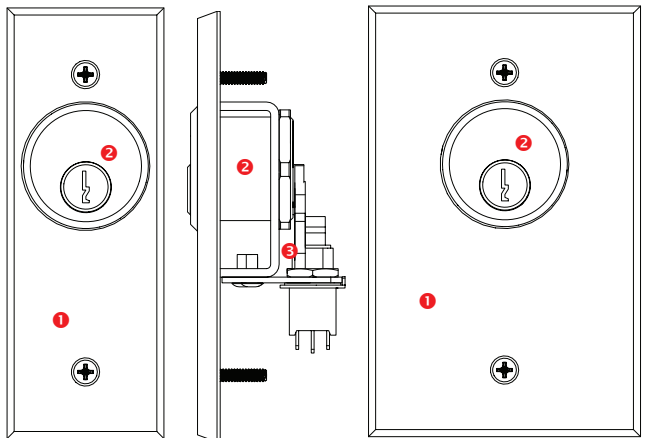
Switch Voltage
125 VAC

Switch Current
15A

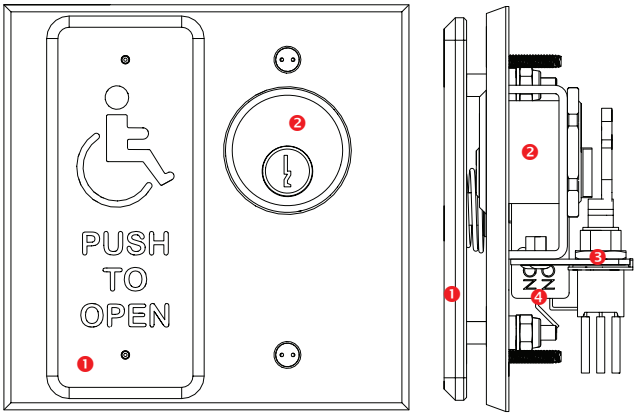
Dimensions (Plate Only)
4¼"H x 1¾"W x ¼"D

Cherry Switch Properties
SPST / Momentary Contact

KEYSWITCH DETAILS

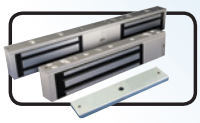


❶ Face Plate ❷ Mortise Cylinder *Not Included ❸ Switch Components



❶ Push Plate ❷ Mortise Cylinder *Not Included Switch ❹ Cherry Switch

RELATED PRODUCTS



Maglocks
UL Listed, electromagnetic locks offer the ultimate protection for most access control applications

MS08U
Touchless Push Plate utilizing microwave motion technology

RF-433
433 MHz digital receivers and transmitters with sequencing function

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700/800 SERIES

KEY SWITCHES

Application

IDC key switch assemblies provide an economical method of providing authorized control for a variety of applications. A choice of several contact configurations ensure compatibility with virtually any system.

- Access Control
- Automatic Gate Operation
- Roll Up Door Operation
- Alarm Shunt
- Alarm Reset
- Machine Operation

New Construction or Retrofit

IDC key switch assemblies are compatible with U.S. standard, 1.125" and 1.25" mortise key cylinders and interchangeable core cylinders (not included). Compatibility with a new or existing facility mechanical key system is maintained. Standard switch assemblies are single gang box mounted. Assemblies equipped with narrow faceplates are mounted directly to the door frame.

Functions

- Momentary
- Timed Actuation (1-60 seconds)
- Alternate Action (On-Off)
- Tamper resistant, recessed cylinder (all except 700N)
- Tamper resistant spanner screws
- Heavy duty all steel assembly
- Stainless steel faceplates of 20 gauge or 0.25" thickness of aluminum
- Large actuator for positive and consistent activation
- 6 Amp @ 30 VDC
- 7", 22 gauge wire leads
- Compatible with 1.125" or 1.25" mortise cylinder (not included)

700

700N

- Spanner security screws and tool
- 20 Gauge stainless steel
- Optional plated finishes

700 Single gang, wall mounted, anti-tamper recessed key cylinder
700N Narrow 1.75" wide, frame mounted

800

800N

- 0.25" Aluminum faceplate
- Spanner security screws and tool
- Anti-tamper plugs for mounting screws
- Anti-tamper recessed key cylinder

800 Single gang, wall mounted
800N Narrow, 1.75" wide frame mounted
Four mounting screws provide increased integrity

700T
- Two Gang
- 4 Security screws
- 20 Gauge stainless steel

Two gang faceplate provides for the use of a larger junction box to accommodate time delays, audible annunciation and increased wiring.

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Features

Model		Operation	Applications
701 701N 701T	801AL 801ALN	Alternate action SPDT Turning the key left or right actuates and latches the contact. Contact position is maintained until the key is inserted and turned again.	• Circuit on - off • Access control bypass • Machine operation
702 702N 702T	802AL 802ALN	Momentary SPDT Turning the key left or right momentarily actuates the contact.	• Momentary access • Timer activation • Alarm reset
704	804AL	Momentary SPDT plus 10TD Electronic Mini Timer SPDT 2Amp @ 30VDC, adjustable 1 - 60 seconds Turning the key left or right activates an electronically timed contact for 1 - 60 seconds	• Timed access • Timed alarm shunt
705 705N 705T	805AL 805ALN	Alternate action DPDT Turning the key left or right actuates and latches the contact. Contact position is maintained until the key is inserted and turned again	• Control two circuits simultaneously • Access **and** alarm bypass • Lock **and** magnetic door holder control
706 706N 706T	806AL 806ALN	Momentary DPDT Turning the key left or right momentarily actuates the contacts	• Control two circuits simultaneously
707 707N 707T	807AL 807ALN	#1 Momentary SPDT. Turning the key left momentarily actuates contact #1. #2 Momentary SPDT. Turning the key right momentarily actuates contact #2	• Control two circuits independently
708 708N 708T	808AL 808ALN	#1 Momentary SPDT. Turning the key in one direction momentarily actuates contact #1 #2 Alternate action SPDT. Turning the key in opposite direction actuates and latches contact #2 until the key is inserted and t urned again	• Control two circuits independently • Momentary access and sustained bypass of a door
709 709N 709T	809AL 809ALN	#1 Alternate action SPDT. Turning the key left actuates and latches contact #1 #2 Alternate Action SPDT. Turning the key right actuates and latches contact #2	• Control two circuits independently • Bypass with single station #1 • Bypass with all stations #2
710T		#1 Momentary SPDT plus 10TD Electronic Mini Timer, SPDT 2Amp, 1-60 second. Turning the key in one direction activates an electronically timed contact for 1 - 60 seconds. #2 Alternate action SPDT. Turning the key in opposite direction actuates and latches contact #2	• Control two circuits independently • Timed access and sustained bypass of a door • Timed alarm shunt (REX) and sustained alarm shunt
711 711N 711T	811AL 811ALN	#1 Momentary DPDT. Turning the key left momentarily actuates contact #1. #2 Momentary DPDT. Turning the key right momentarily actuates contact #2.	• Control two pairs of circuits independently
712 712N 712T	812AL 812ALN	#1 Momentary DPDT. Turning the key in one direction momentarily actuates contact #1 #2 Alternate action DPDT. Turning the key opposite direction actuates and latches contact #2 until the key is inserted and turned again.	• Control two pairs of circuits independently • Activate a time delay, REX input or alarm shunt with #1 • Access control and alarm bypass with #2
713 713N 713T	813AL 813ALN	#1 Alternate action DPDT. Turning the key left actuates and latches contact #1. #2 alternate action DPDT. Turning the key right actuates and latches contact #2	• Control two pairs of circuits independently

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Finish

702	U	

700 Series Finish

630 Dull stainless steel standard
605 Bright brass
606 Dull brass
613 Oil rubbed bronze
625 Bright Chrome

800 Series Finish

AL 628 Anodized aluminum standard

Options

702	U	L2

ATS	Anit-Tamper switch
L1	One LED; specify red or green
L2	Two LED's; red and green
LT	One tri-color LED; red green and amber
RMB	Buzzer. May be wired to sound when door is unlocked. 12 or 24VDC operation with 700T only.
SN	85 db. siren, 3-28VDC with 700T only
10TD	Mini timer
CYL-KD	Key cylinder with two keys

Dimensions

700	2.875" x 4.5" x 20 Ga. (73 x 114 x 0.912mm)
700N	1.75" x 4.5" x 20 Ga. (45 x 114 x 0.912mm)
700T	4.5" x 4.5" x 20 Ga. (112 x 114 x 0.912mm)
800AL	3.25" x 5" x .25"D (83 x 127 x 6.35mm)
800ALN	1.75" x 5" x .25"D (45 x 127x 6.35mm)

10TD Mini Timer

The electronic Mini Timer provides timed unlocking and is compatible with all IDC momentary key and exit switches equipped with normally open contacts. The Mini Timer fits inside two gang key and exit switch assemblies, remote junction box and narrow frames.

Voltage Input	12/24VDC @ 50mA
Trigger Input	N.O. dry
Contact	SPDT dry, 2 Amps @ 30VDC
Wire Leads	7", 20 gauge
Time Adjustment	1 - 60 seconds
Size	0.75"W x 1.5"H .2.25"D (19.05x 38.1 x 57.15mm)

Key Cylinder

CYL-KD	1.25" mortise key cylinder and 2 keys, keyed different, two different tail pieces provided. Dull chrome finish standard.

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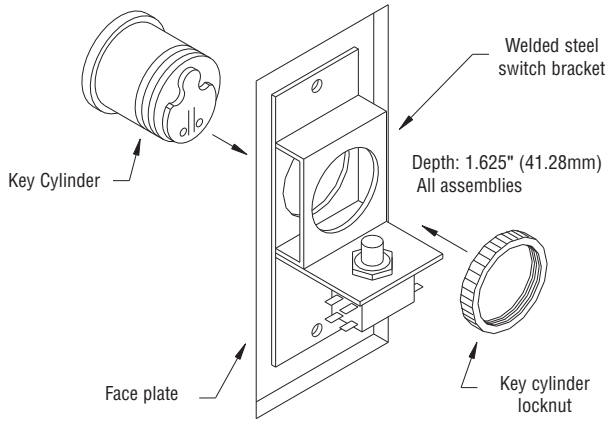
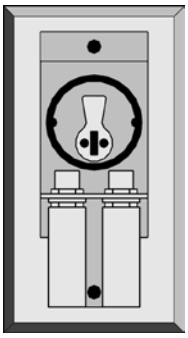
Assembly Tools

For convenience, a small spanner tool is provided with the assembly for fastening of spanner security screws.

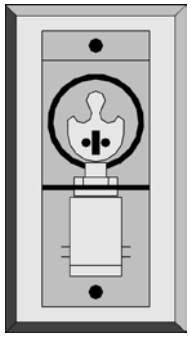
Part # **SS632**, a standard spanner screwdriver, may be ordered separately.

Assembly Details





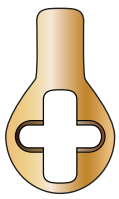
Dual Switch Assembly



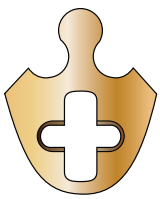
Single Switch Assembly

Tailpiece

(actual size shown)



Compatible with all dual switch assemblies

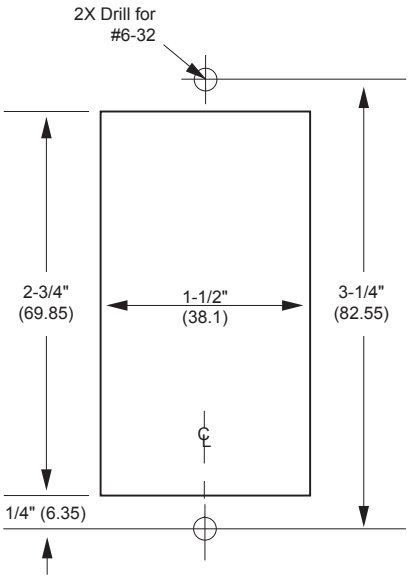


Compatible with all single and dual switch assemblies

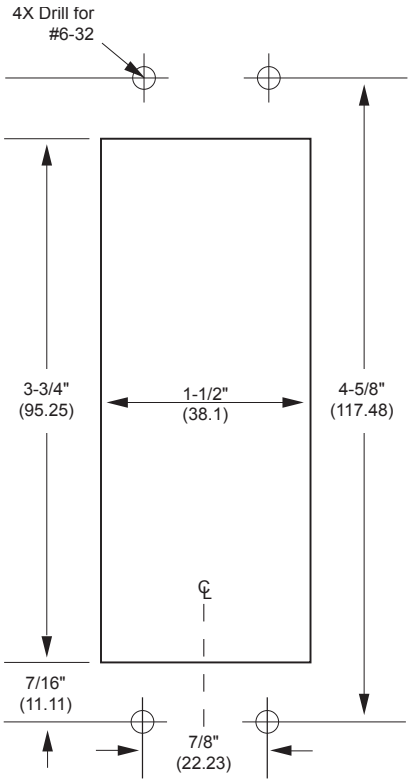
Frame Preparations

700N Series prep

1.75" (44.45mm) minimum frame face



800ALN Series prep



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12 TO 24 VDC

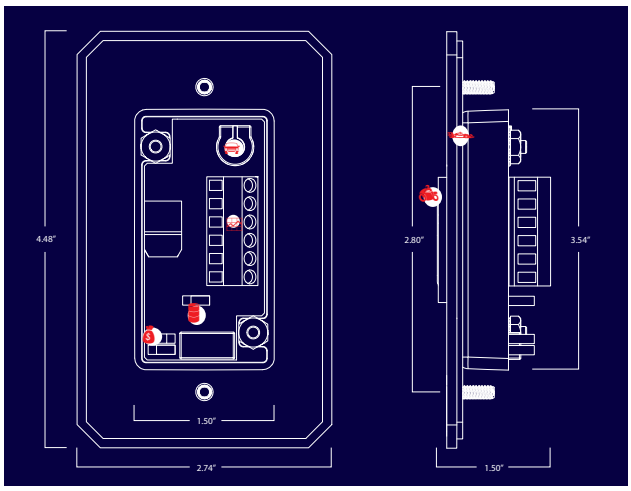
THE PIEZO SWITCH

ACCESS CONTROL

TECHNICAL SPECS

VOLTAGE INPUT	MATERIAL
12 TO 24 VDC	Stainless Steel Faceplate
HOLD TIME	Plastic Transparent Light Ring
1 second to 40 seconds	DIMENSIONS
CURRENT	2¾" x 4½" x 1¼"
LEDs ON	3/8" cut corners
40 mA (Idle), 60mA (Active)	WEIGHT
LEDs OFF	8.0 oz (220 g)
10 mA (Idle), 40mA (Active)	COMPATIBILITY
	Most Single Gang Boxes

COMPONENTS



Button & LED · Steel Plate · Hold Time
Terminal Block · Safe / Secure · LED Control

The Piezo Button incorporates piezoelectric technology to convert physical

- Touch (pressure) of the push button from mechanical to electrical energy. Status illumination can be set to red, green, or no illumination
- Selectable Fail Safe and Fail Secure options
- Hold timer lasts from as little as 1 second to as much as 40 seconds
- The Piezo button provides for a NO / NC contact
- Stainless steel construction is designed for all weather use
- Designed specifically for Request to Exit / access control applications
- Button switch life exceeds 1 billion cycles

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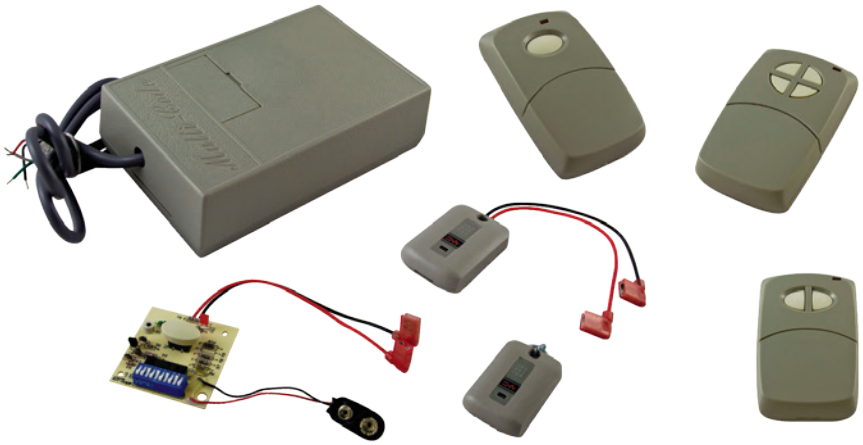
300 MHZ TRANSMITTERS & RECEIVERS

RF-300

DIGITAL RADIO TRANSMISSION



FEATURES

- Hand-held transmitters outfitted with flag connectors, plug directly into most of IDC's push plate switches.
- Analog radio control for strong, short-range, transmissions
- Transmitters are programmed to the receiver through dip switch settings which offer up to 1,024 unique identifier codes.

Easy Installation And Programming

IDC's 300 MHz frequency analog radio control transmitters and receivers are universally compatible with any type of automatic door application. With the ability to recognize 1,024 unique codes per receiver, the RF–300 offers an easy-to-install alternative and makes adding new transmitters simple.

RF–300 Series

10R300
300 MHz
Receiver

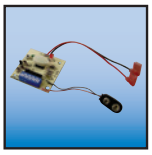
10T300HH
One Button
Transmitter

10T300HHDBL
Two Button
Transmitter

10T300HH4
Four Button
Transmitter

10T300KEYCHAIN
12v Keychain
Transmitter

10T300MINIPB
12v Wired
Transmitter



10T300PB
9v Wired
Transmitter

How It Works

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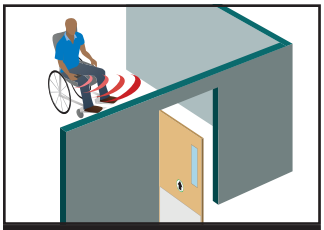
WIRELESS PUSH PLATE SOLUTIONS

MULTIPLE TRANSMITTERS TO MULTIPLE RECEIVERS



OPTIONAL HANDHELD TRANSMITTERS

RF–433 SERIES

RF–390 SERIES

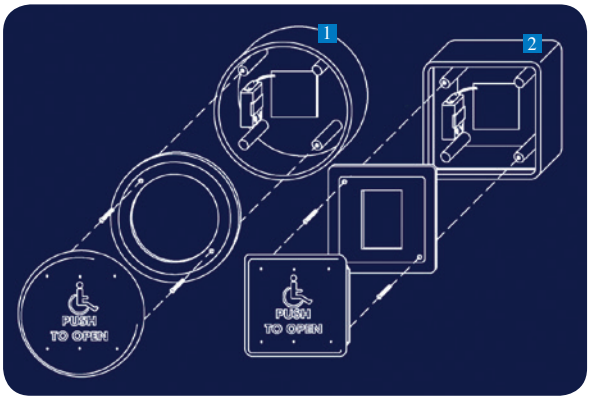
APPLICATIONS

RADIO FREQUENCY PRODUCT FAMILY

BENEFITS

- Perfect for applications where other frequencies receive digital interference
- Multiple transmitters may operate multiple receivers as long as the DIP settings match
- Field replaceable 9 or 12 VDC (A23) battery

RECEIVER FEATURES



1 10T300MINIPB with 6" round plate

2 10T300MINIPB with 4¾" square plate

TECHNICAL SPECIFICATIONS

Frequency	300 MHz
Radio Control Type	Analog
Emitted Radio Power	N/A
Power Consumption	N/A
Input Voltage	24 V AC/DC
Operating Temperature	+14°F to +131°F
Setup	10 position access code dip switch
Certifications	CE, FCC, IC
Receiver Dimensions (L×W×H) Without Flange With Flange	 4.9 × 3.2 × 1.4 inches 5.4 × 3.2 × 1.4 inches

Specifications are subject to change without prior notice.

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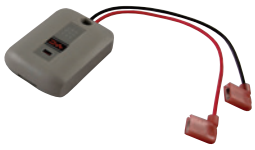

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RF-390

DIGITAL RADIO TRANSMISSION

FEATURES

- Transmitters with pre-wired flag connectors plug directly into any push plate
- The digital transmitter and receiver are set up easily with a “Learn Code” button instead of using DIP switches
- The red indicator LED allows technicians to monitor when the transmitter is activated to determine range and battery life

Easy Installation And Programming

IDC’s 390 MHz, digital, radio control transmitters and receivers are universally compatible with any type of automatic door application.

The RF–390 bridges the gap from analog to digital. This setup offers digital transmission, narrowing the frequency band for less interference as well as limiting the number of devices that have access.

RF–390 Series

10RD390
390 MHz
Receiver

10TD390HH
Three Button
Wireless

10TD390PB
Three Button
Wired

10TD390MINIPB
Three Button
Mini Hard Wired

10TD390KEYCHAIN
Three Button
Wireless Keychain

How It Works

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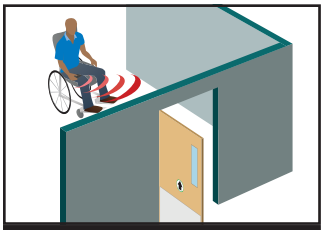
WIRELESS PUSH PLATE SOLUTIONS

MULTIPLE TRANSMITTERS TO MULTIPLE RECEIVERS



OPTIONAL HANDHELD TRANSMITTERS

APPLICATIONS

RF–433 SERIES

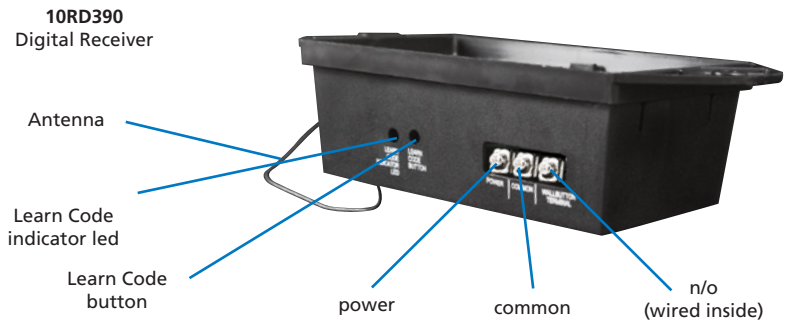
RF–300 SERIES

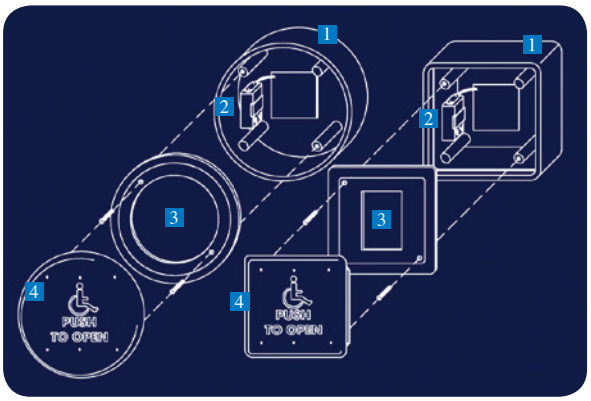
RADIO FREQUENCY PRODUCT FAMILY

BENEFITS

- Universally compatible with all automatic doors
- Compatible with handheld transmitters and push plates
- Field replaceable 9 V battery

RECEIVER FEATURES





1 Surface Mount Box

2 10TD390MINIPB with surface mount box

2 10TD390MINIPB with surface mount box

3 Weather ring

4 Faceplate

TECHNICAL SPECIFICATIONS

Frequency	390 MHz
Radio Control Type	Digital
Emitted Radio Power	N/A
Power Consumption	N/A
Input Voltage	24 VAC / VDC
Operating Temperature	+14°F to +131°F
Max. Transmitters per Receiver	7 programmed transmitters
LED Functionality	RED = Receiver Learn / Output Activation
Certifications	CE, FCC, IC
Receiver Dimensions (L×W×H)	7.5" × 3.375" × 2.0"

Specifications are subject to change without prior notice.

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RF-433

DIGITAL RADIO TRANSMISSION

FEATURES

- Uses a rolling code each time a transmitter is activated
- Delay or no delay programming options (i.e. vestibule applications)
- Up to 100 transmitters can be programmed into a single receiver
- Can remove transmitter codes individually or all at once
- Individual transmitters can be programmed to an unlimited number of receivers
- The red LED on the transmitter confirms transmission and battery life
- The red LED on the receiver confirms transmission and provides troubleshooting assistance

Easy Installation And Programming

IDC's 433 MHz, digital, radio-control transmitters and receivers are universally compatible with any type of automatic door application.

The RF–433 series provides both reliability and efficiency in a wide range of wireless applications.

RF–433 Series

10RD433
433 MHz Receiver

10RD433EH
Extended Hold Time Receiver

10TD433HH1
One Button Wireless

10TD433HH2
Two Button Wireless

10TD433HH3
Three Button Wireless

10TD433HH4
Four Button Wireless

10TD433PB3V
One Button, 3-Volt Hard Wired

10TD433PB9V
One Button, 9-Volt Hard Wired

How It Works

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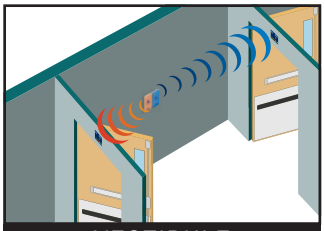
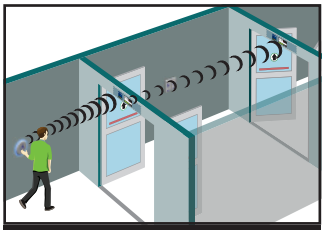
WIRELESS ACTIVATION



VESTIBULE APPLICATIONS



NO DELAY / DELAY

ONE TRANSMITTER MULTIPLE RECEIVERS

APPLICATIONS

RF–390 SERIES

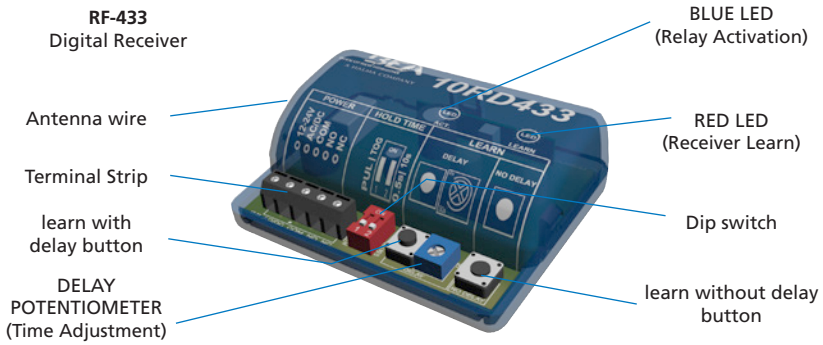
RF–300 SERIES

RADIO FREQUENCY PRODUCT FAMILY

BENEFITS

- Ideal for wireless activation and/or sequencing of automatic doors
- A rolling code is transmitted every time the transmitter is activated, providing a secure signal
- Universally compatible with all types of automatic doors
- An extended hold time receiver is available for holding a door open indefinitely as long as a transmitter is pressed
- Toggle or pulse mode selectable by DIP switch
- 0.5 or 10 second relay hold time
- Field replaceable 9 V battery (10TD433PB9V)

RECEIVER FEATURES



TECHNICAL SPECIFICATIONS

Frequency	433 MHz
Radio Control Type	Digital
Emitted Radio Power	–28.7 dBm (transmitter)
Power Consumption	3 mA (transmitter); 30 mA (receiver)
Input Voltage	12 to 24 VAC / VDC
Contact Rating	1.0 A @ 30 VDC 0.5 A @ 125 VAC 0.3 A @ 60 VDC
Operating Temperature	+14°F to +131°F
Max. Transmitters per Receiver	100 transmitters
LED Functionality Red Blue	 Relay Activity Receiver/ Transmitter Learn
Dimensions (L×W×H) Receiver Transmitter	 2.75" × 2.125" × 1.0" 2.75" × 1.375" × 0.6"
Certifications	CE, FCC, IC

Specifications are subject to change without prior notice.

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900 MHZ TRANSMITTERS & RECEIVERS

RF-900

COMPACT

FEATURES

- A combination of the industry's most compact 900 MHz transmitters and receiver for optimal installation convenience
- Multi-color LEDs on receiver provides installer with visual notification of signal strength and activation status
- Frequency hopping allows consistent transmission in areas with other 900 MHz devices
- A compact battery-powered, hardwired transmitter is ideal for push plate applications
- 1, 2, 3 and 4 button hand-held transmitters provide flexibility where multiple receivers are used
- Extended hold and toggle/pulse functionality is integrate for various application needs
- Delay and no-delay learn modes provide either instant or delayed activation for sequencing doors

Primary Application

IDC's 900 MHz compact transmitters and receiver allow wireless activation of any door control. FCC Part 15 certification ensures proper compliance with federal radio frequency regulations.

900 MHz wireless technology provides greater line-of-sight transmission distance than legacy wireless frequencies. It also provides better penetration of obstacles such as walls, partitions, doors or low-emissivity glass.

IDC's 900 MHz series of wireless devices includes the touchless retrofit transmitter for easy upgrade of touch push plates to touchless solutions, which typically require additional wires to be run for installation.

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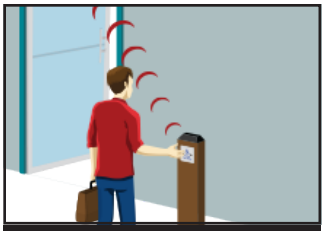
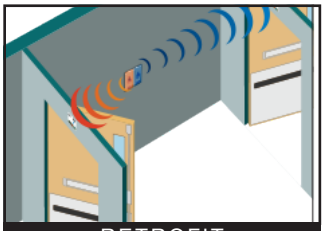
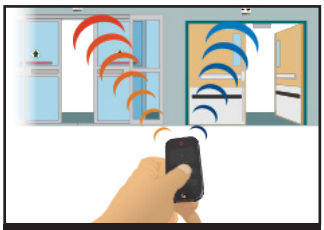


WIRELESS ACTIVATION



RETROFIT APPLICATIONS

LIMITED MOBILITY



MULTIPLE DOORS PER TRRANSMITTER

APPLICATIONS

RADIO FREQUENCY PRODUCT FAMILY

RELATED PRODUCTS

10RD900
900 MHz Receiver Module

10TD900HH1
1-Button Transmitter

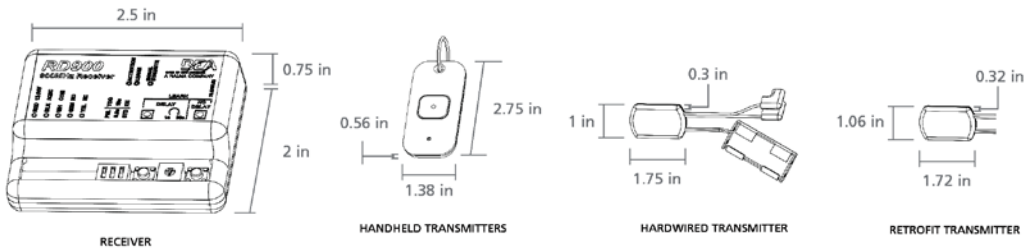
10TD900HH2
2-Button Transmitter

10TD900HH3
3-Button Transmitter

10TD900HH4
4-Button Transmitter

10TD900PB
Hardwire Transmitter

10TD900TR
900 MHz Retrofit Transmitter



TECHNICAL SPECIFICATIONS

Frequency	908-918 MHz (frequency hopping)
Emitted Radio Power	–25 dBm (TX)
Power Consumption RD900 TD900HHx TD900PB TD900RT	 40 mA 30 mA 30 mA 22 mA
Input Voltage	12-24 VAC / DC
Contact Rating	1.0 A @ 30 VDC 0.5 A @ 125 VAC 0.3 A @ 60 VDC
Operating Temperature	+14°F to 131°F (-10°C to 55°C)
Programmable Units Per Receiver	75
LED Functionality Red Blue Tri-color	 Receiver Learn Relay Activation Signal Strength
Dimensions RD900 TD900HHx TD900PB TD900RT	 2.5" (W) × 2.0" (D) × 0.75" (H) 2.75" (W) × 1.38" (D) × 0.56" (H) 1.75" (W) × 1.0" (D) × 0.3" (H) 1.72" (W) × 1.06" (D) × 0.32" (H)
Certifications	FCC, IC

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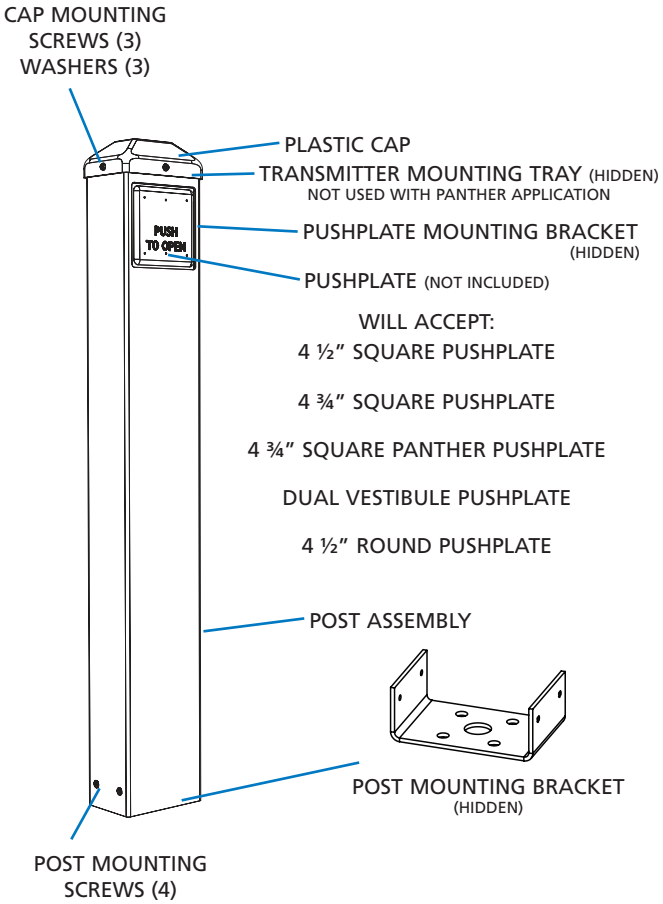
LOW ENERGY DOOR ELECTRONICS

THE BOLLARD

FEATURES

Constructed with durable carbon steel and will mount IDC 4 ¾" square and 4 ½" round push plate lines

- Can be mounted on either existing concrete or newly poured concrete
- Available in silver, bronze, and black
- Stainless steel mounting bracket
- UV Resistant ABS plastic cap allowing for wireless transmissions



EASY INSTALLATION
MULTIPLE APPLICATIONS
VERY DURABLE

The Bollard is used for mounting pushplates that activate automatic doors.

It will accept IDC's 4 ½" Square Pushplate, 4 ¾" Square Pushplate, 4 ¾" Panther Pushplate, Dual Vestibule Pushplate and 4 ½"Round Pushplate. The post is made of durable carbon steel and the mounting bracket is made of stainless steel for strength. It can be mounted on either existing concrete or newly poured concrete.

- 10BOLLARDBLK - Black
- 10BOLLARDBRZ - Bronze
- 10BOLLARDSLV - Silver

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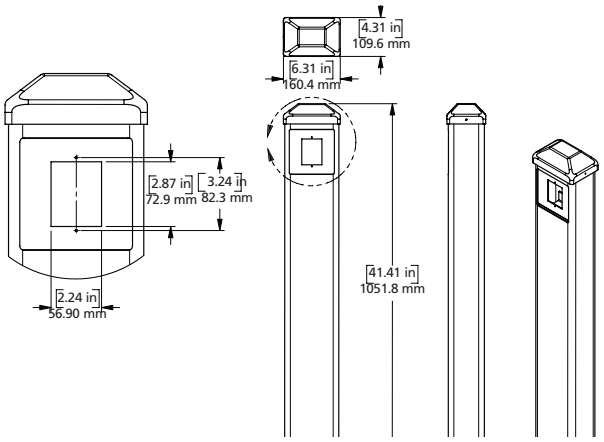
DRAWINGS



TECHNICAL SPECIFICATIONS

Dimensions *(with cap attached)*	41 ½"H x 6 ¼" W x 4 ¼"D
Material Post	Carbon Steel (Inside and Out)
Cap	UV-Resistant ABS Plastic
Mounting Bracket	Stainless Steel
Pushplate Options	4 ½" Square Push plate 4 ¾" Square Push plate 4 ¾" Square Panther Push plate Dual Vestibule Push plate 4 ½" Round Push plate Low Profile Push plates
Weight	35 lbs (16 kilos)
Colors	Black, Bronze, Silver
Mounting Hardware	Anchors, Washers and Nuts (Included)

Specifications are subject to change without prior notice.

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628 SERIES

2-SWITCH BOLLARDS

HEAVY DUTY 2-SWITCH BOLLARDS

(Shown with 59-HSS & 59-H)

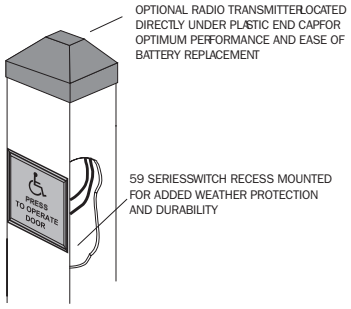
PRODUCT DESCRIPTION

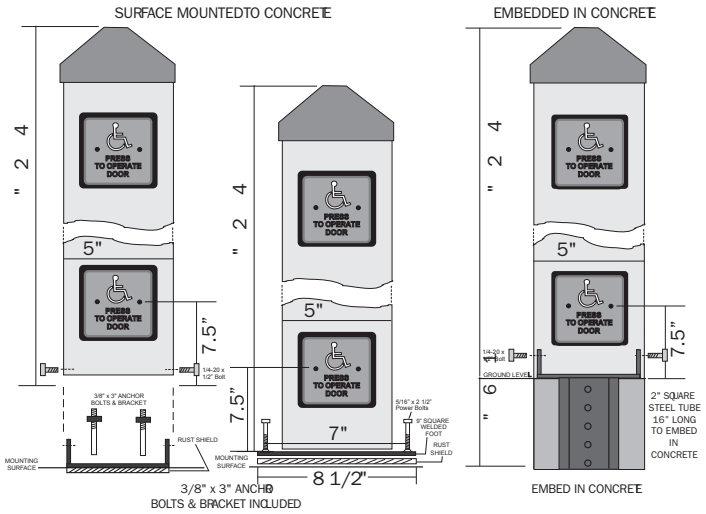
The 628 Series Switch Bollards are designed to provide a free standing self-contained door activation device that can be installed at any location. The 628 features a second switch with a centerline 7.5" above the floor in compliance with the 2007 California Building Code.

Attractive and built to withstand the toughest conditions, the 628 Series bollards are made of 5" square tubular steel that is 1/8" thick. The durable LongLife™ Finish protects against rust and consists of two coats: a zinc rich base coat on all surfaces and an industrial grade exterior powder coat finish. An innovative ABS plastic rust shield fits under the mounting shoe to help block the corrosive action of concrete to steel contact. The integral plastic cap allows superior wireless signal range.

The 628 Series bollards come stan-dard with two single recess mounted switches or blank (without preps) so that equipment can be custom fit in the field. MS SEDCO Also offers custom machining and special finishes. All versions can be ordered for either hardwired or wireless operation.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.
2007 California Building Code.





TECHNICAL DATA

- Microswitch Includes Rubber Bellows For Added Weather Protection
- 5" Square Tubular Steel, 1/8"Wall Thickness
- Formed Plastic Cap With Integral Transmitter (Optional) For Wireless Operation
- Interchangeable Surface And Inground Mounting Shoes OR External Surface Mounting Foot Available
- Durable Exterior Grade LongLife™ Finish with Rust Shield In Gray Or Dark Bronze

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608 SERIES

Push Plate Switch Posts

HEAVY DUTY

Vestibule Switches

Recessed Switch

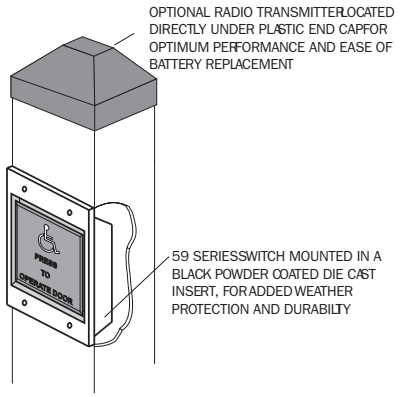
PRODUCT DESCRIPTION

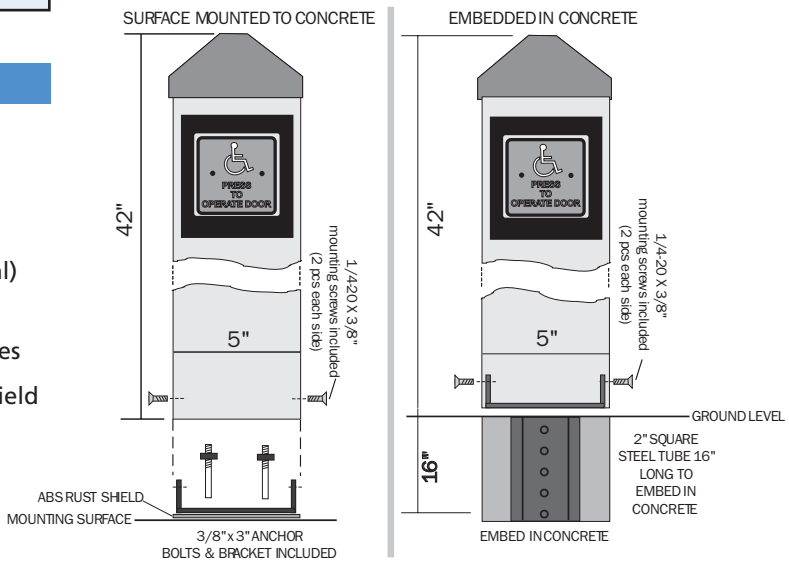
The 608 Series Switch Posts are designed to provide a free standing self-contained door activation device that can be installed at any location.

Attractive and built to withstand the toughest conditions, the 608 Series posts are made of 5" square tubular steel that is 1/8" thick. The durable LongLife™ Finish protects against rust and consists of two coats: a zinc rich base coat on all surfaces and an industrial grade exterior powder coat finish. An innovative ABS plastic rust shield fits under the mounting shoe to help block the corrosive action of concrete to steel contact. The integral plastic cap allows superior wireless signal range.

standard with a single recess mounted switch, 2 switches for vestibule operation or blank (without preps) so that equipment can be custom fit in the field. MS SEDCO also offers custom machining and special finishes. All versions can be ordered for either hardwired or wireless operation.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.





TECHNICAL DATA

- Microswitch Includes Rubber Bellows For Added Weather Protection
- 5" Square Tubular Steel, 1/8"Wall Thickness
- Formed Plastic Cap With Integral Transmitter (Optional) For Wireless Operation
- Interchangeable Surface And Inground Mounting Shoes
- Durable Exterior Grade LongLife™ Finish with Rust Shield In Gray Or Dark Bronze

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514 SERIES

Push Plate Switch Posts

HEAVY DUTY

BLANK POST

POST WITH 59J-H IN 1010 SURFACE BOX

PRODUCT DESCRIPTION

The 514 Series Switch Posts are designed to provide a free standing self-contained door activation device that can be installed at any location.

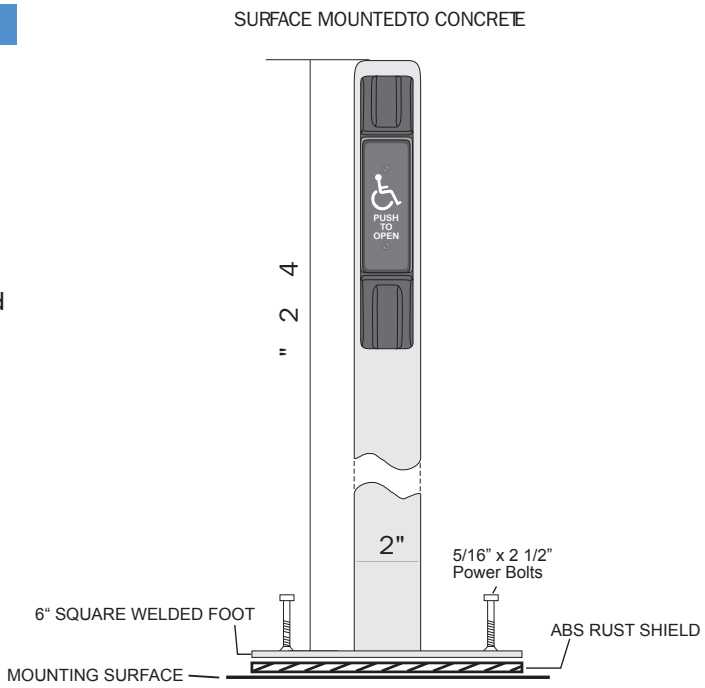
As an economical alternative to larger bollards, the 514 offers a sleek look. The 514 features a surface external foot for stability and easy installation, and an ABS rust shield. The 514 bollard is constructed for use with jamb-width switches, and is best complimented with a 59J switch in a 1010 surface box.

The 514 comes standard prepped for wiring, and can be customized in the field. It is available stand alone, with a switch installed, or with a switch and wireless transmitter installed.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

TECHNICAL DATA

- Microswitch Includes Rubber Bellows For Added Weather Protection
- 2" Square Tubular Steel, 1/8" Wall Thickness
- Welded Cap
- External Mounting Foot
- Durable Exterior Grade LongLife™ Finish with RustS hield In Gray Or Dark Bronze



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ANSI COMPLIANT

DOOR SAFETY DECALS

DOOR SAFETY DECALS

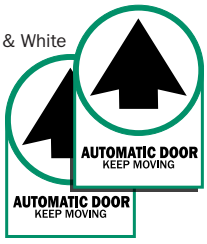
Self-sticking, exterior grade decals meet the requirements of ANSI A156.10 & A156.19.

Two sided decals are depicted with opposite side partially shown.

MSS-1
Blue & White

MSS-2
Yellow & Black

MSS-3
Green, Black & White



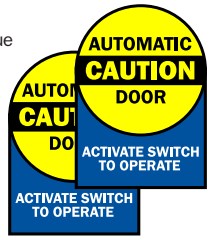
MSS-4
Red, Black & White
Green, Black & White

MSS-5
White & Blue

MSS-6
Red & White

MSS-13
Red & White

MSS-15
Yellow, Black & Blue



MSS-7
Blue & White

MSS-8
Yellow & Black

MSS-9
Green, Black & White

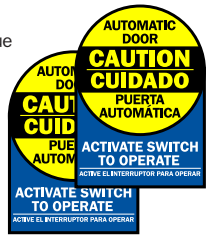
MSS-10
Red, Black & White
Green, Black & White

MSS-11
White & Blue

MSS-12
Red & White

MSS-14
Red & White

MSS-16
Yellow, Black & Blue



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HEAVY DUTY KEYPADS

ENTRYCHECK™ SERIES DIGITAL KEYPADS

The IDC EntryCheckTM series consists of stand alone digital keypads designed to control access of a single entry point for facilities with up to 500 users. Each user is assigned a personal identification number (PIN). Keypad entry of a valid one to six digit code activates one or both of the output relays which releases an electric door lock. Optional Prox Readers are available for selective models

918 EntryCheck®
Vandal Resistant,
Thick S. S. Faceplate

920 EntryCheck®
Vandal Resistant,
Surface Mount

920P EntryCheck®
Vandal Resistant,
with Prox Reader

923 EntryCheck®
VNarrow,
Surface Mount

923P EntryCheck®
VNarrow,
Surface Mount

921P & 924P EntryCheck®
Vandal Resistant, with Prox Reader,
2 piece Configuration

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FEATURES

- Weather Resistant
- Heavy Cast Vandal Resistant Housing
- Heavy Cast Metal Blue Backlit Keys
- Keypad programmable
- 500 Users, 4-6 digit PIN codes
- 4 outputs, 2 relay and 2 solid state outputs timed or latching (on/off)
- Assign entry PIN's to relays 1 and/or 2
- LED Status: Access, lockout
- Tactile keys with loudness selectable audible volume for key depression or output activation
- Timed anti-passback, anti-tailgate
- Keypad tamper lockout
- Request-to-Exit/Enter input
- Choice of door sense/relay inhibit input functions
  - Forced entry
  - Door ajar
  - Inhibit relay 1 or 2
  - Auto relock when door closes
- Choice of 2 solid states outputs functions:
  - Alarm shunt
  - Forced entry
  - Door ajar
  - Tamper lockout
  - Keypad active

PROX Only:

3 User Modes:

- PIN or Card
- Card Only
- Card and PIN

ENTRYCHECK® SPECIFICATIONS

Voltage	12/24 VAC/DC
Current	30mA typical, 150mA maximum
Outputs	Relay 1 - SPDT 5 Amps @ 30VDC Relay 2 - SPDT 2 Amps @ 30VDC Switch to Common Outputs 3 & 4 – 100mA @ 30VDC
Temperature	-22°F to + 149°F (-30°C to + 65°C)
Humidity	5% to 95% non-condensing
Finish	920/920P Powder Coat Painted

ACCESSORIES - ACCESS CREDENTIALS

HID1326-25	HID ProxCard® II, 25 cards
HID1326-100	HID ProxCard® II, 100 cards
HID1346-10	HID ProxKey® II, 10 key fobs
HID1346-100	HID ProxKey® II, 100 key fobs

923

Indoor/Outdoor Stand-Alone Narrow Keypad, Surface Mount

Dimensions:

1.75"W x 7-5/16"H x 1-3/8"D

(1.5" wall projection)

923

923P
WITH PROX
READER

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920

Indoor/Outdoor Stand-Alone Keypad, Surface Mount

Dimensions:

3”W x 5-3/4”H x 1-7/16”D

(1.5” wall projection)

920

920P
with Prox
Reader

924P

Indoor/Outdoor Keypad, 2 piece Configuration: Keypad and Controller, Surface Mount

Keypad Dimensions:

1.75”W x 7-5/16”H x 1-3/8”D

(1.5” wall projection)

924P

921P

Indoor/Outdoor Keypad, 2 piece Configuration: Keypad and Controller, Surface Mount

Keypad Dimensions:

3”W x 5-3/4”H x 1-7/16”D

(1.5” wall projection)

921P

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918

Indoor Stand-Alone Keypad, Single Gang
Indoor blue backlit, moisture resistant keypad
Thick S.S.
faceplate 3/32" (2mm)

Dimensions:
3"W x 4-3/4"H x 1-1/2"D
(1/4" wall projection)

SPECIFICATIONS

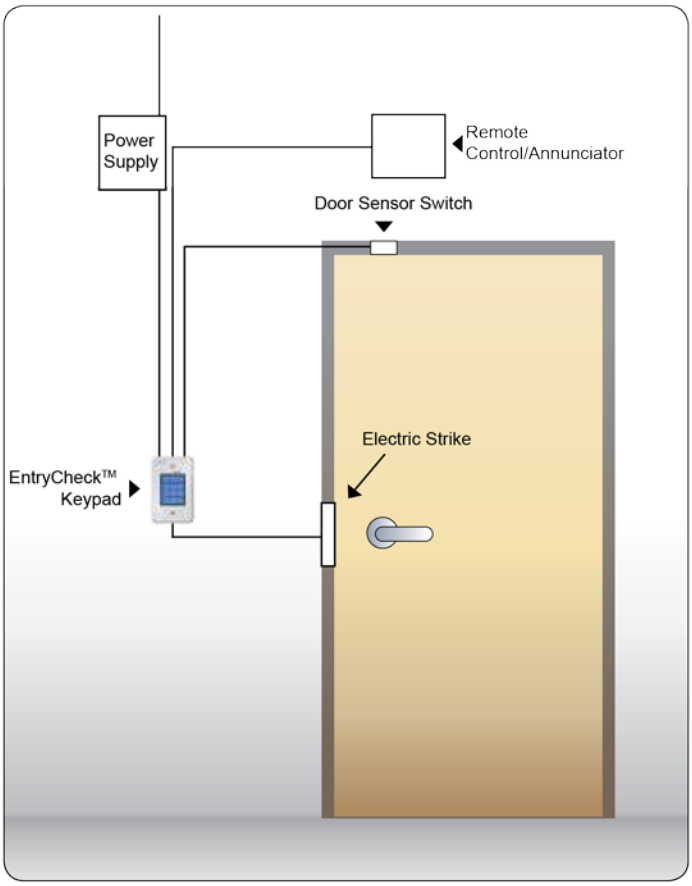
Voltage	12/24 VAC/DC
Current	30mA typical, 150mA maximum
Outputs	Relay 1 - SPDT 5 Amps @ 30VDC Relay 2 - SPDT 2 Amps @ 30VDC Switch to Common Outputs 3 & 4 – 100mA @ 30VDC
Temperature	-20°F to + 130°F (-30°C to + 54°C)
Humidity	5% to 95% non-condensing
Finish	918 Brushed Stainless Steel

PROGRAMMING OPTIONS

The EntryCheckTM series includes a Door Sense/ Inhibit Input feature. When programmed for "Door Sense", a door position switch wired into the input and detects a "forced entry" or "door ajar" condition. When programmed for "Inhibit Input", a maintained switch or automatic timer wired into a the input will disable the activation of the main relay.

The EntryCheckTM also has a request-to-exit input for connection to an exit switch and/or fire access key switch for fire/emergency access.

When access is granted, the shunt option is activated shunting alarm contacts on the door or gate. This prevents triggering of an alarm during authorized access.



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CHOICE OF PROX CARD, FINGER PRINT OR KEYPAD ENTRY

E5 ACCESS

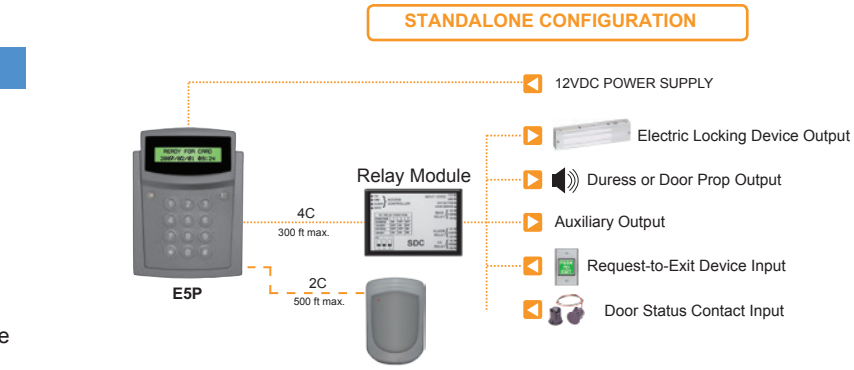
CONTROL SYSTEM

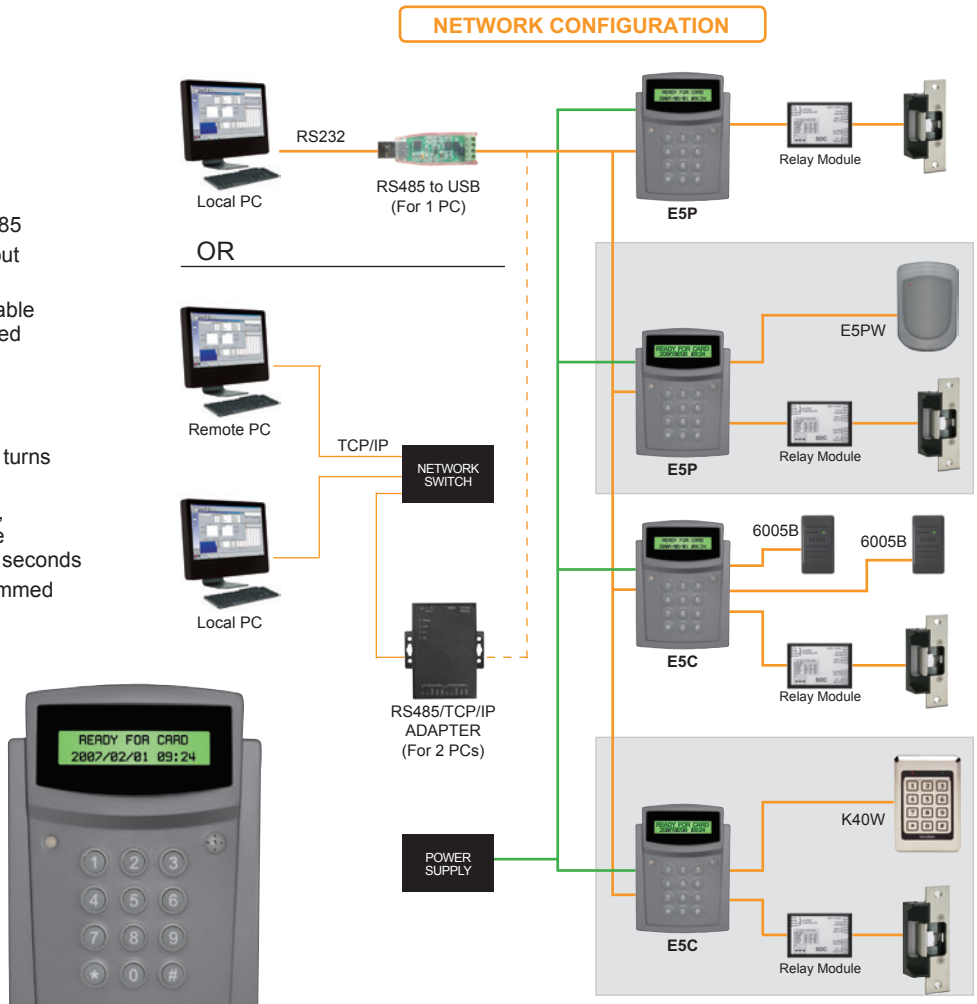
Choice of Prox Card, Fingerprint or Keypad Entry

- ***Standalone or PC Managed***
- ***Network up to 99 Readers***

Features

- HID Compatible Proximity reader
- Up to 4" read range
- 3000 cardholders
- Network configuration up to 99 devices
- Anti-passback
- Access mode
- 6 time zones
- 12 month programmable holiday schedule
- Password Required time zone
- Guard Patrol Function
- Door prop open alarm
- Forced entry alarm
- Access mode selectable
  1. Proximity card only
  2. Proximity card + PIN
  3. Key-in card number only
- Communication interface: RS232 or RS485
- Can be used as stand alone device without personal computer connected
- Use of password is time zone programmable if card data with password access selected
- Two types alarm status available
  1. Force entry
  2. Door prop open alarm
- Power saver function. The LED backlight turns itself off after 3 minutes
- Lock relay activation time, alarm function, anti-duress and door prop open alarm are individually programmable from 1 to 255 seconds
- Communication baud rate can be programmed via keypad
- Memory Buffer – 3500 transactions
  1. Invalid Card.
  2. Restricted time.
  3. Time zone unmatched.
  4. Code unmatched.





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E5P Reader/Controller

2nd Wiegand Reader (opt)

E5C Controller

Entry Reader

2nd Wiegand Reader (opt)

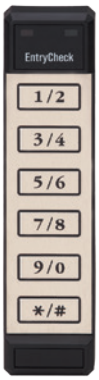
OPTIONAL PROXIMITY READERS

E5PW

E5KPW

6005B

OPTIONAL KEYPAD READERS

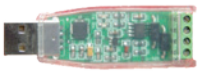


K30W

K40W

917W

COMMUNICATION INTERFACE



RS485 to USB

E5DI-1	RS485 to USB data converter for 1 PC

RS485

E5DI-2	RS485/TCP/IP dta converter for multiple PC's, Network switch required by others

Access Credentials

HID1326-25	HID ProxCard® II, 25 cards
HID1326-100	HID ProxCard®, 100 cards
HID1346-10	HID ProxKey® II, 10 key fobs
HID1346-80	HID ProxCard®, 80 key fobs

E5 Specifications

Model	E5P
Card Capacity	3000 cards holders
Memory Buffer	3500 transactions
E5P Reader Module Type	HID compatible proximity reader 125KHz
E5P Reader Range	Card – up to 4" 125 KHz Key Fob – Up to 2" inches 125 KHz Based on HID ProxCard® II & ProxKey® II in noise free environment
Display	16 characters x2 lines LCD backlight
Battery Capacity	Timer IC and data maintained up to 2 months after power failure
Keypad	12 Key (0-9, X, #)
Indicator	2-color LED (green/red)
Communication Interface	RS485, TCP/IP
Case Material	ABS (UL 94V-0)
Dimension	4.375" W x 6" H x 1.75" D (110 x150 x 45 mm)
Weight	14 ounces (380 g)
Working Voltage	DC 10-15 volts
Power Consumption	300mA Max @ 12VDC
Operating Temperature	32˚F - 122˚F (0˚C~50˚C)
Humidity	5%-95% (Non condensing)
Approved	IEC 529 IP34

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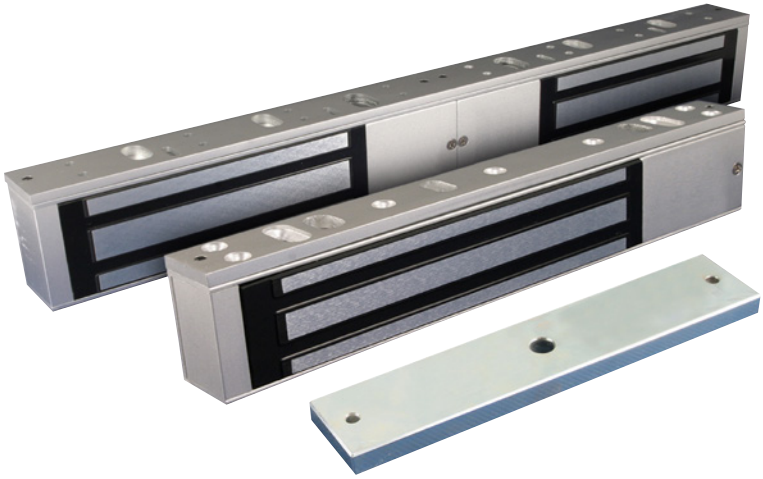
UL LISTED ELECTROMAGNETIC LOCKS

MAGLOCKS

ULTIMATE PROTECTION

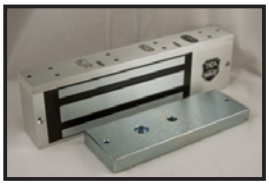


FEATURES

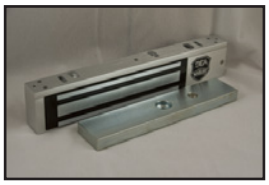
- Lock status sensor (bond sensor) and visual LED on 600 and 1200 lb models
- Includes adjustable relock time delay (0 – 90 secs)
- Field selectable 12/24V DC
- Installation hardware included for typical applications
- Convenient plug-in wire terminals
- Available for single doors and double doors without center mullion

IDC Maglocks offer the ultimate protection for most access control applications.

EASY INSTALLATION
MULTIPLE MODELS



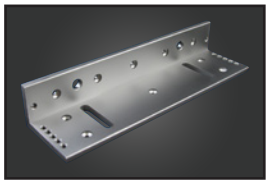
10MAGLOCK1UL
1200LB – SINGLE



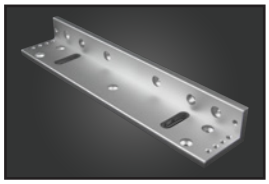
10MAGLOCK3UL
600LB – SINGLE

10MAGLOCK5UL
1200LB – DOUBLE

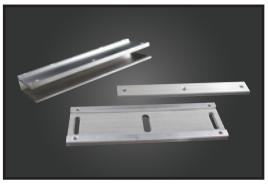
10MAGLOCK6UL
600LB – DOUBLE



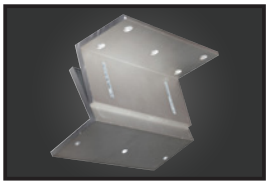
10LZBRMAG1UL
(1) 'L' and (1) 'Z'



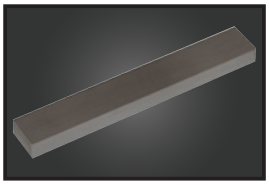
10LZBRMAG3UL
(1) 'L' and (1) 'Z'
use with
10MAGLOCK3UL



10UBRACKETUL
U-Bracket – Glass Doors



MAG5LZUL
MAG6LZUL
(2) 'L' and (2) 'Z'



10FILLER12UL
10FILLER34UL
FILLER BAR

Vertical Spacer Bars

Armature Housing

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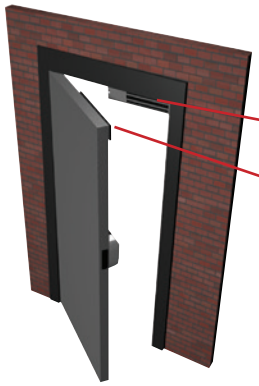
TECHNICAL SPECIFICATIONS

	HOLDING FORCE	INPUT VOLTAGE	CURRENT DRAW	DIMENSIONS	HOLD TIMER
10MAGLOCK3UL Single 10MAGLOCK6UL Double	600 lbs	12 or 24V DC *Note: This product is recommended to be used with a UL-Listed Power Supply*	Single 0.50A @ 12V DC 0.25A @ 24V DC Dual 1.00A @ 12 VDC 0.50A @ 24V DC	Single 9.84" × 1.85" × 1.02" (250mm × 47mm × 26mm) Dual 19.76" × 1.85" × 1.02" (502mm × 47mm × 26mm)	0-90 sec

	HOLDING FORCE	INPUT VOLTAGE	CURRENT DRAW	DIMENSIONS	HOLD TIMER
10MAGLOCK1UL Single 10MAGLOCK5UL Double	1200 lbs	12 or 24V DC *Note: This product is recommended to be used with a UL-Listed Power Supply*	Single 0.50A @ 12V DC 0.25A @ 24V DC Dual 1.03A @ 12V DC 0.52A @ 24V DC	Single 10.47" × 2.91" × 1.58" (266mm × 74mm × 40mm) Dual 20.94" × 2.91" × 1.58" (532mm × 74mm × 40mm)	0-90 sec

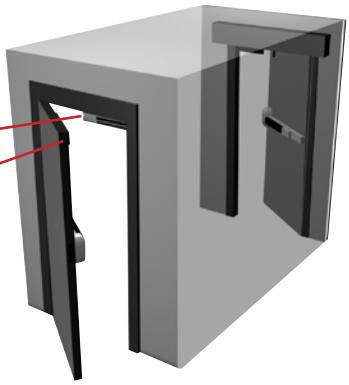
MAGLOCK APPLICATIONS



► Install IDC Maglocks in security applications including: portals in hotels, retail outlets or where egress control is needed

Maglocks

Armature Plate



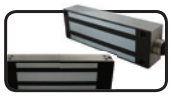
• Swinging Door Application

► IDC Maglocks, when combined with IDC's other security products, are designed to ensure ultimate security in clean room, airlock, and also mantrap applications

• Clean Room / Airlock Application

RELATED PRODUCTS

R2E-100
UL / ULC Listed, Active Infrared, Request To Exit Detector designed for access control applications



Weather Resistant Maglocks
Increased protection on more heavy duty doors and gates

Cylindrical Strikes
UL / ULC Listed, low profile, all-in-one, universal electric strike

Rim/Exit Strikes
UL / ULC Listed, surface mount electric strike

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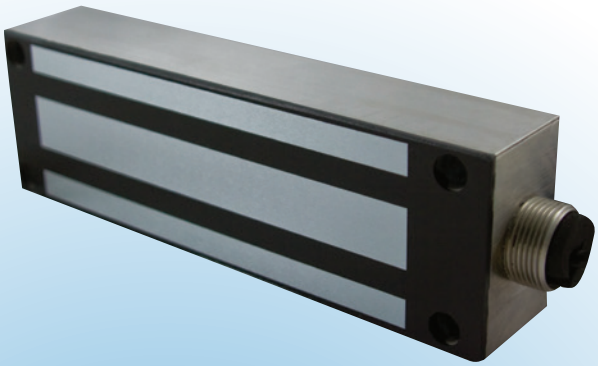
SLIDING • SWINGING GATES • HIGH SECURITY DOORS

WR MAGLOCKS

UL LISTED WEATHER RESISTANT

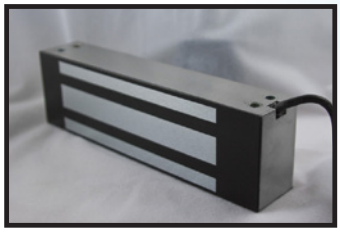


FEATURES

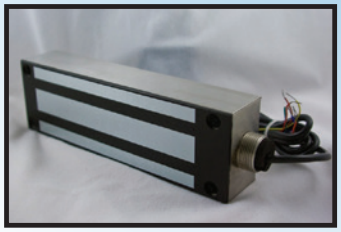
- Built-in remote lock status sensor – ideal for remote monitoring
- Available in a front mount model with a ¾ inch male universal threaded conduit fitting and a side mount model for swinging doors and gates.
- No residual magnetism
- Field selectable 12 or 24 VDC
- Built-in surge protection
- UL and ULC Listed for use on fire rated doors for up to 1½ hours

Designed with a rugged stainless steel housing, these electromagnetic locks are the ideal solution for sliding and swinging gates and high security doors.

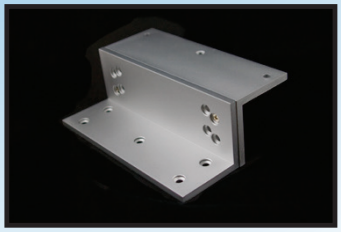
FAMILY OF PRODUCTS



10GL1200SR
1200LB – SIDE MOUNT



10GL1200R
1200LB – FRONT MOUNT



10LZBRGATE1200
L & Z MOUNTING BRACKETS

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TECHNICAL SPECIFICATIONS

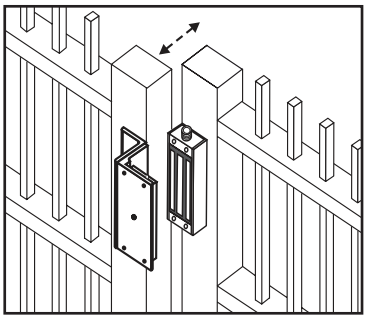
10GL1200R (Front Mounted)

Certifications	Holding Force	Dimensions (L×H×D)	Input Voltage	Current Draw	Contact	Rating Cable Spec	Housing Material
NEMA 4 UL / ULC Listed	1200 lb	8.75" × 2.5" × 1.625"	12 or 24 VDC	500 mA @ 12 VDC 250 mA @ 24 VDC	0.250 A @ 12 V 0.125 A @ 24 V	24 AWG 7 conductor; 3.5 ft	Stainless Steel

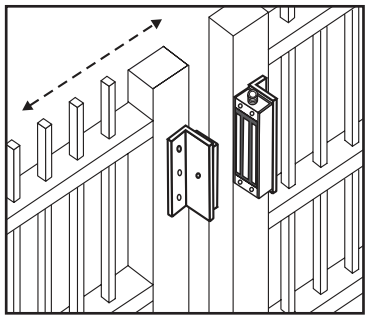
10GL1200SR (Side Mounted)

Certifications	Holding Force	Dimensions (L×H×D)	Input Voltage	Current Draw	Contact	Rating Cable Spec	Housing Material
NEMA 4 UL / ULC Listed	1200 lb	8.75" × 2.5" × 1.625"	12 or 24 VDC	500 mA @ 12 VDC 250 mA @ 24 VDC	0.250 A @ 12 V 0.125 A @ 24 V	24 AWG 7 conductor; 9.5 ft	Stainless Steel

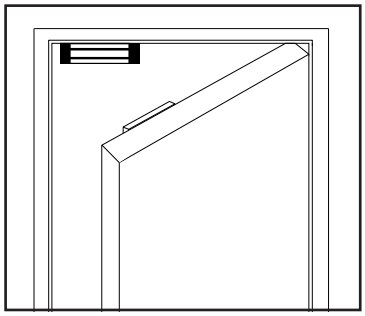
APPLICATIONS



SWINGING APPLICATIONS
10GL1200R with Z-Bracket mounting option



SLIDING APPLICATIONS
10GL1200R with L-Bracket mounting option



SWINGING APPLICATIONS
10GL1200SR mounted on a standard outswinging door

- Ideal for outswinging perimeter doors requiring additional protection
- Suitable for use in washdown and other harsh environments
- All internal electronics are sealed (NEMA 4 Enclosure)

RELATED PRODUCTS

Maglocks
UL Listed, electromagnetic locks offer the ultimate protection for most access control applications

Delayed Egress
All-in-One Maglock kit for single outswinging doors. UL / ULC Listed, LED Status, 12 / 24 VDC, 1200 lb

RF-433
433 MHz digital receivers and transmitters with sequencing function

RF-390
390 MHz digital radio receiver & transmitters replace dip switches with a "learn" button

Door Position Switches
Series of magnetic switches for swinging door applications

Push Buttons
Access Control push solution for any indoor application

MS08U
Touchless Push Plate utilizing microwave motion technology

Rim/Exit Strikes
UL / ULC Listed, surface mount electric strike

Cylindrical Strikes
UL / ULC Listed, low profile, all-in-one, universal electric strike

R2E-100
UL / ULC Listed, Active Infrared, Request To Exit Detector designed for access control applications

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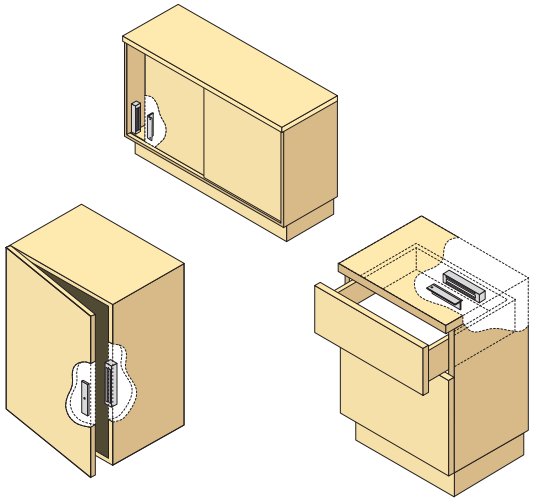
1583 CABINET EMLOCK®

MAGNETIC LOCK

Micro Cabinet EMLock®
Security Made Easy

IDC's 1583 Micro Cabinet EMLock® is a compact specialized electromagnetic lock that produces 300lbs. of holding force. Versatile mounting capability with face drilled and surface mounting holes. The 1583 operating voltage is field selectable for either 12/24 VDC. Aluminum housing is standard.



Applications

- Cabinets
- Drawers
- Display cases
- Machine equipment housings
- Gun safes
- Package pass through doors
- Dark rooms

Failsafe Operation
Security and safety with no moving parts. Positive and instantaneous failsafe un-locking operation is guaranteed.

Easy Installation
Compact size allows easy installation in small cabinets or restricted spaces. No special tools are required.

Durable, No Maintenance
With nothing to wear out and no moving parts, the 1583 EMLock® is virtually maintenance free.

Solid State Protection
The EMLock® provides spike and surge protection for solid-state devices on the same line.

Features

- 300lbs. of holding force
- An electronics module provides spike and surge protection for the EMLock®
- Dual voltage and modular design
- Strong enough even for large cabinet doors
- Protection of the EMLock® and other devices on same line without additional parts
- Operates on 12 or 24VDC

Specifications

1583V	EMLock® 300lbs. holding force, 12/24VDC
Dimensions	
EMLock®:	6.5"L x 1.125"W x 1.5"H (159 x 29 x 38mm)
Armature:	5.125"L x 1.125"W x 0.25"H (130 x 29 x 6mm)

Electrical Specifications

Connection:	Wire leads with in-line spike and surge protection
Input Voltage:	12 or 24 VDC +/- 10%
Current:	500mA @ 12VDC 250mA @ 24 VDC

Battery back up capability when used with a power supply and battery,

Note: Not recommended for life safety on pedestrian doors.

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Figure 1. 1583 EMLock® Dimensions

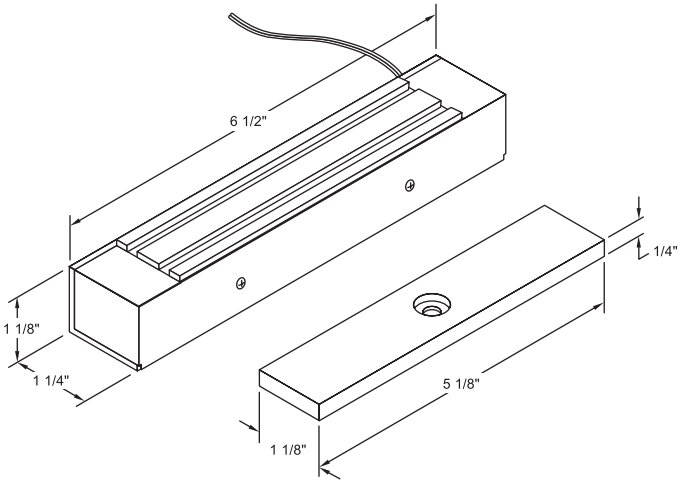


Figure 2. 1583 EMLock® with AC transformer, rectifier, key switch and LED (green when locked, red when unlocked)

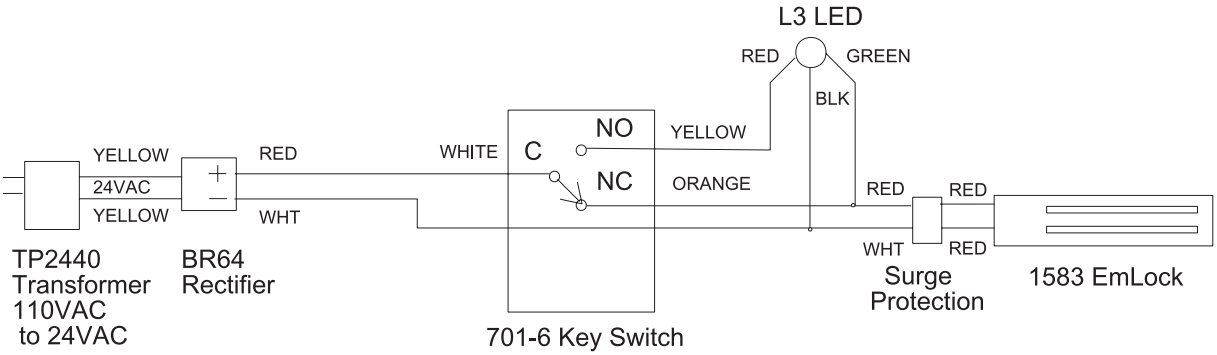
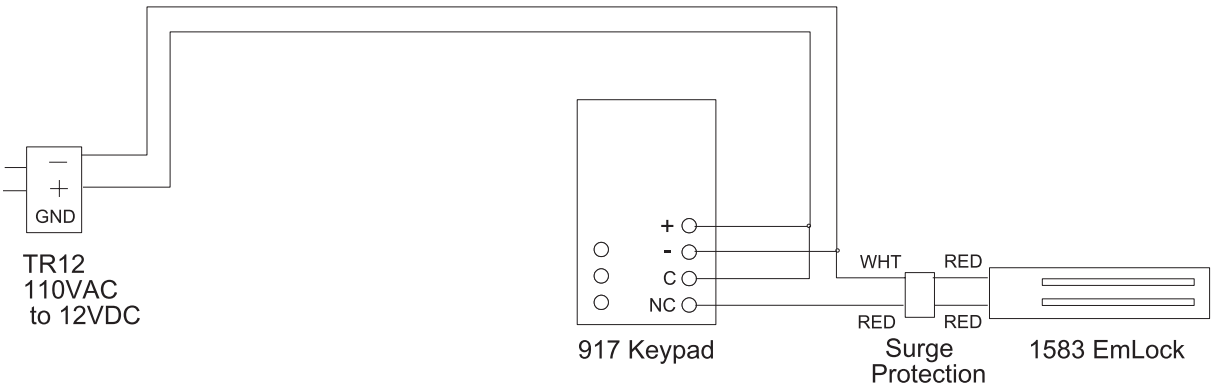


Figure 3. 1583 EMLock® with DC plug-in transformer and SDC 917 keypad



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HI/SHEAR®

ELECTROMAGNETIC LOCK

Hi/Shear® Magnetic Door Locks

IDC Hi/Shear® magnetic lock utilizes several of the most innovative and unique design attributes. The Hi/Shear is the magnetic lock that gives those who want a better shear lock all the latest features.

The IDC Hi/Shear® is a totally concealed, high security, failsafe locking mechanism with superior appearance. The patented Hi/Shear® electromagnetic lock design incorporates a “floating” armature assembly and special alloy steel locking “tabs” on both the lock and armature assemblies, that may be adjusted both vertically and laterally to compensate for wide door gaps and warped or misaligned doors.

Hi/Shear® magnetic locks are ideal for use on commercial grade hollow metal and wood doors and frames and Herculite doors with top rails.

Concealed

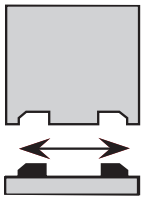
Semi-Concealed

Surface Mount

Hi/Shear® Magnetic Lock Features

Door Static and Alignment Sensor
The door static sensor ensures that the door is at rest and aligned, before the magnet is permitted to energize, eliminating potential for lock misalignment.

Lateral Alignment Adjustment
Lateral adjustment of shear tabs to compensate for warped or misaligned doors, permitting accurate locking.



Adjustable Tabs

Vertical Alignment Adjustment
Vertical adjustment of both the armature and the adjustable delay relock sensor compensates for wide door gaps.

Floating” Assembly
A unique “floating” action makes for easier armature lift when the magnet is energized and provides the ability to overcome wide door gaps.

2000 or 2700 Lbs Holding Force
2000 or 2700lbs. of holding force without current inrush or high operating temperature normally associated with shear locks.

Alloy Steel Shear “Tabs” on Lock and Armature
Alloy shear tabs are used on both the lock and the armature to ensure continued high holding force. There is no profiling of the soft armature steel that may be prone to wear and reduced holding force.

Advanced Electronic Circuitry
Advanced electronic circuitry that incorporates door static, positioning and timed relock sensor and automatic voltage sensing for 12/24VDC input.

Quieter Operation
Noise dampeners greatly reduce the noise associated with locking and unlocking of other shear locks on the market.

c UL US LISTED
Auxiliary Locks

BHMA CERTIFIED

UL10C Positive Pressure Compliant
UBC Classified in accordance with Uniform Building Code standard 7-2 “Fire Test for Door Assemblies”

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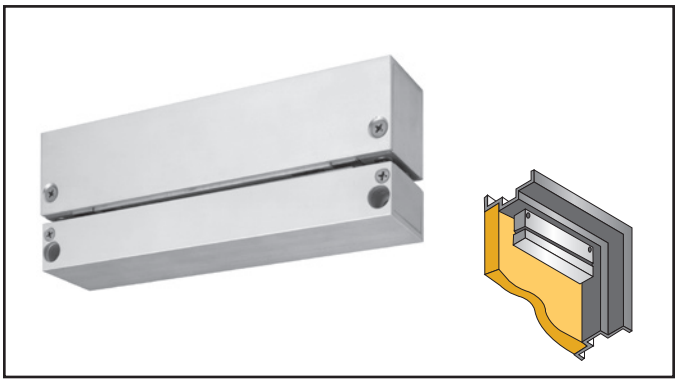
Surface Mount Hi/Shear®

Surface mount configurations incorporate the innovative 2000 lb holding force Hi/Shear® electromagnetic lock in a compact housing smaller than many mini surface mount direct pull magnetic locks. The surface mount design also provides the advantage of mounting the Hi/Shear® on the secure side of the door opening, eliminating potential for tampering.

1561S Surface mounted to the push side of an out-swing door. For metal door and frame, glass door with top rail and metal frame, or wood door and frame

1561TJ Surface mounted to the pull side of an in-swing door. For metal door and frame, glass door with top rail and metal frame, or wood door and frame. This mounting configuration eliminates the need for cumbersome and unsightly top jamb Z brackets normally associated with pull side mounted of magnetic locks

1561S Surface Mount



Semi-Concealed Hi/Shear®

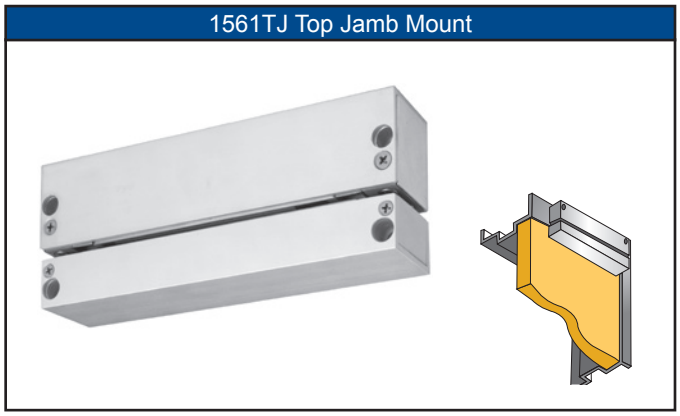
The semi-concealed configuration incorporates the innovative 2000 lb Hi/Shear® concealed electromagnetic lock with a surface mounted armature assembly. The semi-concealed design also provides the advantage of mounting the Hi/Shear® on the secure side of the door opening, eliminating potential for tampering.

1562SC Semi-concealed mounted to the push side of an out-swing door. The mortise magnet is concealed in the frame and the armature is surface mounted on the door. For metal door and frame, glass door with top rail and metal frame, or wood door and metal frame.

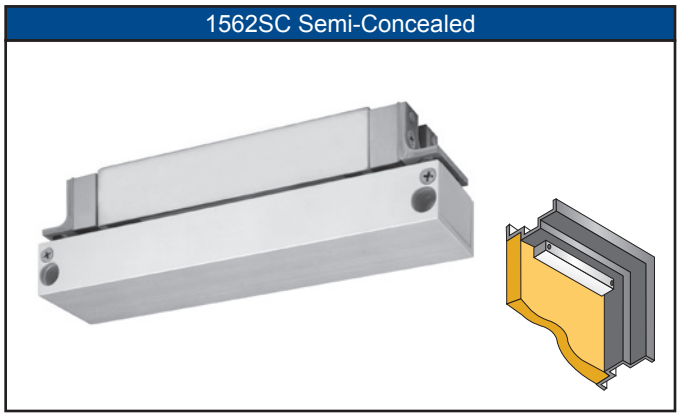
1562SCHDB 1/2 Semi-concealed mounted to the push side of an out-swing glass door. The mortise magnet is concealed in the frame and the armature is surface mounted on the ½" glass door where no top rail is present utilizing the Herculite door bracket.

1562SCHDB 3/4 Semi-concealed mounted to the push side of an out-swing glass door. The mortise magnet is concealed in the frame and the armature is surface mounted on the ¾" glass door where no top rail is present utilizing the Herculite door bracket.

1561TJ Top Jamb Mount



1562SC Semi-Concealed

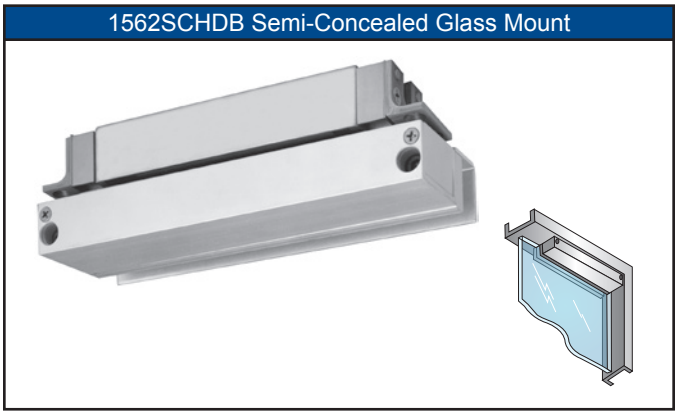


Options

BA Bond sensor indicates proper armature contact or reduced holding power due to improper armature contact or tampering. SPDT 0.25Amp (not available on 1562 / 1566)

DPS Door position switch indicates door open or closed. SPDT 0.25 Amp maximum.

1562SCHDB Semi-Concealed Glass Mount



Specifications

Automatic Voltage Sensing Input

1561/1562 650/350mA @ 12/24VDC

Lock Body Dimensions

Mortise 8"L x 1.5"W x 1.25"D (203.2 x 38.1 x 31.7mm)

Surface 8"L x 1.625"W x 1.75"D (203.2 x 41.2 x 27.1mm)

Armature Assembly Dimensions

Surface 8"L x 1.625"W x 1"D (203.2 x 41.2 x 25.4mm)

Finish 628 Anodized Aluminum

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2000 Lbs Holding Force, 8" x 1-1/2" Lock

1561 Integrated electronics, 1 5/8" depth for 1¾" to 2" frames

1562 External electronics, 1¼" depth for 1¼" to 1½" frames

2700 Lbs Holding Force, 10-7/16" x 1-1/2" Lock

1565 Integrated electronics, 1 5/8" depth for 1¾" to 2" frames

1566 External electronics, 1¼" depth for 1¼" to 1½" frames

Specify Armature

Armature supplied with lock. Specify type required:
1565/1566 ITC, FTC or HTC
1561/1562 ITCM, FTCM or HTCM

ITC
ITCM Standard mounting armature kit for aluminum and hollow metal doors with 7/8" to 1 1/8" deep top channels, wood doors and factory prepared hollow metal flush edge doors.

FTC
FTCM Mounting kit for field prepared horizontal mounting in hollow metal doors with flush edge.

HTC
HTCM Mounting kit for 1-15/16" deep Herculite channels

Options

BA Bond sensor indicates proper armature contact or reduced holding power due to improper armature contact or tampering. SPDT 0.25Amp (not available on 1562/1566)

DPS Door position switch indicates door open or closed. SPDT 0.25 Amp maximum.

HTR Herculite top rail armature adjustment bracket for leading edge adjustments.

WDRB Wood door reinforcement box for 1565 and 1566

WDRBM Wood door reinforcement box for 1561 and 1562

Specifications

Automatic Voltage Sensing Input

1561/1562 650/350mA @ 12/24VDC

1565/1566 800/400mA @ 12/24VDC

Lock Body Dimensions

1561 8"L x 1.5"W x 1.625"D (203.2 x 38.1 x 41.3mm)

1562 8"L x 1.5"W x 1.25"D (203.2 x 38.1 x 32mm)

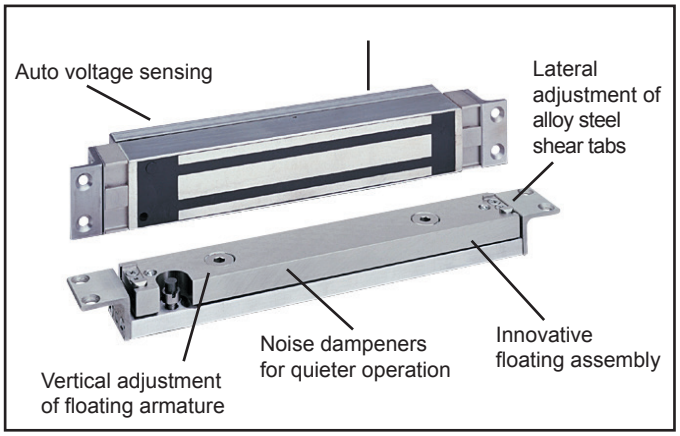
1565 10.4375"L x 1.5"W x 1.625"D (265.1 x 38.1 x 41.3mm)

1566 10.4375"L x 1.5"W x 1.25"D (265.1 x 38.1 x 32mm)

Armature Assembly Dimensions

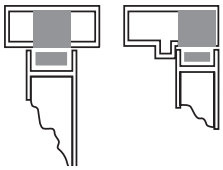
1561/1562 8"L x 1.5"W x .875"D (203.2 x 38.1 x 22.2mm)

1565/1566 11"L x 1.5"W x .875"D (279.4 x 38.1 x 22.2mm)



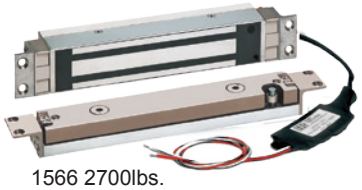
Hi/Shear® with integrated electronics for standard 1¾ - 2" frames

1565 2700lbs.

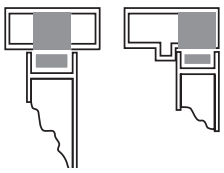


1561 2000lbs.

Hi/Shear® with external electronics for narrow 1¼ - 1½" frames



1566 2700lbs.



1562 2000lbs.

Protected by one or more of the following patents:
4,826,223 4,986,581 5,000,497 5,006,723 5,003,779

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VERBAL EXIT INSTRUCTIONS OR ALARM TONE ONLY AND DIGITAL COUNTDOWN DISPLAY

101-DE EXIT CHECK®

DELAYED EGRESS CONTROLLER

Verbal Exit Instructions or Alarm Tone Only and Digital Countdown Display

- ***Stop Employee Theft***
- ***Stop Retail Shoplifting***
- ***Restrict Airport Patrons***
- ***Restrict Wandering Patients***

The integral verbal message, digital countdown display and sign provide comprehensive and clear instructions of the door operation for persons without prior knowledge of the exit delay, including the sight and hearing impaired.

The digital keypad eliminates the need to carry and locate keys for reset and bypass functions.

Application

When unauthorized egress is initiated IDC Exit Check® delays egress through the door for 15 or 30 seconds. Meanwhile, the person exiting must wait, while personnel or security responds. The door unlocks after 15 or 30 seconds have elapsed permitting egress. When powered by a fire control supervised power supply, the lock will release immediately in an emergency.

Exit Check® applications include:

- Theft protection for technology, merchandise and other valuables, such as museum artifacts.
- Restriction of airport patrons and public facility visitors for security and public safety.
- Restricting the egress of patients for their own safety.

Benefits

Designed for low to medium security applications, Exit Check® benefits include:

- Use of smaller or less obtrusive EmLocks® with a choice of 650 lbs.,1200 lbs. or 1650 lbs. holding force.
- Direct eye contact with egress status annunciation and easy to reach controls for alarm reset, sustained bypass and momentary bypass functions.

FWAX Special Locking Arrangements
GWXT Auxiliary Locks

CSFM
3774-0324:103

Features

Egress Delay
- 15 or 30 second exit delay
- 1 or 2 second nuisance delay

Built-In 3 Function Keypad
- Alarm and lock reset
- 1 to 30 second bypass
- Sustained bypass
- Additional keyswitch optional

Control Inputs
- 1 to 30 second request-to-exit and access bypass with anti-tailgate
- Alarm reset

Built-in Annunciation
- Armed mode
- Nuisance mode
- Irreversible egress mode
- Release mode
- Digital countdown display
- Field selectable voice notification or tone
- Field selectable male voice with security message or female voice with safety message

Monitoring Outputs
- Armed status
- Egress initiation status
- Released status

Optional EMLock Outputs
- Door position sensor - indicates door open and door closed, commonly used to verify egress after release
- Magnetic bond sensor - indicates locked with full holing force, low holding force, unlocked and tampering

Choice of Mounting
- Recessed mounted (3 gang plaster ring included)
- Surface mounted with optional 3 gang box (DEC-J)

Trigger Modes
- Egress alarm triggered by door movement when used with IDC 1500DE series EmLocks.
- Trigger input from external device field selectable (N/O or N/C)

Power-Up Modes
- Field selectable automatic or manual power up after emergency release or power loss. Use of manual power up complies with California Building Code (OSHPD) requirements

Display Modes

15	
00	Alarm countdown period has ended, door is unlocked and alarm sounding until reset.
: :	Door has been opened after REX, Bypass or Alarm.
- -	Door unlocked and alarm is shunted (REX or Bypass)

Code Compliance

- IFC International Fire Code
- IBC International Building Code
- NFPA 101 Life Safety Code
- NFPA 1 Uniform Fire Code
- California Building Code

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West: 800-544-4422 • East: 800-225-6737
www.intldoorclosers.com

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Model

DELAYED EGRESS CONTROLLER

101-DE Wall mount controller with keypad control and reset, 180 mA @ 12/24 VDC
101-KDE Wall mount controller with both keypad and keyswitch control and reset (less cylinder)

MAGNETIC LOCK WITH ACTIVATION SENSOR *Specify 2 for pair of doors*

Indoor Locks

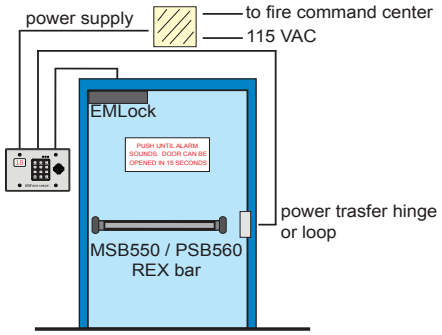
1511DEV Single, 1650 lbs holding force, 670/350 mA @12/24 VDC, 628 finish standard
1571DEV Single, 1200 lbs holding force Energy Saver, 250/125 mA @12/24 VDC, 628 std
1581DEV Single, 650 lbs holding force, 440/220 mA @12/24 VDC, 628 finish standard

Indoor/outdoor locks with activation sensor and conduit fitting

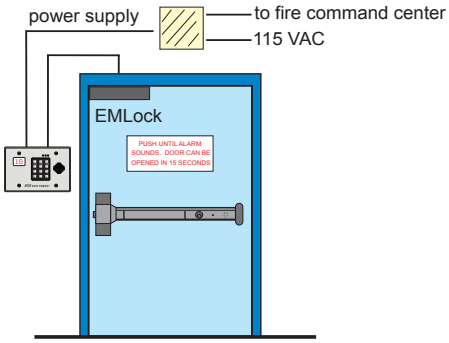
See 101-1AK for outdoor reset application

1575DEU Single magnetic lock with magnetic bond sensor, 630 finish standard
1576DEU Single face drilled magnetic lock with magnetic bond sensor, 630 std

Door Without Latch Assembly
Activation By Sure Exit® Push Bar



Door With Latch Assembly
Activation By Door Movement



Finish

Not available with outdoor lock

628 Clear Anodized Aluminum *(Std)*
335 Black Anodized
Dark Bronze Powder Coat (313/613 equal)

Options

B Magnetic bond sensor. Indicates locked with full holding force, low holding force, unlocked, tampering and obstructions. (1581DEV SPST only)

D Door position sensor. Indicates door open and door closed. Commonly used to verify egress after alarm and exit delay activation. Not available with 1581DE, 1575DE or 1576DE

VI English and Spanish, or English and French verbal announcement

VIC Custom verbal announcement *(minimum 10 piece purchase)*

Accessories

DEC-J

101-DE, DEC-J, SHD-J

Specifications

INPUTS
Voltage input: Auto sensing 12/24VDC
Reset input: NO, Dry
REX input: NO, Dry
Trigger: N.C or N.O., dry

MONITORING OUTPUTS
Alarm Output: 1 Amp @ 30VDC SPDT, dry
Locked Output: 1Amp @ 30VDC SPDT, dry

MECHANICAL SPECIFICATIONS

Controller:	6.5" x 4.5" x 1.5" (165 x 114 x 38mm)
1581DE:	8.75" x 2.125" x 1.25" (222 x 54 x 32mm)
1571DE / 1511DE:	11" x 2.75" x 1.562" (279 x 69.9 x 39.7mm)
1575DE / 1576DE:	8.7" x 2.5" x 1.6" (221 x 63.5 x 41mm)

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EXIT CHECK® DELAYED EGRESS LOCKS

DELAYED EGRESS LOCK

Exit Check® Delayed Egress Lock Proprietary Features:

- ***Voice and digital display provides informative annunciation for people without prior knowledge, including the blind and hearing impaired***
- ***Field selectable voice & tone or tone only***
- ***Voice provides warning or safety message, countdown and time of door release***
- ***Digital countdown display also indicates if door was open after lock release.***
- ***Fixed 15 second delay or selectable 15 or 30 second exit delay***

Application

Airport & Public Facility Security & Safety
Control pedestrian traffic in government, public facilities and transportation facilities, including airport jetways and tarmacs.

Loss Prevention
Provide theft protection of merchandise, technology and other valuables such as, art and museum artifacts.

Wandering Patient and Infant Protection
Restrict the egress of psychiatric and drug rehab patients, elderly patients in assisted living facilities and restrict the movement of nursery infants for their own safety and security.

Operation
Typically used on exit doors, when unauthorized egress is initiated when in the locked mode, the IDC Exit Check® delays egress through the door for 15 or 30 seconds. Meanwhile, the person exiting must wait while personnel or security respond. The door unlocks after 15 seconds have elapsed, permitting egress. A signal from the fire life safety system will release the lock for uninhibited egress in an emergency. 30 second delay available where approved.

Facility Applications

- Airports
- Convention Halls
- Wholesale Stores
- Retail Stores
- Long Term Care
- Drug Rehab
- Psychiatric Care
- Infant Nurseries
- Museums
- Art Galleries
- Warehouses
- Technology Facility

Code Compliance

Exit Check® models comply with todays building and fire life safety codes.
See page 4

IBC, International Building Code
1008.1.8.6 Delayed Egress Locks

IFC, International Fire Code
1008.1.8.6 Delayed Egress Locks

NFPA 101, Life Safety Code
7-2.1.6.1 Delayed Egress Lock

CBC, California Building Code
1008.1.8.6 Special Egress Control Devices

BOCA, National Building Code
1017.4.1.2 Special Locking Arrangements

Chicago Building Code
10 (13-160-269) Electro-Magnetic Locking Devices. Certificate of approval available

Patient & Infant Tracking Systems

The IDC Exit Check® is compatible with patient tracking systems, like those used for protection against infant abduction from hospital nurseries, and for the protection of patients in long term care facilities who may be endangered if they leave their care facility without supervision.

Access Control

Access controls may be utilized for authorized egress, access and lock reset. Access from the exterior of latching doors requires an additional means of mechanical lock release, such as a mechanical key or electric strike.

Local Approval

All installations must be approved by the Authority Having Jurisdiction (AHJ).

c UL us LISTED
FWAX Special Locking Arrangements
GWXT Auxiliary Locks

UL10C Positive Pressure Compliant
UBC Classified in accordance with Uniform Building Code standard 7-2 "Fire Test for Door Assemblies"

MADE IN THE USA

3774-0324:103
California State Fire Marshall Listed

BHMA CERTIFIED
ANSI/BHMA A156.24 Grade 1
American National Standard for Delayed Egress Locks

Protected by one or more of the following U.S. Patents:
5,429,399 4,609,910

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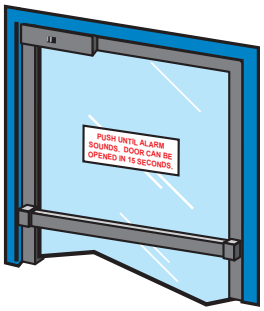
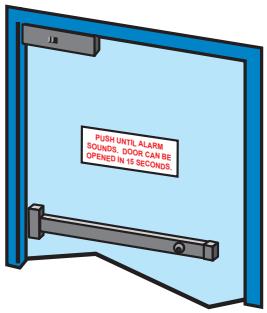
Single Model

For use with single doors equipped with:

- Mortise or rim mount exit devices
- Surface or concealed vertical rod exit devices with surface or concealed strikes and triggers
- Mortise or cylindrical locksets

1511S



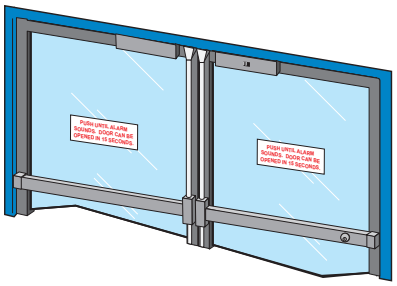


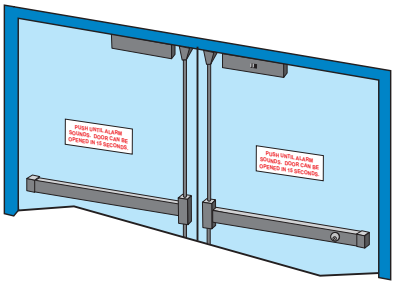
Tandem Model

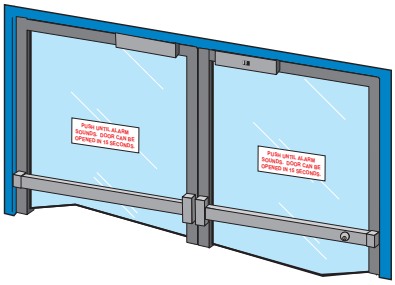
Activating either door unlocks both doors.
For use with pairs of doors equipped with:

- Mortise or rim mount exit devices
- Surface or concealed vertical rod exit devices with surface or concealed strikes and triggers
- Mortise or cylindrical locksets

1511T







Code Compliant Door Sign

PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS.

Verbal and Digital Annunciation

The Exit Check® series incorporates an alternating verbal message, verbal count-down and alarm tone, plus a large digital countdown display and door release indicator that provides a clear warning for the safety of persons without prior knowledge of door operation, including the blind and hearing impaired.

Features

- Field selectable voice message and alarm tone, or alarm tone only, 75 db @ 3 ft
- The visual display provides a digital countdown, indicates lock release and verifies if the door was opened for egress.
- Choice of fixed 15 second exit and 1 second nuisance delay or field selectable 15 or 30 second exit delay and 1 or 2 second nuisance delay
- Field selectable security or safety message
- Field selectable activation:
  Door movement
  Exit device with switch kit
  Exit sense bar for non-latching doors
- Field selectable automatic or manual power up after emergency release or power loss.
- Integrated 3 position key switch provides:
  Lock and alarm reset
  Manual power-up*
  Sustained bypass
  Timed bypass, adj. for 1, 15, 20 or 30 seconds
- Field selectable door prop alarm:
  Alarm sounds when door is left open after selected bypass time has elapsed.
- Anti-tailgate feature
- Single or multi-door zone control and reset capability

Control Inputs

- Remote access control and REX input, field adjustable for 1,15, 20 or 30 seconds
- Remote reset input
- Manual power-up input*
- Emergency release input
- Anti-tailgate input

Monitoring Outputs

- Door secure and unlocked output
- Delayed egress activation alarm output

Options

- Custom message, language or shortened exit delay times
- Energy Saver, 1200lb holding force 400/275mA @ 12/24VDC
- Magnetic Bond Sensor output
- Door Status Sensor output
- Anti-tamper sensor output

* Not available with (BD) Chicago and BOCA code compliant models

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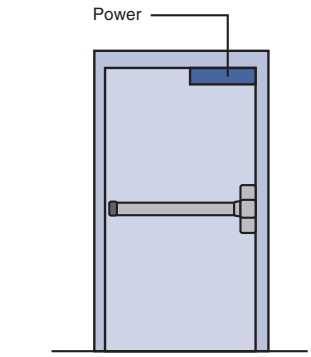
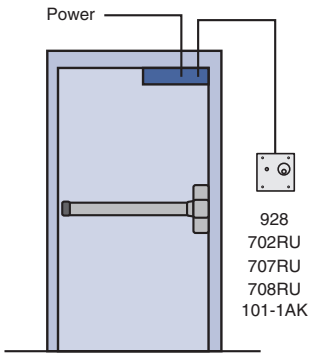
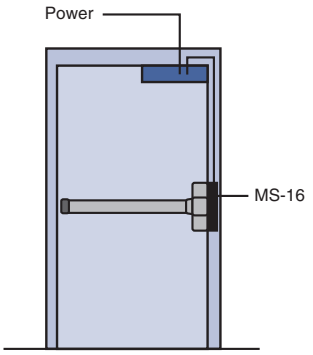
Component Consideration



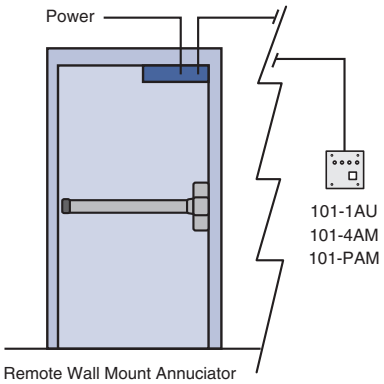
Door Movement Trigger by Latching Exit Device
Rim Mount, Mortise, or Vertical Rod



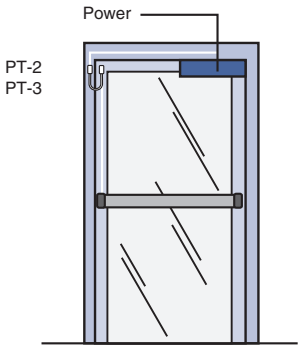
Optional Wall Mount Key Reset
(Built-In Key Reset Standard)



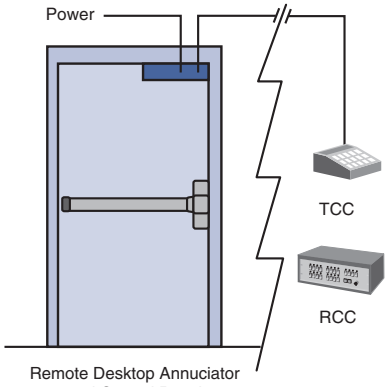
Latch Monitoring Strike Trigger
For Mortise Exit Devices or Lock



Remote Wall Mount Annuciator



Sense Bar Trigger Non-Latching
PSB560, MSB550



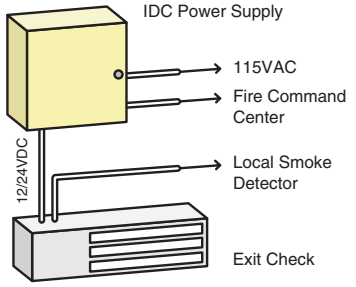
Remote Desktop Annuciator
and Control Panel

Emergency Release Modes

Dual Emergency Release

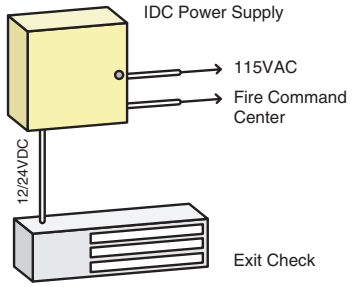
IDC 600 Series Power Supply and Integrated Lock Emergency Release

- Field Selectable Lock Auto Reset or Lock Manual Key Reset
- Field Selectable Power Supply Output
- **Automatic reset standard, see *MR option for manual reset.**



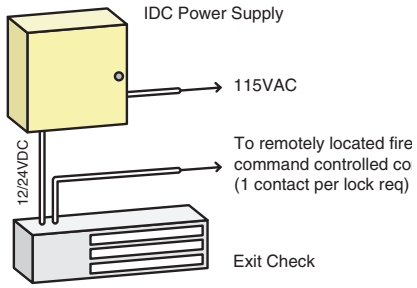
IDC 600 Series Power Supply Emergency Release

- Field Selectable Lock Auto Reset or Lock Manual Key Reset
- Field Selectable Power Supply Output
- **Automatic reset standard, see *MR option for manual reset.**



Integrated Lock Emergency Release

- Field Selectable Lock Auto Reset or Lock Manual Key Reset
- Field Selectable Power Supply Output
- **Automatic reset standard, see *MR option for manual reset.**



*Emergency Release Manual Reset
Not Available with 631RF Power Supply

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Station Controls and Annunciators

While the Exit Check® is equipped with a standard built-in key switch for reset and bypass functions, wall mounted stations provide for convenient alarm reset, sustained bypass or timed bypass.

Remote annunciators provide quick identification of activated openings, enabling security or care personnel to respond rapidly. Annunciators are equipped with an audible alarm and each station is identified by one tri-color LED that identifies specific mode status.

Secure -Green
Activation - Amber x Audible Tone
Unlocked - Red x Audible Tone

928

702RU

708RU

928 Keypad *(see page 3)*
702RU Alarm Reset & Manual Power-Up Key Switch
708RU Alarm Reset, Manual Power Up & Bypass Key Switch

101-1A

101-PAM
Visual and audible annunciation, timed access, sustained bypass, and audible mute.

101-AK
Visual and audible annunciation and key switch for alarm reset, manual power up and sustained bypass.

101-4AM
Provides visual and audible annunciation with audible mute for two, three or four openings.

Consoles, Desktop and Rock Mount

IDC control and annunciator panels provide remote annunciation of multiple openings. Stations are specified in sets of four. Control switches are also available and capable of providing both sustained bypass and timed unlocking of individual doors. Consult the factory or refer to IDC control console datasheets for additional specifications.

TCC Desk Top
Stations: 4, 8 & 12

RCC
Rack Mount Stations: 4 - 20

CAB Desk Top Cabinet
CAB7: Accommodates 1 RCC
CAB12: Accommodates 2 RCC

Latch Strikes Trigger

MS-16 For mortise latch, reversible

- Fits 4.875" Strike (provided by others)
- Gap & alignment adj.
- SPDT, 5 Amps @ 30VDC

Power Transfer Loops

PT-2U Stainless Steel
PT-3V Aluminum termination box

PTH Power Transfer Hinge

PTH-4Q Four wires:

- 1 pair-1 Amp; 1 pair-250mA
- 4.5x4.5 five knuckle standard weight
- Dull Chrome

Sure Exit Request-to-Exit

The Sure Exit is a non-latching, heavy duty, request-to-exit push bar that will activate the Exit Check® when slight pressure is applied to the bar.

Model
PSB560V Aluminum Anodized
PSB560Y **Black Anodized**

Stainless steel and brass optional 36" is standard. For wider doors specify 42" or 48". May be field cut.

Specifications
Voltage Input: 12/24VDC
Current Input: 20 mA at rest, 115 mA active
Output:
Two, SPDT Dry, 3 Amp @ 28VDC
Operating Temperature: 0° - 150° F

Exit Device Switch Kits

Switch kits are field installed in the inactive hinge pad of rim mount exit devices, mortise exit devices, concealed vertical rod exit devices and surface vertical rod exit devices.

MODEL	MAKE & MODEL TO BE MODIFIED
510	Von Duprin 33, 35, 98, 99
510-2	Von Duprin 33, 35, 98, 99 DPDT
511	Von Duprin 55
512	Von Duprin 88
514	Dor-O-Matic 990, 1090, 1990, 2090
516	Sargent 9600, 9700, 9800, 9900
517	Adams Rite 8300, 8400, 8700, 8800
518	Precision Apex Series 1100
518A	Precision Apex Series 2100 - 2800
519	Jackson 1095
519-2	Jackson 1095 DPDT
521	Corbin 7000
525	Monarch 18 and 19
527	Sargent 80
527-2	Sargent 80 DPDT
528	Sargent 20/60 and Yale 2100
531	Yale 7000 (Dogging mechanism required)
535	Kawneer Mid Panel Line Dor-O-Matic 1390
540	Arrow 53/5400 series
542	Hager 4700
590	Dor-o-Matic 1690

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Self Adjusting Door Movement Sensor

The built-in door movement sensor may only be used with doors equipped with a latch assembly, such as a mechanical lockset or exit device.

The mechanical latch mechanism must be locked on the exterior and unlocked on the interior. From the inside, retracting the door latch and applying pressure causes limited door movement. The built-in activation trigger senses the door movement and initiates delayed egress operation. The self adjusting sensor helps prevent false triggering.

External Device Trigger Imput

Activation For Non-Latching Doors
The external activation trigger input must be used with doors without latch assemblies, such as latchless glass and herculite doors.

Activation may be triggered by the IDC MSB550 Switch Bar or the IDC Sure Exit®, request-to-exit push bar. A power transfer device is required. Pushing on the request-to exit push bar immediately activates the delayed egress operation.

Activation For Latching Doors
Where preferred, activation may be accomplished by a latch monitoring strike, or a switch installed in a standard latching exit device or lockset. A power transfer device is required for exit devices equipped with a trigger switch.

See IDC datasheets for detailed information on IDC MS Series Latch Monitoring Strikes, Exit Device Switch Kits and Power Transfer Devices.

Automatic or Manual Power-up

Field selectable method of lock power-up, automatic or manual, after power loss or emergency release.

Auto Power-Up
When selected, regardless of the means of deactivation, relocking of the Exit Check® occurs when power is restored and/or the fire life safety panel is reset.

Manual Power-Up
UBC, California Building Code (OSHPD) Compliant Reset
When selected, regardless of the means of deactivation, relocking of the Exit Check® is by manual means only at the door. Only after power restoration and/or fire life safety panel reset, the door may be relocked by actuating the standard built-in key reset or optional wall mounted key switch, push switch or digital keypad located adjacent to the door.

Keyless Control (optional)

928 Entry Check Digital Keypad
While the Exit Check® is equipped with a standard built-in 4 function key switch for reset, manual power up, momentary bypass and sustained bypass functions, the IDC 928 wall mounted keypad provides the convenience of keyless operation for:

- Alarm Reset
- Manual Power-Up (UBC & California required)
- Momentary or Sustained Bypass

Electrical Specifications

Input Voltage:	Dual voltage Sensing 12/24 VDC ± 10%

Standard 1650lbs Holding Force

1511S	830mA @ 12VDC 450mA @ 24VDC
1511T	1500mA @ 12VDC 850mA @ 24VDC

Energy Saver 1200lbs Holding Force

1511S (E option)	400mA @ 12VDC 275mA @ 24VDC
1511T (E option)	**650mA @ 12VDC** **400mA @ 24VDC**

Inputs
Request to Exit: Normally open, dry

Fire Alarm Release: Alarm panel closed dry contact. Opening of contact releases lock.

Monitoring Outputs
Alarm Output:
SPDT Dry, 1 Amp @ 30VDC

Lock Secure Unlocked Output:
SPDT Dry, 1 Amp @ 30VDC

DPS Door Position Status: *(optional)*
SPDT Dry, 250 mA @ 30VDC

BAS Magnetic Bond Status: *(optional)*
SPDT Dry, 250 mA @ 30VDC

ATS Anti Tamper Sensor: *(optional)*
SPDT Dry, 1 Amp @ 30VDC

Mechanical Specifications

BHMA Certified ANSI Grade 1
Holding Force
- **1650lbs 1511S**
- **1200lbs 1511S Energy Saver**

Single:	11"L x 2.75"H x 2.625"D (279 x 70 x 67mm)
Tandem:	
Master:	11"L x 2.75"H x 2.625"D (279 x 70 x 67mm)
Slave:	11"L x 2.75"H x 2.625"D (279 x 70 x 67mm)
Armature:	7.375"L x 2.375"H x 0.5625"D (187 x 60 x 14mm)

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Single or Tandem

Models are available to accommodate single and pairs of doors.

S (Single)

T (Tandem)

Mounting Detail

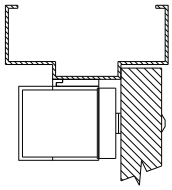

Fig.1A Standard Mounting

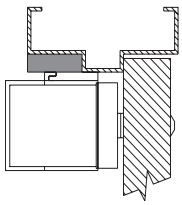

Fig. 1B With Filler Plate
Refer to Filler Plates and Angle Bracket datasheet for proper filler plate specification.

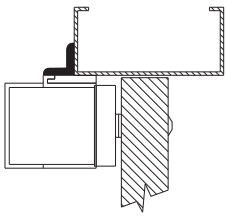

Fig. 1C With Angle Bracket
Refer to Filler Plates and Angle Bracket datasheet for proper angle bracket specification.

Code Compliance

Þ NFPA 101 ►IBC ►IFC

Standard Models

1511S NA K V Single, Adj 15/30, Aluminum
1511T NA K V Tandem, Adj 15/30, Aluminum

Operation

NA Operation
1) When the door is closed, latched, and the lock is energized, field selectable “15” or “30” is displayed, indicating the door is secure.

2) Applying pressure and retracting the door latch activates a warning tone and digital display countdown. If the door is released in 1 or 2 seconds, the warning tone stops and the door stays locked.

Non Latching Glass Doors: Activation by PSB560 Exit Sense Bar (see page 6)

3) When activation exceeds the nuisance time (1 or 2 seconds) an irreversible process begins that will unlock the door in 13 or 14 seconds. The voice message, tone and countdown annunciation continue.

MALE VOICE WITH SECURITY MESSAGE
Tone.... “Exit in twelve seconds, Security has been alerted”
Tone.... “Exit in five seconds”
Tone.... “Exit now”, Tone....”Exit now”

FEMALE VOICE WITH SAFETY MESSAGE
Tone.... “Exit in twelve seconds, Facility Staff has been alerted”
Tone.... “Exit in five seconds”
Tone.... “Exit now”, Tone....”Exit now”

TONE ONLY (In Lieu of Message)
Activation: Short beeps
Lock Release: Long beeps

4) The door unlocks when delay time has elapsed and the digital display indicates “00” and annunciation continues.

5) The lock is manually reset by built-in key (K) or optional wall mount keypad or kewswitch

6) The door will unlock upon signal from the fire life safety system or power loss.
Auto Power-Up: Lock will re-arm automatically when power is restored and fire alarm system is rest.
Manual Power Up: Lock is re-armed by manual means only at the door by key reset (K) or optional wall mounted reset keypad or keyswitch

Code Compliance

Þ California Building Code
Þ NFPA 101 ►IBC ►IFC

Standard Models

1511S ND K V Single, 15 Fixed, Aluminum
1511T ND K V Tandem, 15 Fixed, Aluminum

Operation

ND Operation
1) When the door is closed, latched, and the lock is energized, “15” is displayed indicating the door is secure.

2) Applying pressure and retracting the door latch activates a warning tone and digital display countdown. If the door is released in 1 second, the warning tone stops and the door stays locked.

Non-Latching Glass doors: Activation by PSB560 Exit Sense Bar

3) When activation exceeds the nuisance time of 1 second an irreversible process begins that will unlock the door in 14 seconds. The voice message, tone and countdown annunciation continue.

MALE VOICE WITH SECURITY MESSAGE
Tone.... “Exit in twelve seconds, Security has been alerted”
Tone.... “Exit in five seconds”
Tone.... “Exit now”, Tone....”Exit now”

FEMALE VOICE WITH SAFETY MESSAGE
Tone.... “Exit in twelve seconds, Facility Staff has been alerted”
Tone.... “Exit in five seconds”
Tone.... “Exit now”, Tone....”Exit now”

TONE ONLY (In Lieu of Message)
Activation: Short beeps
Lock Release: Long beeps

4) The door unlocks when 15 seconds has elapsed, the digital display indicates “00” and annunciation continues.

5) The lock is manually reset by the built-in key (K) or optional wall mounted keypad or keyswitch.

6) The door will unlock upon signal from the fire life safety system or power loss.
Auto Power-Up: Lock will re-arm automatically when power is restored and fire alarm system is reset
Manual Power-Up: Per California Building Code, lock is re-armed by manual means at the door by key reset (K) or optional wall mounted reset keypad or keyswitch

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Code Compliance

- BOCA, National Building Code
- Chicago Building Code

Standard Models

1511S	BD	K	V	Single
1511T	BD	K	V	Tandem

Operation

BD Operation

1) When the door is closed, latched and the lock is energized, "15" is displayed indicating the door is secure.

2) Applying pressure and retracting the door latch activates a warning tone and digital display countdown. If the door is released in 1 second, the warning tone stops and the door stays locked.

Non-Latching Glass doors: Activation by PSB560 Exit Sense Bar

3) When activation exceeds 1 second, an irreversible process begins that will unlock the door in 14 seconds. The voice message, tone and countdown annunciation continue.

MALE VOICE WITH SECURITY MESSAGE

Tone...."Exit in twelve seconds, Security has been alerted"
Tone...."Exit in five seconds"
Tone...."Exit now", Tone...."Exit now"

FEMALE VOICE WITH SAFETY MESSAGE

Tone...."Exit in twelve seconds, Facility Staff has been alerted"
Tone...."Exit in five seconds"
Tone...."Exit now", Tone...."Exit now"

TONE ONLY (In Lieu of Message)

Activation: Short beeps
Lock Release: Long beeps

4) The door unlocks when 15 seconds has elapsed, the digital display indicates "00" and annunciation continues.

5) The door must be opened and then closed for 30 seconds before the lock automatically re-locks and annunciation stops. Reopening of the door before the end of the 30 second re-locking cycle will restart the 30 second re-locking cycle. Manual reset not available.

6) Built-in key (K) or optional wall mounted keypad or keyswitch provide timed or maintained bypass.

7) The door will unlock upon signal from the fire life safety system or power loss.

Ordering Information

Model

1511S	Single
1511T	Tandem

Operation Mode

NA NFPA 101, IBC and IFC Compliant
- Field selectable:
  15 or 30 second exit delay
  1 or 2 second nuisance delay
- Field selectable automatic or manual
  power-up after emergency release

ND California Building Code (OSHPD*), NFPA 101, IBC & IFC Compliant
- Fixed 15 second exit delay
- Fixed 1 second nuisance delay
- Field selectable automatic or manual power-up after power loss or emergency release.

* Office of Statewide Health Planning and Development. All California health and care facilities require inspection by OSHPD certified building inspectors

BD
- ► BOCA, National Building Code
- ► Chicago Building Code
- 15 second fixed exit delay
- 1 second nuisance delay
- Auto reset 30 seconds after door closure. Auto reset is retriggered if door opens before 30 seconds has elapsed.
- 45 seconds when AHJ approved

Built In Reset and Control

K Built in key switch. Provides 1-30 second timed bypass, sustained bypass and alarm reset *(standard)*. Built in reset not available with BOCA and Chicago (BD) operation.

P Built in reset push switch. Available with NFPA (NA) only.

L Less key or push switch

Finish

Anodized Finishes

628 Aluminum *(standard)*
313 Dark Bronze
335 Black

Special Plated Finishes

605 Bright Brass
606 Dull Brass
625 Bright Chrome
626 Dull Chrome

Options

E Energy Saver
1200 lbs holding force, low power consumption, only 275mA @ 24VDC.

D Door Position Status
Provides remote monitoring of the door open or closed status and indicates the door has actually been opened for egress after alarm activation. *(Specify 2 for tandem)*

B Magnetic Bond Alert Sensor
Indicates locked with full holding power or unlocked, reduced holding power, tampering or foreign material between the electromagnet and armature. (*Specify 2 for tandem)*

A Anti-tamper Switch
Detects attempt to remove the access cover. (*Specify 2 for tandem)*

VI One Language or Bilingual
Spanish, or English and Spanish, verbal notification.

VIC Custom Verbal Announcement
(10 piece purchase minimum) POA

101-SP External 15 Watt Speaker
Connects directly to 1511S or 1511T for enhanced decibels of onsite or remote voice message annunciation. Speaker driver may be provided by others for extreme decibel requirements

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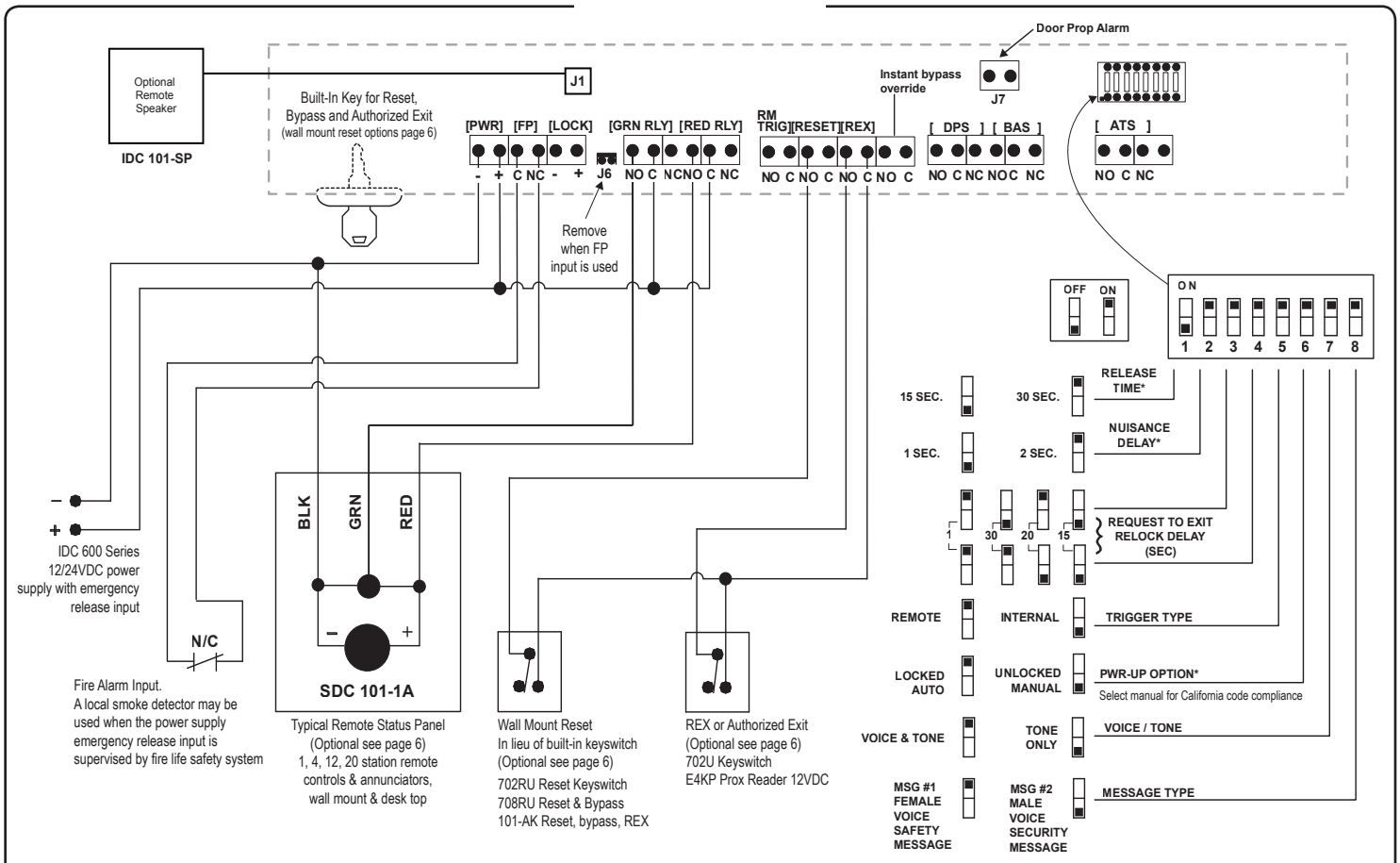
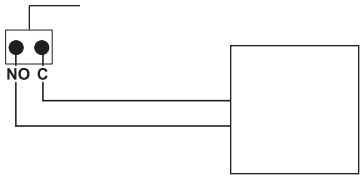


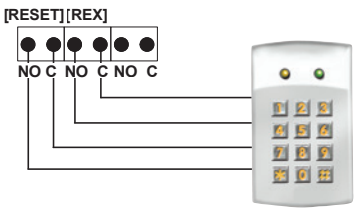
Infant and Pediatric Protection & Wandering Patient System Application

The Exit Check is unlocked when in maintained bypass or momentary bypass (access/REX) mode. When a tagged patient walks near or infant carried towards the door protection system sends a signal to the Exit Check®, locking the door immediately. Should a person then initiate unauthorized egress, the Exit Check® will provide voice and tone annunciation and delay egress for 15 or 30 seconds.

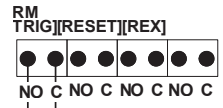


Keypad In Lieu of Built-In Keyswitch

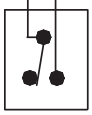
Eliminates Problem of Lost Keys, Easy To Reach for Reset, Bypass And Authorized Exit. See 928 keypad page 6. Contact IDC for Wiring instructions



Egress Bar & Exit Device Trigger



See terminal block above



Egress Device Contact

Set DIP switch No. 5 to "Remote" position

Terminal Board Connections									Monitoring Options		
POWER IN	FP	AUX LOCK OUTPUT	GRN RLY	RED RLY	REMOTE	RESET	REX	INSTANT BYPASS OVERIDE	DPS	BAS	ATS
- +	C NC	- +	NO C NC	NO C NC	NO C	NO C	NO C	NO C	NO C NC	NO C NC	NO C NC
AUTO SENSING 12/24 VDC INPUT	TO CLOSED FIRE CONTACT (REMOVE J6 WHEN USED)	SLAVE / TANDEM LOCK CONTROL OUTPUT	LOCK SECURE OUTPUT	ALARM OUTPUT	EXTERNAL TRIGGER SWITCH INPUT	EXTERNAL RESET SWITCH INPUT	REQUEST TO EXIT INPUT	INSTANT LOCKING FEATURE	DOOR POSITION OUTPUT	MAGNETIC BOND ALERT OUTPUT	ANTI TAMPER OUTPUT

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SMALL, SLIM DESIGN /650LB HOLDING FORCE

1581S DELAYED EGRESS

MINI EXIT CHECK

- ***Small, Slim Design***
- ***650lb Holding Force***

PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS.

Application

When unauthorized egress is initiated, the Mini Exit Check® delays egress through the door for 15 seconds. Meanwhile, the person exiting must wait while personnel or security respond. The door unlocks after 15 seconds have elapsed, permitting egress. A signal from the fire/life safety system will release the lock for uninhibited egress in an emergency.

Exit Check® applications include:

- Restricting the egress of patients for their own safety.
- Restricting the egress of commercial center patrons for minimum security application needs.

Wondering Patient Systems

The IDC Exit Check® is compatible with wandering patient systems, like those used for protection against infant abduction from hospital nurseries, and in long term care facilities for the elderly.

Access Control

Access controls may be utilized for authorized egress or access. Access from the exterior of latching doors requires an additional means of mechanical lock release, such as a mechanical key or electric strike.

Local Approval

All installations must be approved by the Authority Having Jurisdiction (AHJ).

c UL us LISTED

CFSM
3774-0324:103
California State
Fire Marshall Listed

Size Matters

The Mini Exit Check® is designed to meet the needs of long term care and commercial facilities that require a smaller, less obtrusive, and less expensive delayed egress lock that is better suited for minimum security needs.

In addition, the subdued alarm tone is less disruptive to patients and staff. IDC has also maintained all the features and status outputs found in most higher holding force delayed egress locks on the market.

1581SND

- UBC, NFPA 101, NFPA 1, UFC, IBC, IFC and California Building Code Compliant
- 15 second exit delay, 2 second nuisance delay
- Station control required for lock reset following unauthorized egress
- Field selectable automatic or manual power-up after power outage and fire emergency release. Manual power-up is a UBC and California State requirement.

1581SBD

- BOCA & Chicago Building Code Compliant
- 15 second exit delay, 1 second nuisance delay
- Automatically resets and locks 30 seconds after door closure
- Manual reset station not required

Standard Features

- 650 lbs Holding Force
- Subdued alarm with 2 distinct tones
  Alarm activation - intermittent
  Door release - continuous
- Choice of activation trigger
  Door movement
  Latching exit device with switch kit
  Non-latching REX bar
- Self-aligning and vandal resistant proximity sensor trigger
- 5 foot cable

Imputs and Outputs

- Sustained bypass input
- Access control / REX input, timed
- Door secure / unlocked output
- Alarm activation output
- Door Position Status (optional)
- Magnetic Bond Sensor (optional)

1581SND Field Selectable Automatic or Manual Power-Up Modes

After a power outage or fire alarm release

- When selected, automatic power-up occurs when facility power is restored and/or the fire panel is reset.

- Manual Power-up is an **California Building Code Compliant.** When selected, only after power restoration and fire panel reset, may the lock be manually energized by the reset switch adjacent to the opening

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West: 800-544-4422 • East: 800-225-6737
www.intldoorclosers.com

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More Standard Features

Slave Lock Output
The slave lock output enables the use of two units for pairs of doors and ensures that pushing on one door leaf will cause both doors to release.

Activation Triggers
The Exit Check® is equipped with a built-in activation trigger and a remote trigger device input.

Built-In Activation Trigger
The built-in activation trigger may only be used with doors equipped with a latch assembly (i.e. exit device or mechanical lockset).

The mechanical latch mechanism must be locked on the exterior and unlocked on the interior. From the inside, retracting the door latch and applying pressure causes limited door movement. The built-in activation trigger senses the door movement and initiates delayed egress operation.

Remote Activation Trigger Input Activation Trigger For Non-Latching Doors
The remote trigger activation input must be used with doors without latch assemblies (i.e. latchless glass and herculite doors).

Activation may be triggered by the IDC MSB550 Switch Bar or the SDC PSB560 Sure Exit®, request-to-exit push bar. A power transfer device is required.

Pushing on the request-to-exit push bar immediately activates the delayed egress operation.

Activation Trigger For Latching Doors
Where preferred, activation may be accomplished by a latch monitoring strike, or a switch installed in a standard latching exit device or lockset. A power transfer device is required for exit devices equipped with a trigger switch.

Specifications
- Auto sensing 12/24VDC input.
- Current: 320 mA @ 24VDC
  500 mA @ 12VDC
- Size: 10"L x 2"H x 2-3/8"D

Functions

ND **UBC, California Building Code, OSHPD, NFPA 101, IBC & IFC Compliant**
15 second fixed exit delay, 2 second nuisance delay. Field selectable manual power up after emergency release for California and OSHPD compliance

NH **IBC, IFC, NFPA 101 Compliant**
30 second fixed exit delay, 2 second nuisance delay

BD **BOCA National Building Code Compliant**
15 second fixed exit delay, 1 second nuisance delay, auto reset 30 seconds after door closure

BH **BOCA National Building Code Compliant**
30 second fixed exit delay, 1 second nuisance delay, auto reset 30 second after door closure

Finish

628 Clear Anodized Aluminum *(standard)*
Dark Bronze Powder Coat (313/613 equivalent)
335 Black Anodized
605 Bright Brass
606 Dull Brass
625 Bright Chrome
626 Dull Chrome

Optional Status Outputs

D Door position status
B Magnetic bond sensor

Accessories

Required when using two locks on a pair of doors, cables enable slave operation. Pushing either door triggers the delayed release of both doors.

1581S-TC3 Cable kit for connecting two locks through the frame header

1581S-TC-10 Cable kit for connecting wiring for two locks in a remote junction box

Reset Station Controls

Reset Station for ND and NH functions
Reset not required for BD and BH function

928
EntryCheck™ digital keypad 480 user codes, Keyless Reset / manual power up / bypass

728
Key switch 2 keys, 1 gang Reset / manual power up / sustained bypass

728L
Key switch 2 keys, 1 gang, LED status indicator Reset/ manual power up/ sustained bypass

702R
Key switch assembly 1 gang, less cylinder Reset / manual power up / momentary bypass

10
Key switch assembly, 2 gang, LED status indicator, less cylinder Reset / manual power up / sustained bypass

Latch Trigger

Latch Trigger Switch
For doors equipped with Mortise Locks and Mortise Exit Devices. Wiring from the door to frame is eliminated

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Remote Wall Mount Annunciators

Wall mount annunciators identify unauthourized egress at remote locations such as nurses stations, enabling quick personnel response.

101-1A

Remote or local single door annunciator with audible alarm and tri-color LED, 1 Gang
Green - Secure
Amber - Egress initiated
Red - Door unlocked

101-4AM

Remote four door annunciator with audible alarm mute button. Four tri-color LEDs, 2 Gang
Green - Secure
Amber - Egress initiated
Red - Door unlocked

101-PAM

Remote single door annunciator with 3 push button switches for momentary access. On/off and audible alarm mute button with tri-color LED, 2 Gang
Green - Secure
Amber - Egress initiated
Red - Door unlocked
Recommended for remote installation only

Control Consoles

TCC Desk Top

RCC Rack Mount
CAB Desk Top Cabinet

Power Transfer Loops & Hinge

PT-2

Stainless steel armored power transfer loop

PT-3

Stainless steel armored power transfer loop with aluminum termination box

PTH-4

4 wire power transfer hinge: 1-pair 1 Amp; 1-pair 250 mA UL10B Listed for use with up to 3 hour fire rated doors

Exit Device Switch Kits

Recommended for retrofit applications, switch kits are field installed in the inactive hinge pad of rim mount exit devices, mortise exit devices, concealed vertical rod exit devices and surface vertical rod exit devices.

Make and Model to be fitted

510	Von Duprin 33, 35, 98, 99
510-2	Von Duprin 33, 35, 98, 99 DPDT
511	Von Duprin 55
512	Von Duprin 88
514	Dor-O-Matic 990, 1090, 1990, 2090
516	Sargent 9600, 9700, 9800, 9900
517	Adams Rite 8300, 8400, 8700, 8800
518	Precision Apex Series 1100
518A	Percision Apex Series 2100 - 2800
519	Jackson 1095
519-2	Jackson 1095 DPDT
521	Corbin 7000
525	Monarch 18 and 19
527	Sargent 80
527-2	Sargent 80 DPDT
528	Sargent 20/60
531	Yale 7000 (Dogging mechanism required) & Corbin 4000
535	Kawneer Mid Panel Line Dor-O-Matic 1390
540	Arrow 53/5400 series

Sure Exit© Request-to-Exit Sense Bar

The Sure Exit® is a non-latching, heavy duty request-to-exit push bar that will activate the Exit Check when slight pressure is applied to the bar

PSB560V	Aluminum Anodized
PSB560Y	Black Anodized
PSB560C	Bright Brass
PSB560S	Bright Stainless Steel
PSB560U	Brushed Stainless Steel

Stainless steel and brass optional. 36" is standard. For wider doors specify 42" or 48". May be field cut.

Actuation: Pressure Sense
Technology; Tri-Failsafe
Voltage: 12/24VDC Voltage Sense Input
Current: 20 mA at Rest, 115 mA Active
Lock Output: SPDT, 3 Amp @ 30VDC
Alarm Shunt/Status Output: SPDT, 3 Amp @ 30VDC

Request-to-Exit Switch Bar

The MSB550 is a non-latching, heavy duty request-to-exit push bar that will activate the Exit Check when slight pressure is applied to the bar

MSB550V	628 Aluminum Anodized
MSB550Y	335 Black Anodized
MSB550C	605 Bright Brass
MSB550S	629 Bright Stainless Steel
MSB550U	630 Brushed Stainless Steel

Stainless steel and brass optional. 36" is standard. For wider doors specify 42" or 48". May be field cut.

Contact: SPDT Dry, 3 Amp @ 28VDC
Two contacts optional

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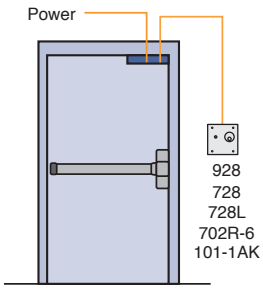
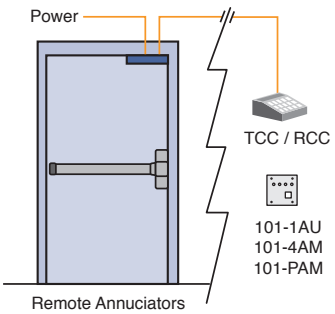
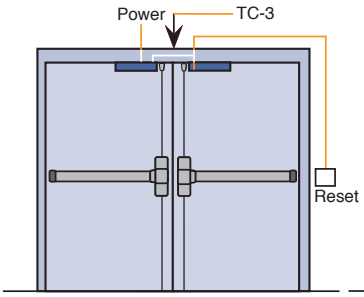


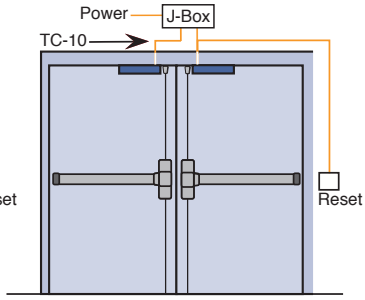
Wall Mount Reset Station
Required with 1581SND



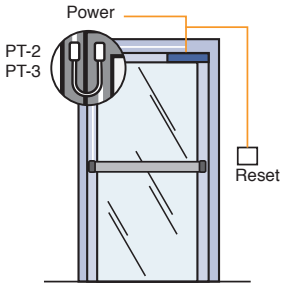
Remote Annuciators
and Control Panels



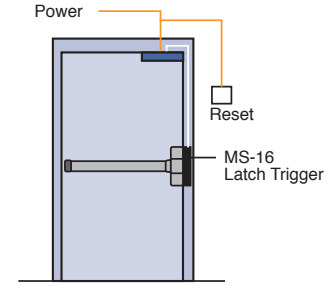
Pair of doors with two locks and required
TC-3 cable for power and slave operation
Pushing either door triggers
the delayed release of both doors.



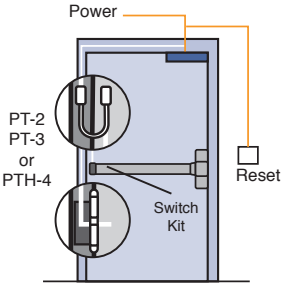
Pair of doors with two locks and required
TC-10 cable for power and slave operation
Pushing either door triggers
the delayed release of both doors.



Sense Bar Trigger Non-Latching
PSB560, MSB550



Latch Monitoring Strike Trigger
For Mortise Exit Devices



Latching Exit Device with
Built-in Switch Kit Trigger

Power Supplies

Delayed egress applications require properly approved power supplies with emergency release capability.

621B Power supply module, 1 Amp 12/24VDC, Class 2
40VA, 24VAC transformer required to achieve 1 Amp output
See SDC TP2440 plug-in or TJ2440 base mount transformers

621P Power supply module, 1 Amp, 12/24VDC, Class 2, with UL Listed plug-in transformer.

621PJ Power supply module, 1 Amp, 12/24VDC, Class 2 and small enclosure with cover mounted LED power supply status indicator and UL Listed plug-in transformer.

602RF 1 Amp class 2 output *(4 outputs optional.)*

631RF 1.5 Amp class 2 output *(4 & 8 outputs optional.)*

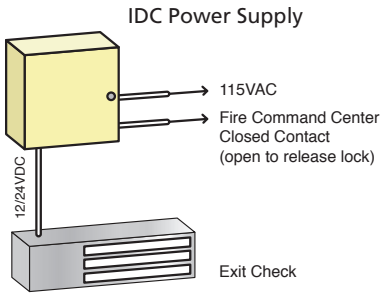
632RF 2 Amp class 2 output, *(4, 8 & 12 outputs optional.*

634RF 4 Amp; Field select one 4 Amp output or two 2 Amp class 2 outputs
(4, 8, 12 & 16 outputs optional.)

636RF 6 Amp; Field select one 6 Amp output or three 2 Amp class 2 outputs
(4, 8, 12, 16, 20 & 24 outputs optional)

Emergency Release

600 Series Power Supply Emergency Release



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ANNUNCIATORS

Annunciators

Compatible with all Exit Check® systems, the 101 series annunciators provide door status at a remote location such as a nurse's station, guard station or office. The tri-color LED provides precise delay mode status.

101-1A Single Door Annunciator
- Audible alarm
- Tri-color LED status indicator

101-4AM Four Door Annunciator
- Audible alarm
- Alarm mute switch
- Four tri-color LED status indicators

101-1AK Single Door Annunciator with Key Control
- Dual function key switch for bypass (on/off) and reset. Key cylinder not included
- Audible alarm
- Tri-color LED status indicator
- Must be located adjacent to the door

101-PAM Single Door Annunciator with Push Switch Control
- Three push switches: momentary access, bypass (on/off) and audible mute
- Audible alarm
- Tri-color LED status indicator

Specifications

Faceplate: 20 gauge stainless steel

LED: Tri-color, 20 mA @ 12/24VDC
Green - Secure
Amber - Alarm/door locked
Red - Alarm/door unlocked

Local Reset and Bypass

Used in lieu of the standard built-in reset and bypass, the wall mount controls provide a more accessible method of reset and bypass using the existing facility key system. All reset controls must be located adjacent to the door. (Key cylinder not included)

708RU On/Off Bypass and Reset Key Switch
- Left - SPDT, maintained contact for bypass (on/off)
- Right - SPDT, momentary contact for lock/alarm reset

707RU Momentary Bypass and Reset Key Switch
- Left - SPDT, momentary contact for bypass (on/off)
- Right - SPDT, momentary for lock / alarm reset

702RU Lock/Alarm Reset Key Switch
- SPDT, momentary contact for lock/ alarm reset

Specifications

Key Switch: 6 Amp @ 30VDC Max

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15 SERIES

ELECTRIC STRIKES

Features

The IDC 15 Series electric strike is designed for use with cylindrical and mortise locksets. The 15 series electric strikes incorporates all stainless steel deadlocking mechanism and an internally mounted solenoid.

- For use with 5/8" latchbolt, or up to 3/4" latchbolt with 1/8" door gap
- Choice of failsafe or failsecure
- Non-handed
- All stainless steel parts with durable die case body for corrosion resistance'
- 630 Satin stainless steel face plate
- ANSI A156.31 compliant

Screw terminal connections

Model

15-4S24U Failsecure, 24VDC
15-4F24U Failsafe, 24VDC
15-4S12U Failsecure, 12VDC
15-4F12U Failsafe, 12VDC

Specifications

Voltage : 240 mA @ 24VDC
200 mA @ 12VDC
Dimensions: 1-1/4" W x 4-7/8" H x 1-3/8" D
(31.8W x 124H x 34.9D mm)

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25 SERIES
ELECTRIC STRIKES

25 Series Electric Door Strike

- ***Low Profile - 1.25" Backset***
- ***Reversible Failsafe - Failsecure***
- ***Latch Status Output Standard***

The IDC 25 Series electric strike is designed for use with cylindrical and mortise locksets with up to 5/8” (15mm) throw latchbolt. The compact low profile design with an internally mounted solenoid and factory supplied mounting tabs enable quick and easy installation where jamb space is limited. The heavy duty construction makes the 25 Series ideal for high traffic installations.

Features

- Fail-Secure
- Field reversible for failsafe operation
- For 1/2” latch or 5/8” latch with 1/8” door gap
- Latch status output, 3Amp - SPDT
- Non-handed, reversible
- All stainless steel parts with durable die cast body for corrosion resistance
- 630 Stainless steel standard finish
- ANSI A156.31 compliant

Options

RMB Buzzer 12/24V AC/DC operation
BR64XL Rectifier for AC operation

Model

25-4U: 4-7/8" (124mm) faceplate for aluminum, wood and hollow metal frames.

Specifications

Input: 300/150 mA @ 12/24VDC
Latch Status: SPDT, 3 Amp @ 30VDC
Dimensions: 1-1/4" W x 4-7/8" H x 1-1/4" D (31.8W x 124H x 31.8D mm)

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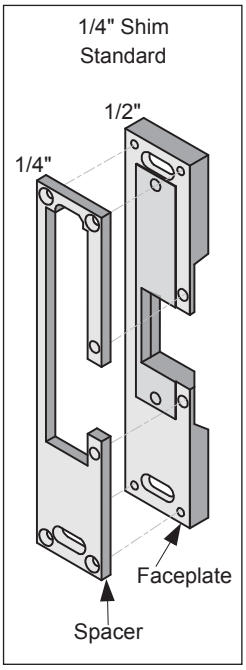
30-4 SERIES

ELECTRIC STRIKE

Features

The IDC 30-4 Series electric strike is designed for use with rim mount exit devices having pullman type latchbolts or the top pullman latch of a surface vertical-rod exit device.

- All stainless steel for corrosion resistance and strength
- Tamper resistant, heavy-duty construction
- Set screws for adjustment lockdown
- Milled ramps to better accommodate deadlatches
- Integrated shim for quick customization of faceplate thickness (3/4" to 1/2")
- In-frame horizontal adjustability
- Pullman keeper
- Non-handed, reversible
- Failsecure (standard) Failsafe (optional)
- ¾" keeper depth
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.



Model

30-4 Electric Strike with 0.75" (19mm) faceplate. Except .5" (12.7mm) without 1/4" spacer.

Specifications

12 0.51 Amp @ 12VDC, 24 OHMS
24 0.25 Amp @ 24VDC, 96 OHMS

Finish

630 Stainless Steel (standard)

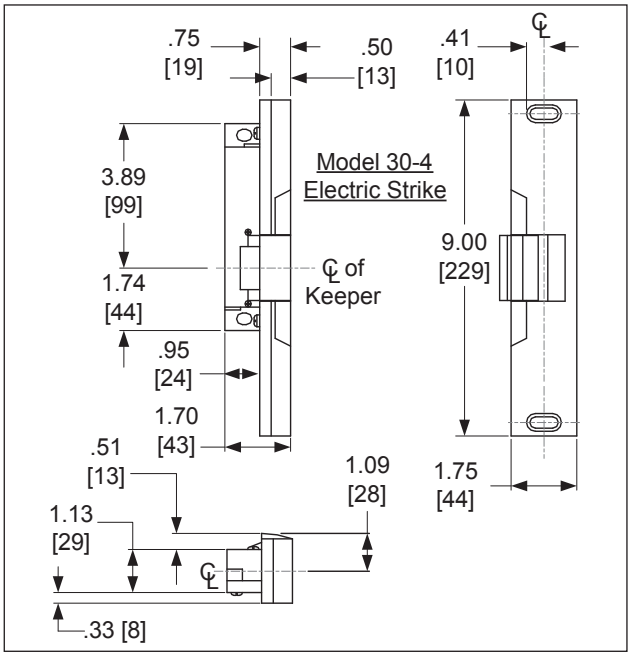
606 Dull Brass	625 Bright Chrome
612 Dull Bronze	626 Dull Chrome
613 Oil Rubbed Bronze	629 Bright Stainless Steel

Options

FS	Failsafe operation
LBM-30	Latchbolt Monitor
LCM-30	Locking Cam Monitor
BR64XL	Rectifier for AC operation

Listings

- UL 10C, 3 hour fire-rated (fail secure only)
- UL1034, burglary-resistant rated
- ANSI/BHMA A156.31, Grade 1
- CAN4-S104 (ULC-S104) fire door conformant
- DOD approved
- New York City accepted



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UNI-FLEX™ SERIES MULTI-APPLICATION ELECTRIC STRIKE

UniFLEX™ 45 SERIES

UNIVERSAL ELECTRIC STRIKE

Uni-Flex™ Series Multi-Application Electric Strike

- ***Centerline Electric Strike***
- ***4 Interchangeable Application Faceplates***
- ***Full Monitoring is Standard, Including:***
  Latched and Unlatched Status
  Keeper Closed and Deadlocked or Unlocked
- ***Keeper Open Status Optional***
- ***Reversible Failsafe/Failsecure, no disassembly***
- ***1/4" Horizontal Alignment Adjustment***
- ***Plated Architectural Finishes Available***

The IDC Uni-Flex electric strike is designed for use with locksets with up to 3/4" latchbolts*. The quality construction makes the 45 series ideal for high traffic applications. The compact low profile design enables quick and easy installation where jamb space is limited.

Features

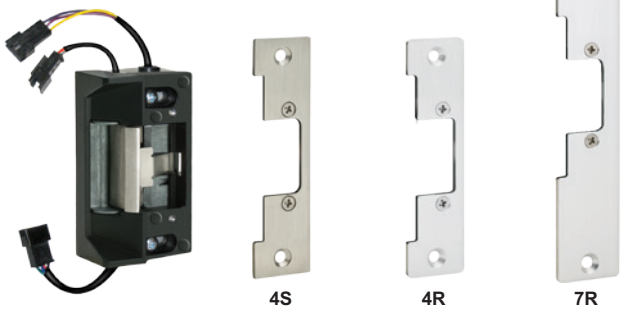
- For 5/8" latch or 3/4" latch with 1/8" door gap
- Latch position status standard
- Keeper closed & deadlocked/unlocked status standard
- Field selectable failsecure - failsafe
- Field selectable voltage, 12/24V AC/DC
- ¼" Horizontal alignment adjustment
- Low profile, 1-3/16" deep
- Plug-in wire connectors
- Mounting tabs
- Non-handed
- All stainless steel parts with durable die cast body for corrosion resistance
- Fewer moving parts for maximum life
- Stainless steel standard with square corner faceplate
- Aluminum standard with radius corner faceplate
- ANSI/ BHMA A156.31, Grade 2

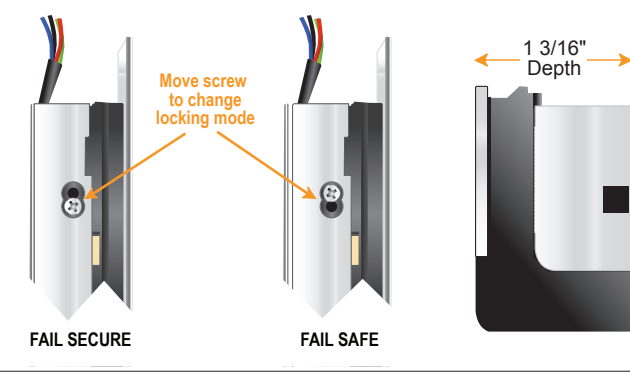
c UL US LISTED

US Patent: 7,540,542

Uni-Flex™ Pac

Multi-Application strike with three faceplates for wood, aluminum and hollow metal frames





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Uni-Flex 45 Series Electric Strike

How to Order

Models

45-4S 4-7/8" x 1-1/4" square corner faceplate
45-4R 4-7/8" x 1-1/4" radius corner faceplate
45-6R 6-7/8" x 1-1/4" radius corner faceplate
45-7R 7-15/16" x 1-7/16" radius corner faceplate
45-A Included: One 4-7/8" square corner faceplate
One 4-7/8" radius corner faceplate
One 7-15/16" radius corner faceplate

Latch Position Status Standard
Keeper Closed and Deadlocked/Unlocked Status Standard

Finish

630 Dull Stainless Steel (standard with 45-4S)
628 Dull Aluminum (standard with 45-4R, 45-6R and 45-7R)
335 Black Anodized
606 Dull Brass
613 Oil Rubbed Bronze

Options

K Keeper open/closed status
RMB Buzzer 12/24V AC/DC operation

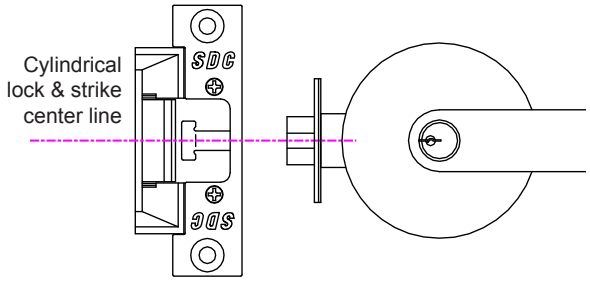
Electrical Specifications

Dual Voltage Coil: 280/140mA @ 12/24V DC
170/85mA @ 12/24V AC
Latch Position Status (std): SPDT, Dry 3Amp @ 30V
Keeper Closed & Locked Status (std): SPDT, Dry 3Amp @ 30V
Keeper Open/Closed Status (optional): SPDT, Dry 3Amp @ 30V

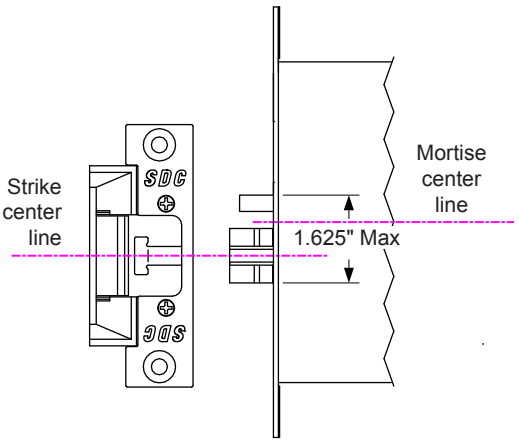
Dimensions

45-4S / 45-4R: 1-1/4" W x 4-7/8" H x 1-1/16" D
(31.8 W x 124 H x 30.2 D mm)
45-6R: 1-1/4" W x 6-7/8" H x 1-1/16" D
(31.8 W x 175 H x 30.2 D mm)
45-7R: 1-7/16" W x 7-15/16" H x 1-1/16" D
(36.5 W x 201.6 H x 30.2 D mm)

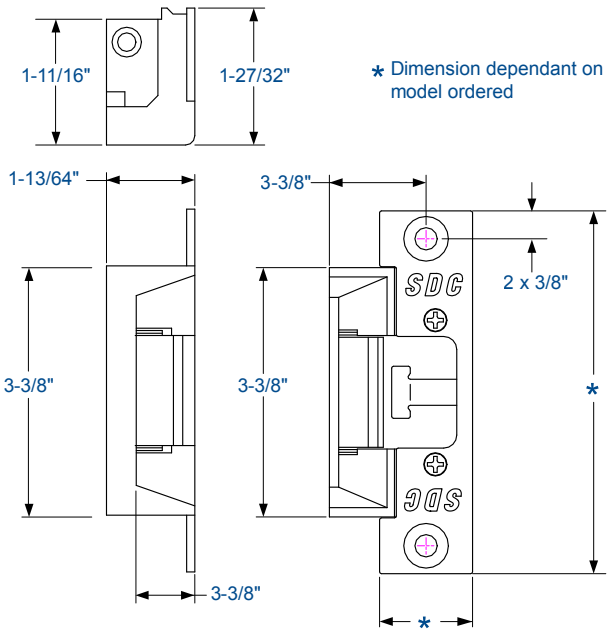
CYLINDRICAL LOCK



MORTISE LOCK
1/8" door gap required for use with ¾" latchbolts



45 SERIES DIMENSIONS



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RETROFITS EXISTING ANSI 4-7/8" STRIKE PREP – NO CENTERLINE RELOCATION

UNIFLEX™ 55 SERIES

UNIVERSAL APPLICATION STRIKE

55-A For cylindrical locksets and locksets with ANSI centerline latch entry with up to ¾" latchbolt

55-B & 55-C for mortise locksets with up to 3/4" latch

55-D & 55-E For mortise locksets with deadbolt, with or without a deadlatch below the latchbolt

55-F for mortise locksets with deadbolt and deadlatch located above the latchbolt

For New or Retrofit Construction
Retrofits Existing ANSI 4-7/8" Strike Prep – No Centerline Relocation

UniFLEX™ 55 Series heavy duty electric strikes are designed for installation in hollow metal frames for access control of cylindrical and mortise locksets and mortise exit devices. The choice of 6 application faceplates eliminates the need for centerline relocation, making them ideal for new or retrofit, high security access control applications.

Features

- No Centerline Relocation
- UL 1034 Barglary Resistant
- Up to ¾" Latchbolt and 1" Deadbolt
- Field Reversible, Failsafe/Failsecure
- 1/8" Horizontal alignment adjustment
- ANSI/BHMA A156.31 Grade 1
- Factory tested 2500 lbs, exceeds 1,000,000 cycles
- UL teste 1500 lb Static strength
- 70 ft-lb Dynamic strength
- Internally Mounted Solenoid, No Heat in Keeper
- Dual Voltage 12/24VDC
- Tamper Resistant
- All Stainless Steel Corrosion Resistant Parts and Heavy Cast Body and Keeper
- Non-handed (Deadbolt status handed)
- Plug-in pig tail connectors

5 YEAR LIMITED WARRANTY

Reversible Failsafe/Failsecure

Fail-Secure (Power-to-Unlock): Unlocked when energized.
Locked when de-energized and during power failure.

Application: For non fire rated and fire rated doors (exception, may not be used on stairwell doors). May not be maintained in the unlocked (energized) state when used with fire rated doors.

Fail-Safe (Power-to-Lock): Locked when energized. Unlocked when de-energized and during power failure.

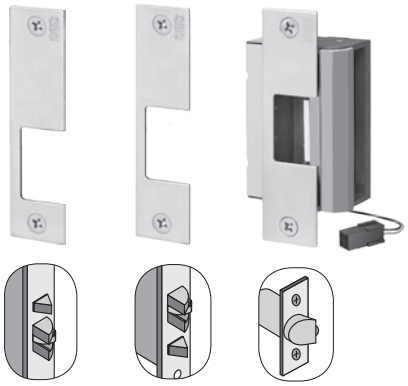
Application: Non-fire rated doors only.

CAUTION: Fail-safe is not permitted with the UL Fire Door Accessory label.

Warnock Hersey Tested according to:
UL 10C, 3 Hr Fire Rated, 4' x 8' single door
NFPA-252
CAN4-S104 (ULC-S104)
UL 1034 Burglary-Resistant
BP10254

UniFLEX™ Universal Strike

55-ABC



Application

55-ABC Universal Strike for cylindrical locks, mortise locks without deadbolts and mortise exit devices, including:

IDC	*Corbin Russwin*	*Marks*
Accurate	*Dorma*	*Sargent*
Arrow	*Falcon*	*Schlage*
Baldwin	*Hager*	*Yale*
Best		

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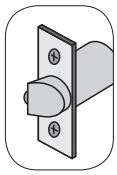
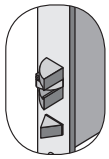
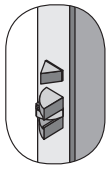
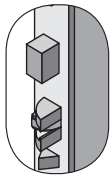
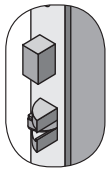
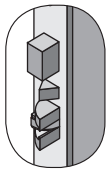
UniFLEX™ Spec - Application Specific Faceplates Included

Lock Compatibility: To determine compatibility of locksets not listed below.

UniFLEX Spec models include strike and faceplate for individual job requirements. Recommend for specifiers and industry professionals for fast and easy specification of individual installation requirements.

Model	Lockset	Application	Compatible Locks	Operation
55-A		• Cylindrical locksets • Locksets with ANSI centerline latch entry lockset with up to 3/4" latchbolt	• All cylindrical locksets with 1/2" to 5/8" latchbolts ***IDC*** - See M7200 Datasheet • Locksets with ANSI centerline latch entry with up to 3/4" latchbolt	After releasing the latchbolt, the keeper returns to the locked position.
55-B		• Mortise locksets and mortise exit devices with or without a deadlatch located **below** the latchbolt.	• *Accurate* • *Falcon* • *Arrow* • *Marks* • *Best* • *Sargent* • *Corbin Russwin* • *Yale* • *Dorma*	After releasing the latchbolt, the keeper returns to the locked position.
55-C		• Mortise locksets and mortise exit devices with or without a deadlatch located **above** the latchbolt.	• Schlage • ***IDC*** - See M7800 Datasheet • Baldwin • Hager	After releasing the latchbolt, the keeper returns to the locked position.
55-D		• Mortise locksets with a deadbolt and a deadlatch located **below** the latchbolt. • With deadbolt retainer installed, access control will not release projected deadbolt. • With deadbolt retainer removed, access control will release deadbolt. **The door will not close when deadbolt is projected.**	• *Accurate* • *Falcon* • *Arrow* • *Marks* • *Best* • *Sargent* • *Corbin Russwin* • *Yale* • *Dorma*	**Deadbolt Retracted:** When signaled by the access control the strike keeper unlocks, permitting door latch release. The strike keeper returns to the closed and locked position. The door then returns to the closed and locked position. **Deadbolt Retainer Installed** Night-Latch/Access Control Lockout: When the deadbolt is projected the strike will not release by access control. **Deadbolt Retainer Removed** Night-Latch: When the deadbolt is projected, the strike keeper unlocks, permitting door latch and deadbolt release by the access control. The strike keeper returns to the closed and locked position. **The door will not close and lock when the deadbolt is extended** and must be manually retracted to permit door closure.
55-E		• Mortise lockset with a deadbolt. • With deadbolt retainer installed, access control will not release projected deadbolt. • With deadbolt retainer removed, access control will release deadbolt. **The door will not close when deadbolt is projected.**	• Baldwin	
55-F		• Mortise locksets with a deadbolt and a deadlatch located **above** the latchbolt. • With deadbolt retainer installed, access control will not release projected deadbolt. • With deadbolt retainer removed, access control will release deadbolt. **The door will not close when deadbolt is projected.**	• Schlage • ***IDC*** - See M7800 Datasheet • Hager	

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Model

UniFLEX™: **55-ABC**

UniFLEX™ Spec: **55-A** **55-D**
55-B **55-E**
55-C **55-F**

Finish

630 Stainless Steel (std)
606 Dull Brass
612 Dull Bronze
613 Oil Rubbed Bronze
625 Bright Chrome
626 Dull Chrome

Monitoring

All strikes less monitoring are non-handed

A, B, C with monitoring are non-handed

D, E, F with monitoring are handed
L - Left hand R - Right hand
Example: 55-DU x LBM/LCM-L

LBM Latchbolt Monitor
Signals the door is closed and latched or unlatched and open.

Applications
- Door prop open monitoring
- Airlock and Interlock logic
- Access control door ajar input
- Access control anti-tailgate input

LBM/LCM Door Secure Monitor
Signals door is closed latched and the keeper is deadlocked. Also signals the door is unlatched or unlocked.

Applications
- Door secure and unlocked monitoring
- Mantraps

LBM/LCM/DBM Deadbolt and Door Secure
D, E & F functions only.

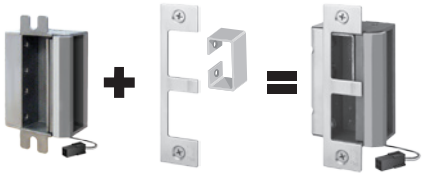
DBM signals deadbolt projected or retracted.

LBM/LCM signals the door is latched and the keeper is deadlocked, whether the deadbolt is extended or retracted. Also signals the door is unlatched and unlocked when deadbolt is retracted.

Applications
- Deadbolt night latch monitoring
- Access control lockout monitoring
- Door secure and unlocked monitoring
- Mantraps

UniFLEX™ Pro Stocking System

Universal Application Open Stock
For Stocking Installers & Distributors



Enables order fulfillment for multiple applications while reducing stocking requirements and limitations of application specific electric strikes.

How Universal Application Open Stock Works

1. Stock UniFLEX™ 55 series strike bodies and different application faceplates separately.

2. For order fulfillment, package application faceplate with model 55 strike per order specification.

UniFLEX™ Pro Strike Body

Indicate quantity and monitoring required.

55 Electric strike body, 12/24VDC

Monitoring Options
See ordering info on left
LBM
LBM/LCM
LBM/LCM/DBM

Example: **15 ea.** 55; **5 ea.** 55-LBM

Accessorie Faceplates

Faceplates determine operation and lockset compatibility. For faceplate applications see page 2. Indicate quantity and finish.

50A **50B** **50C**
50D **50E** **50F**

Specify Faceplate Finish

630 Stainless Steel (std)
606 Dull Brass
612 Dull Bronze
613 Oil Rubbed Bronze
625 Bright Chrome
626 Dull Chrome

Example:
10 ea. 50AU; **5 ea.** 50BD; **5 ea.** 50FU

Monitoring Configurations

55-A, 55-B, 55-C: LBM, LBM/LCM

A

B or C

55-D, 55-E, 55-F: LBM, LBM/LCM
LBM/LCM/DBM

D or E

F

Accessories

RMB	Plug-In Buzzer, 12/24V Indicates strike is energized
LT	Tri-Color LED, red or green or amber. Indicates strike energized per field wiring
BR64XL	Rectifier with Wire Leads Converts AC to DC

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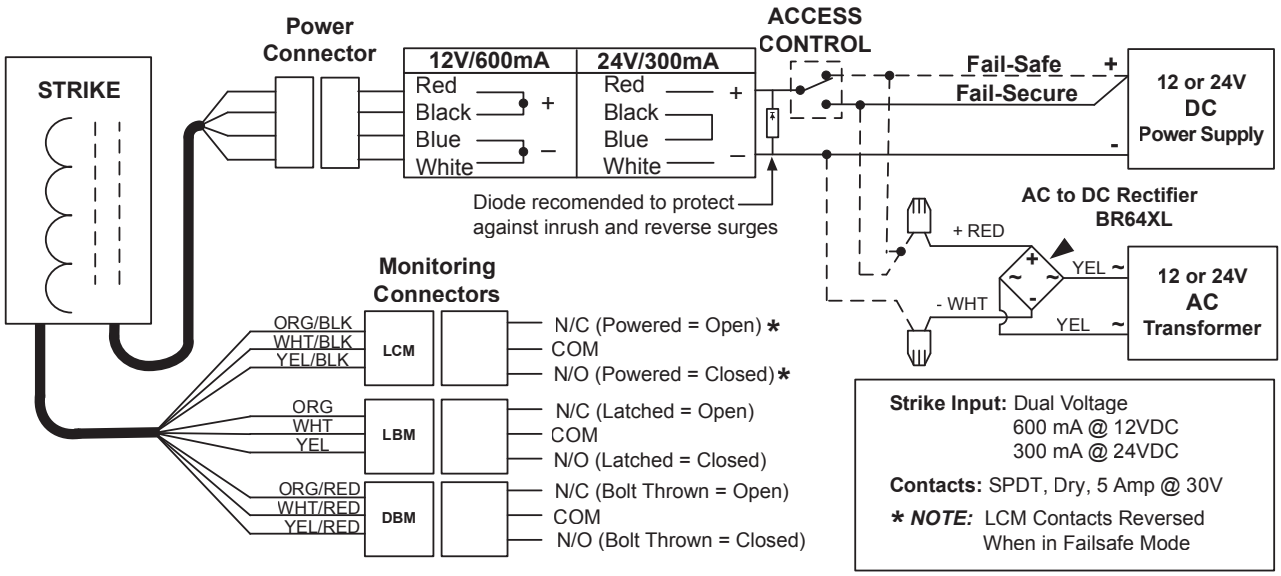
Fig. 1

WIRE DIAGRAM - 55 SERIES ELECTRIC STRIKE



Strike Input: Dual Voltage
600 mA @ 12VDC
300 mA @ 24VDC

Contacts: SPDT, Dry, 5 Amp @ 30V

* ***NOTE:*** LCM Contacts Reversed When in Failsafe Mode

HIGH SECURITY DOOR SECURE MONITORING: LBM/LCM Required
LCM & LBM wired in series indicates door is closed, latched and strike is deadlocked or door is open or unlocked

FIG. 2 **FIELD REVERSIBLE FAILSAFE / FAILSECURE**

Failsecure Mode: Factory supplied, Failsecure
Failsafe Mode: Remove cover, push solenoid toward end of strike as shown below.

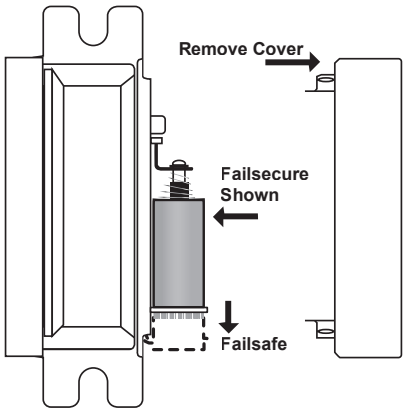


FIG. 3 **HORIZONTAL ALIGNMENT ADJUSTMENT**

3A-Nominal Alignment: Loosen mounting screws. Shift strike body behind the faceplate horizontally. Tighten mounting screws.

3B-Excessive Alignment Issues:
Remove shim filler bar from keeper.

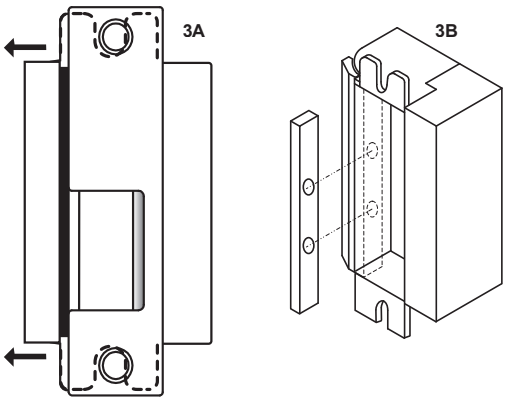


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Fig. 6 FACE PLATES - All faceplates are interchangeable for application requirements

Refer to faceplate dimensions to determine compatibility of locks and exit device brands not listed on page 2.

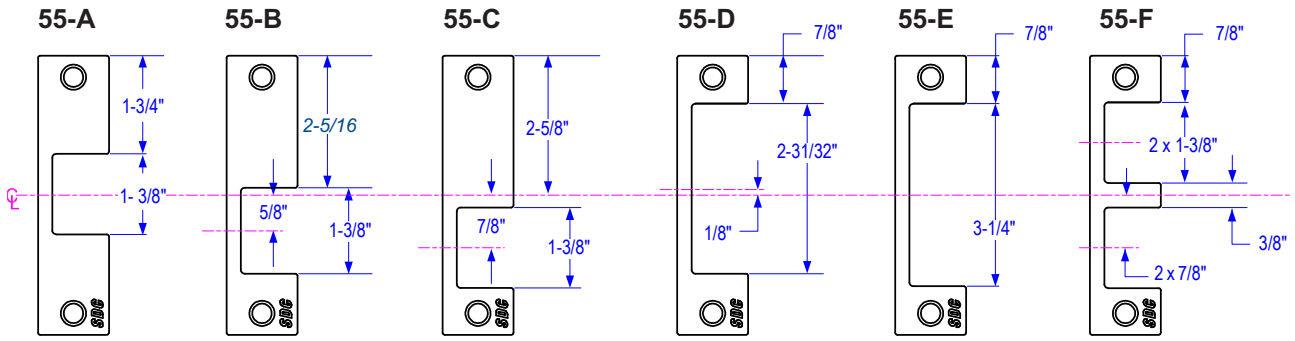
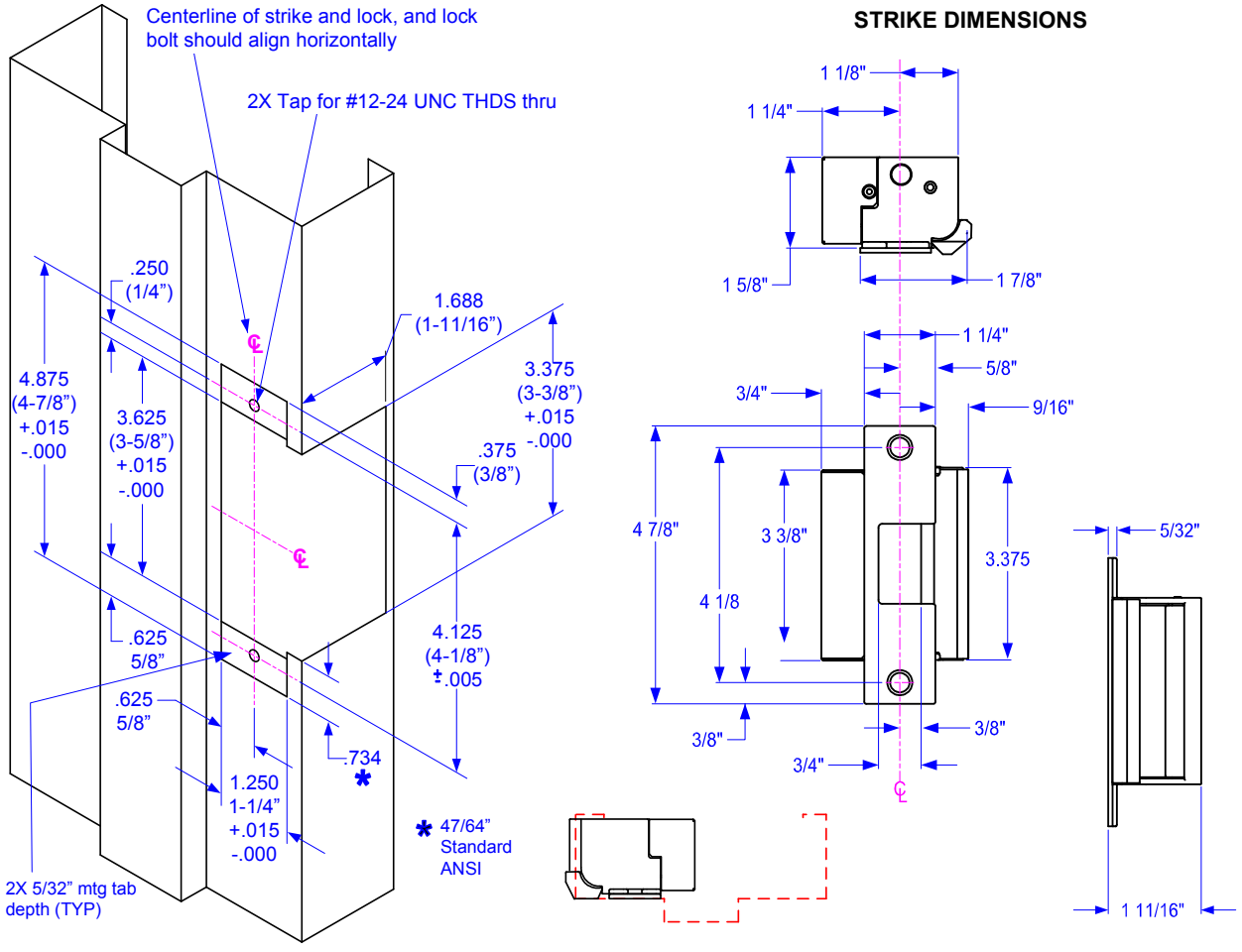


Fig. 4 FRAME PREPARATION - 55 Electric Strike



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SURFACE MOUNTED ELECTRIC STRIKE

IDC-10STRIKE RE

RIM EXIT STRIKE

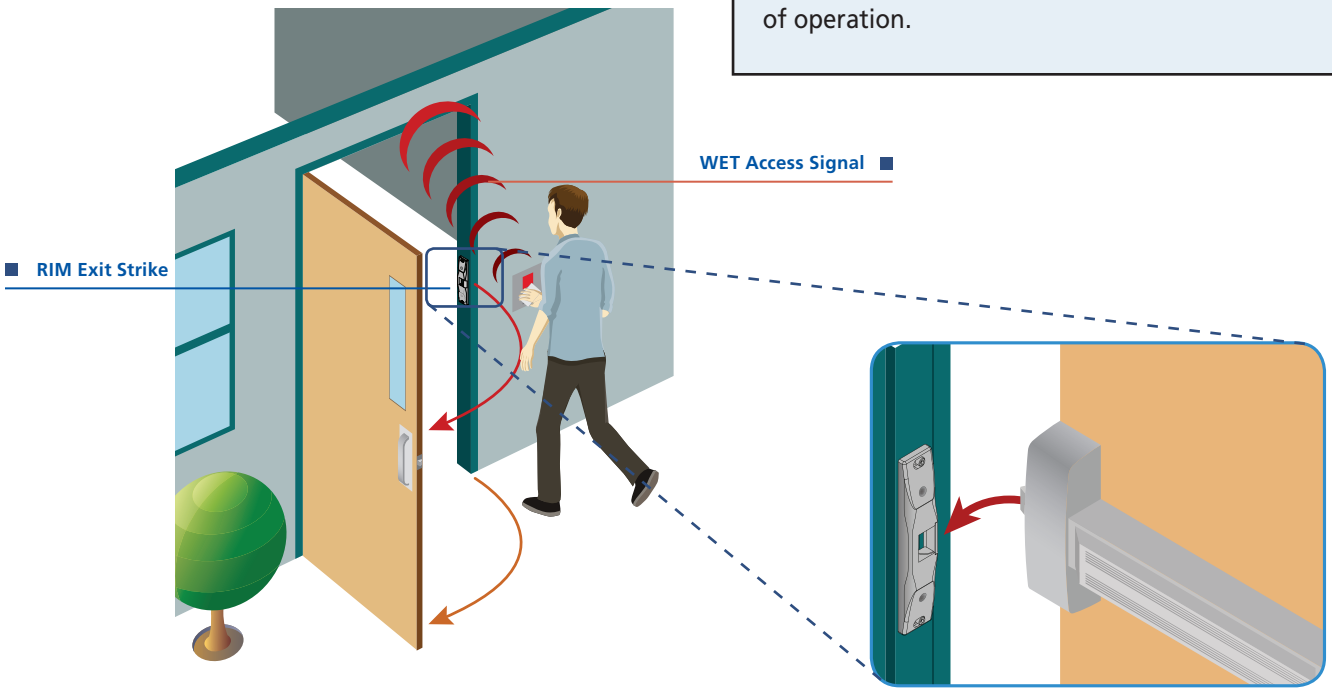
c UL us LISTED

FEATURES

- **IDC-10STRIKE RE**
- UL/ULC listed for up to 1500 lbs of static strength
- Conventional keeper design promotes even-load distribution in the event of a forced entry
- Reinforced housing reduces twisting on imperfect frames
- Brushed, US32D, stainless steel provides a complementary finish to existing door hardware.

FRAME MOUNTED LOCKING DEVICE

The **Rim exit strike** is designed specifically for rim exit devices. This strike is completely surface mounted, which eliminates the need to cut into the door frame. The Rim Exit strike has a 3-hour fire rating and has been independently tested for over 4 million cycles of operation.



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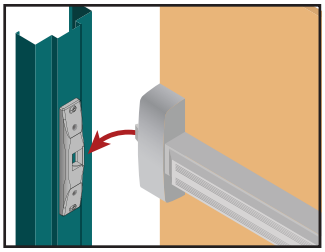
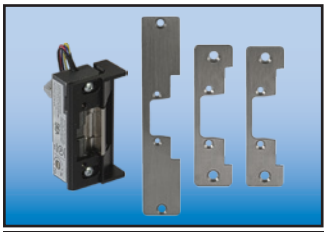
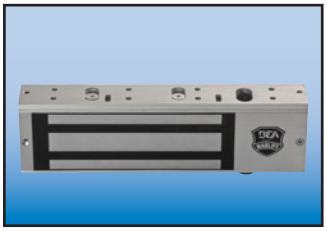


SURFACE MOUNTED TO THE DOOR FRAME

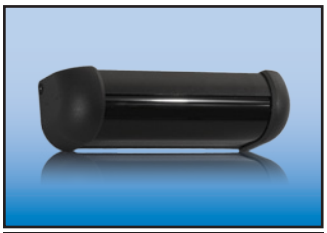


UNIVERSAL CYLINDRICAL ELECTRIC STRIKE



UL LISTED MAGLOCKS

ACCESS CONTROL



REX DETECTOR

APPLICATIONS

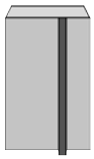
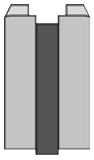
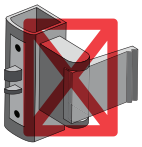
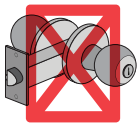
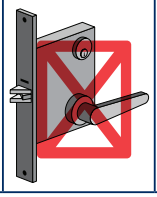
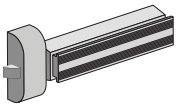
STRIKE FAMILY

PRODUCTS FAMILY

APPLICATIONS

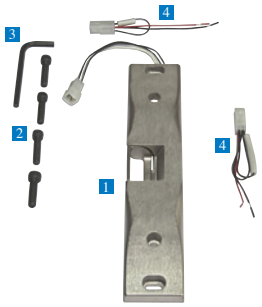
- Healthcare
- Airports
- Retail / Wholesale
- Education
- Government
- Museums / Galleries

DOOR COMPATIBILITY

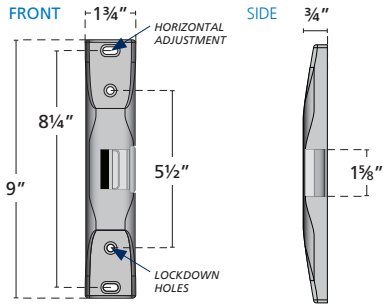
DOOR FRAME TYPE			DOOR LOCK TYPE			
Narrowline Aluminum	Hollow Metal	Wood	Narrowline Aluminum	Cylindrical	Mortise	Rim Exit Device
						

COMPONENTS

1. Electric Strike, x1
2. Mounting Screws, x4
3. Allen Key, x1
4. Modular plug-in wire connectors, x2



PRODUCT SPECS



TECHNICAL SPECIFICATIONS

MODE	VOLTAGE	DUTY	SOUND	AMPS†	OHMS‡
Fail Safe	12 VAC 12 VDC	Intermittent Continuous	Buzz Silent	0.30 0.50	22 22
Fail Safe	24 VAC 24 VDC	Intermittent Continuous	Buzz Silent	0.64 0.24	22 89
Fail Safe	11 VAC 16 VDC	Intermittent Intermittent	Buzz Buzz	0.28 0.50	22 22

Intermittent Duty – Energized less than 1 minute with duty ratio 1:5

Continuous Duty – Energized 1 minute or more

† Amp ratings are based on maximum current draw at +50°F and include initial power-up current

‡ Nominal resistance at +77°F ±7% tolerance

Specifications are subject to change without prior notice.

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ALUMINUM • HOLLOW METAL • WOODEN FRAME APPLICATIONS

IDC-10STRIKE CU

UNIVERSAL CYLINDRICAL STRIKE

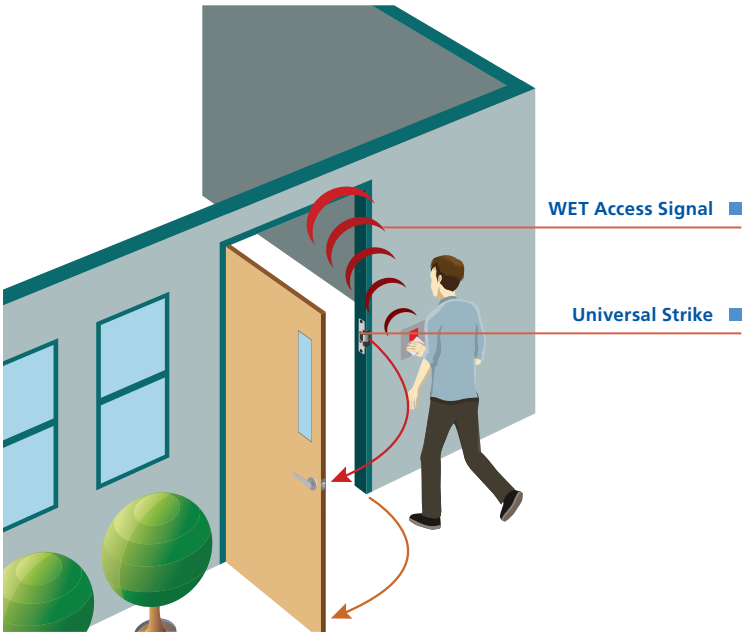
c UL us LISTED

FEATURES

- **IDC-10STRIKE CU**
- UL/ULC listed for up to 1500 lbs of static strength
- Conventional keeper design promotes even-load distribution in the event of a forced entry
- Reinforced housing reduces twisting on imperfect frames
- Brushed, US32D, stainless steel provides a complementary finish to existing door hardware.

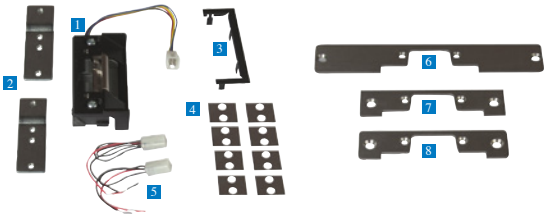
VERSATILE & MODULAR DESIGN

The Universal cylindrical strike provides controlled access and security for egress and ingress applications where code compliance and safety are paramount. This strike has been independently tested for 1 million + cycles of operation.

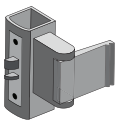
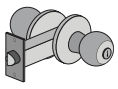
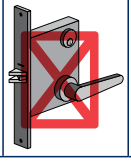
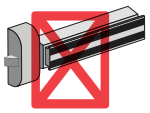


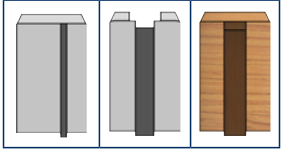
COMPONENTS

1 Electric Strike Body, ×1
2 Mounting Bracket, ×2
3 Frame Adapter, ×1
4 Mounting Shims, ×8
5 Modular Plug-in Wire Connectors, ×2
6 Wood Faceplate, ×1
7 Hollow Metal Faceplate, ×1
8 Aluminum Faceplate, ×1



DOOR COMPATIBILITY

DOOR LOCK TYPE			
Narrowline Aluminum	Cylindrical	Mortise	Rim Exit Device
			

DOOR FRAME TYPE		
Narrowline Aluminum	Hollow Metal	Wood
		

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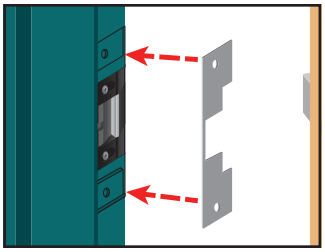
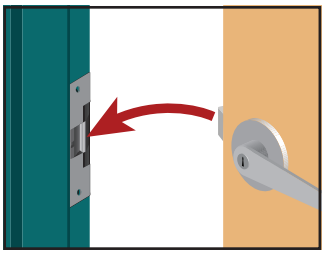


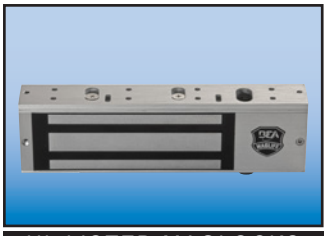


FLUSH MOUNTED WITH THE DOOR FRAME

APPLICATIONS

RIM EXIT ELECTRIC STRIKE

STRIKE FAMILY



UL LISTED MAGLOCKS

ACCESS CONTROL

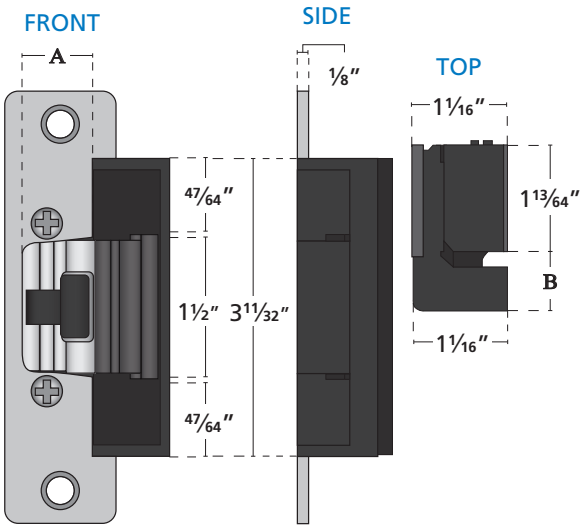
RELATED PRODUCTS

REX DETECTOR

APPLICATIONS

- Healthcare / Assisted Living
- Transportation
- Retail
- Education
- Government
- Multi-Family Housing
- Hospitality
- Institutional

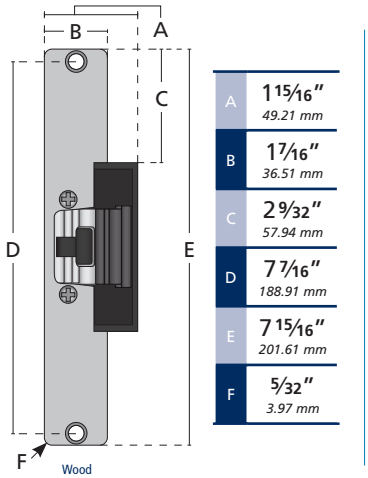
STRIKE DIMENSIONS



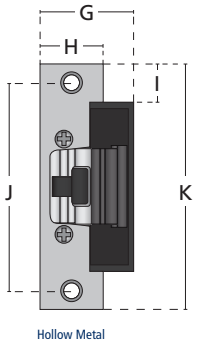
HORIZONTAL ADJUSTMENT

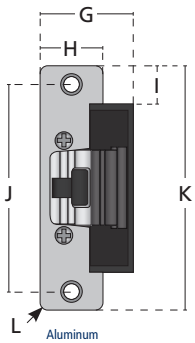
A	Default	Min	Max
Inches	13/16″	45/64″	31/32″
Millimeters	20.64 mm	17.86 mm	24.61 mm
B	**Default**	**Min**	**Max**
Inches	21/32″	1/2″	49/64″
Millimeters	16.67 mm	12.7 mm	19.45 mm

PLATE DIMENSIONS



A	1 15/16″ 49.21 mm
B	1 7/16″ 36.51 mm
C	2 9/32″ 57.94 mm
D	7 7/16″ 188.91 mm
E	7 15/16″ 201.61 mm
F	5/32″ 3.97 mm





G	1 27/32″ 46.83 mm
H	1 1/4″ 31.75 mm
I	49/64″ 19.45 mm
J	4 1/8″ 104.78 mm
K	4 7/8″ 123.83 mm
L	5/32″ 3.97 mm

TECHNICAL SPECIFICATIONS

MODE	VOLTAGE	DUTY	SOUND	AMPS†	OHMS‡
Fail Safe Fail Secure	12 VDC	Continuous	Silent	0.375	37
Fail Safe Fail Secure	24 VDC	Continuous	Silent	0.190	148
Fail Safe Fail Secure	12 – 24 VAC	Intermittent	Buzz	0.280 – 0.565	37

Intermittent Duty – Energized less than 1 minute with duty ratio 1:5

Continuous Duty – Energized 1 minute or more

† Amp ratings are based on maximum current draw at +50°F and include initial power-up current

‡ Nominal resistance at +77°F ±7% tolerance

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STRIKES & RESCUE STOPS

DUST PROOF STRIKE

1870 FOR DOORS WITHOUT THRESHOLDS

1872 FOR DOORS WITH THRESHOLDS

- For use with any ABH flush bolts
- Prevents dirt, dust and debris from floor clogging strikes

1870

1872

COMBO DOUBLE LIPPED STRIKE AND RESCUE STOP

- For 5-3/4" and 6-3/4" frame with 1-3/4" door
- To be used with ABH 0127 or 0128 center hung pivot sets. Ideal for hospital or nursing home bathroom doors. Stop can be rotated into frame to allow center hung or 1/8" inset double acting doors to swing out in case of emergency.
- Available in US32D, US32, US3, US4, US10B.
- .093 thick material
- Meets ANSI A1882
- Custom sizes available
- Holdback option available (CR4550,60,70,80 only) - (handed)

CR4550/60

CR4570/80

FOR CENTER HUNG DOORS

- CR4550/CR4591 5-3/4" x 2-3/4"
- CR4560/CR4592 6-3/4" x 2-3/4"

FOR 1/8" INSET DOOR

- CR4570/CR4594 5-3/4" x 2-3/4"
- CR4580/CR4593 6-3/4" x 2-3/4"

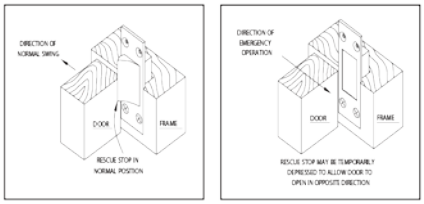
CR4591/92

CR4594/93

4590 RESCUE STOP

FOR CONVERTING A DOUBLE ACTING CENTER HUNG DOOR TO SINGLE ACTING

- Allows door to swing open in opposite direction if a hospital or nursing home patient falls and obstructs the normal swing of the door
- Meets ANSI Spec A1882
- Stainless steel, US32D standard
- Pushing in on the spring loaded stop allows emergency operation of the door. Stop automatically returns to normal position when released



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180/ 280 SERIES

SURFACE MOUNT BOLT LOCKS

Universal Mounting Capability Provides Controlled Access of Doors, Closets and Cabinets.

The IDC universal surface mount electric bolt locks are available in failsafe and failsecure. The addition of a card reader, digital keypad or remote control provides access control and convenience of use for a variety of applications.

Applications

The IDC 180 and 280 series locks provide the ability to electronically secure several door configurations.

- Swinging or sliding doors
- Outswing or inswing doors
- Closet doors
- Pharmaceutical cabinets
- Gun cabinets
- Utility cabinets
- Museum display cases
- Retail display cases

Models

180ALIV	Surface mount, left hand, failsafe, with auto relock
180ARIV	Surface mount, right hand, failsafe, with auto relock
180ALRIV	Top Jamb, left hand reverse, failsafe, with auto relock
180ARRIV	Top Jamb, right hand reverse, failsafe, with auto relock
280LHV	Surface mount, left hand, or top jamb mount right hand reverse, failsecure less auto relock
280RHV	Surface mount, right hand, or top jamb mount, left hand reverse, failsecure less auto relock

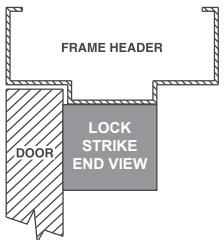
Finish

628 Aluminum *(standard)*
335 Black

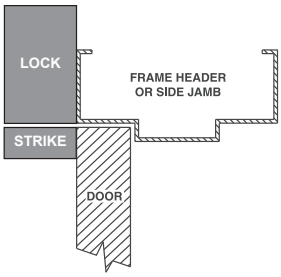
Options

B	Bolt position sensor, SPDT
D	Door position sensor, SPDT
BR64XL	Rectifier for AC Operation

Installation



Surface Mount
Outswing Door



Top Jamb
Inswing or Sliding Door

Specifications

Lock Dimensions	6"L x 2"W x 2"H (152.4 x 50.8 x 50.8mm)
Bolt	Solid Stainless Steel 0.625" dia. x 0.5" throw (15.9 x 12.7mm)
Dual Voltage Coil	0.9 Amp @ 12VDC Continuous 0.45 Amp @ 24VDC Continuous

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1090/ 1290 SPACESAVER®

BOLT LOCKS

The Spacesaver®

Fully concealed and easily installed in 1.75" (4.44cm) frame or door stile

The Spacesaver®, first designed and patented by IDC, is a fundamental innovation in electric locking technology for access control applications.
The stainless steel bolt projects at right angles to the lock mechanism, allowing installation of Spacesaver® locks, by means of a simple cutout, in virtually any standard 1.75" frame, or in most door lock stiles.
With the entire lock concealed, esthetic acceptability is complete, security is greater and installation in old or new construction is fast, easy and economical.

Stainless Steel Bolt

Greater security is provided by the 0.625" (1.6cm) diameter solid stainless steel bolt. The bolt rotates freely, making attempts to tamper or cut extremely difficult.

Specification Grade Solenoid

All Spacesaver® lock solenoids are manufactured by IDC to precision specifications. IDC solenoids are capable of superior overall performance in both force and longevity, providing years of service compared to commercial grade solenoids.

- Auxiliary Locks

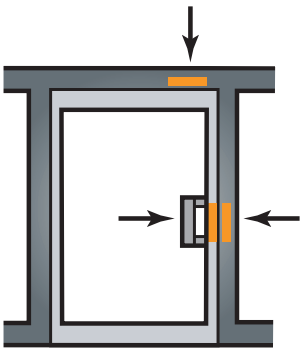
c UL us LISTED

- Complies with "positive pressure" requirements of standard UL10C
- Listed US & Canada

Code Compliant

Classified in accordance with Uniform Building Code standard 7-2, "Fire Test for Door Assemblies"
IDC Spacesaver® locks may be mounted in the frame header, side jamb or door lock stile.

Three Point Installation



Field Adjustable Auto-Relock Switch

The automatic relock switch keeps the bolt retracted while the door is open. The door depresses the ball switch assembly on closure, causing the bolt to project automatically, locking the door. In addition, the ball switch assembly is bidirectional, permitting the locks to be used on swinging and sliding doors.

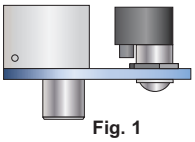


Fig. 1

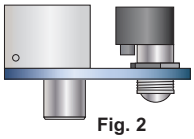


Fig. 2

The auto relock assembly is field adjustable to compensate for wide door gap. (See Figure 1 & 2.)

1091A Failsafe

The 1091A is locked when energized. Recommended for safety applications, it is intended that the door unlock automatically when power is interrupted by the access control, power failure or signal from a fire life safety system.

- Bolt Throw 0.75" (19.05mm)

1091ADL Deadlocking Failsafe
The 1091ADL is equipped with a deadlocking mechanism that prevents the bolt from being tampered with and pried to unlock. The 1091ADL has all the operational features of the 1091A (above) and is recommended for failsafe applications requiring a higher level of security.

- Bolt throw 0.75" (19.05mm)

1291A Failsecure

The 1291A is locked when de-energized and unlocked when energized. Recommended for security applications only, it is intended that the door lock when power is interrupted by a power failure.
- Bolt Throw 0.625" (15.875mm)

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Figure 3A, 3B, 3C, 3D: Typical Frame Header or Side Jamb Installation

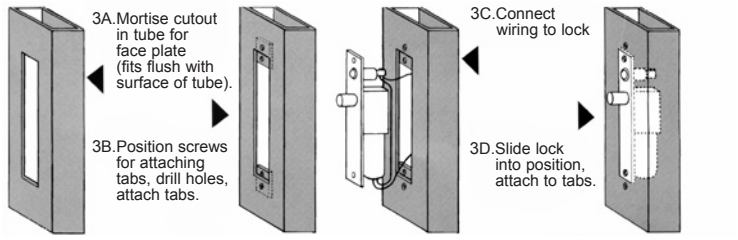
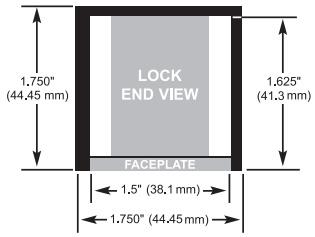


Figure 4: End View



Model

1091AI Failsafe 12/24VDC
1091ADLI Failsafe Deadlocking 12/24VDC
1291AH Failsecure 12/24VDC

Finish

628 Clear Anodized Aluminum (std)
Special finishes:
605 Bright Brass
606 Dull Brass
611 Bright Bronze
612 Dull Bronze
613 Oil Rubbed Bronze
625 Bright Chrome
626 Dull Chrome
630 Satin Stainless Steel
335 Black Anodized

Options

Bolt and Door Status
Door and lock status monitoring sensors are installed and concealed in the lock. The need for additional door and frame preparations is eliminated. Magnetic bolt status sensor is behind the faceplate to inhibit tampering.

Applications include: Remote Door and Lock Status; Mantraps; Air/Clean Rooms; Communicating Bathrooms; Door Hold Open Alarms and CCTV Activation.

B Magnetic Bolt Status Switch
SPDT 0.25 Amp @ 30VDC
Indicates bolt locked and bolt unlocked.

D Mechanical Door Position Switch
SPDT 5 Amps @ 30VDC
Integral to the auto relock ball switch assembly. Indicates, door closed and door open. Recommended for minimum security applications only

AC Operation
BR64XL Rectifier for AC operation

Specifications

Face Plate:
8"L x 1.5"W x 0.125"D
(203.2 x 38.1 x 3.175mm)

Strike:
4"L x 1.5"W x 0.125"D
(101.6 x 38.1 x 3.175mm)

Frame Inner Dimension Requirements:
8"L x 1.5"W x 1.5"D (See figure 4)
(203.2 x 38.1 x 38.1mm)

Bolt Material:
Solid Stainless Steel

Bolt Diameter:
0.625" (15.875mm)

Bolt Throw:
1091A/1091ADL: 0.75" (19.05mm)
1291A: 0.625" (15.875mm)

Mounting Tabs:
Two aluminum mounting tabs are provided for easy lock installation. See figure 3B.

Dual Voltage Coil:
0.45 Amp @ 24VDC Continuous Duty
0.9 Amp @ 12VDC Continuous Duty

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1190/2090 SPACESAVER®

BOLT LOCKS

1190A

2090A

Spacesaver® Extra Heavy Duty

Fully concealed and easily installed in 1.75" (4.44cm) frame or door stile

The Spacesaver®, first designed and patented by IDC, is a fundamental innovation in electric locking technology for access control applications.

The stainless steel bolt projects at right angles to the lock mechanism, allowing installation of Spacesaver® locks, by means of a simple cutout, in virtually any standard 1.75" frame, or in most door lock stiles. With the entire lock concealed, esthetic acceptability is complete, security is greater and installation in old or new construction is fast, easy and economical.

Powerful Extra Heavy Duty Design

The 1190 and 2090 Spacesaver® bolt locks are the most powerful commercial grade units available on the market. They are designed to provide years of trouble free operation. There are only three moving parts within the hefty solid metal body of the 1190A and five in the 2090A.

Powerful Extra Heavy Duty Solenoid

The solenoids are the strongest found in the industry for commercial or industrial grade applications. The power and strength of the solenoids far surpasses any competitive models.

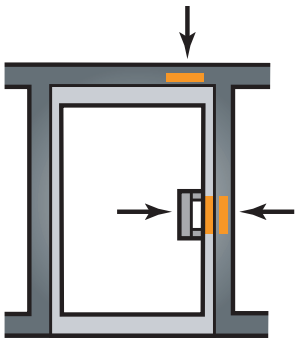
All Spacesaver® lock solenoids are manufactured by IDC to precision specifications. IDC solenoids are capable of superior overall performance in both force and longevity, providing years of service.

Solid Stainless Steel Bolt

Greater security is provided by the 0.75" (19 mm) diameter solid stainless steel bolt. The bolt rotates freely, making attempts to tamper or cut extremely difficult.

Three Point Installation

IDC Spacesaver® locks may be mounted in the frame header, side jamb or door lock stile.



Field Adjustable Auto-Relock Switch

The automatic relock switch keeps the bolt retracted while the door is open. The door depresses the ball switch assembly on closure, causing the bolt to project automatically locking the door.
In addition the ball switch assembly is bi-directional, permitting the locks to be used on swinging and sliding doors.

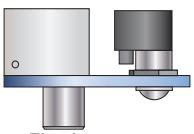


Fig. 1

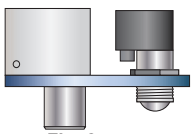


Fig. 2

The auto relock assembly is field adjustable to compensate for wide door gap. (See Figures 1 and 2.)

1190A Failsafe

The 1190A is locked when energized. Recommended for safety applications, it is intended that the door unlock automatically when power is interrupted by the access control, power failure or signal from a fire life safety system.

- Bolt Throw 0.75" (19 mm)

2090A Failsecure

The 2090A is locked when de-energized and unlocked when energized. Recommended for security applications only, it is intended that the door automatically locks when power is interrupted by the access control or power failure.

- Bolt Throw 0.75" (19 mm)
- Auxiliary Locks
- Complies with "positive pressure" requirements of standard UL10C

- Listed US & Canada

c UL US LISTED

Uniform Building Code Compliant

- Classified in accordance with Uniform Building Code standard 7-2,"Fire Test for Door Assemblies"

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Figure 3A, 3B, 3C, 3D: Typical Frame Header or Side Jamb Installation

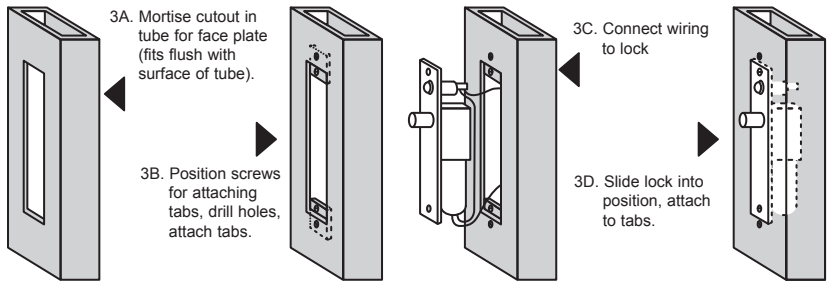
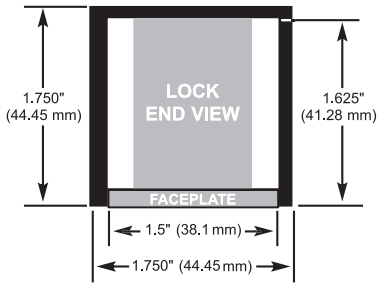


Figure 4



Model

1190AU Failsafe, 24VDC
2090AU Failsecure, 24VDC

630 Stainless Steel finish standard

Options

Bolt and Door Status
Door and lock status monitoring sensors are installed and concealed in the lock. The need for additional door and frame preparations is eliminated. Magnetic bolt status sensor is behind the faceplate to inhibit tampering.

Applications include: Remote Door and Lock Status; Mantraps; Air/Clean Rooms; Communicating Bathrooms; Door Hold Open Alarms and CCTV Activation.

B Magnetic Bolt Status Switch
SPDT 0.25 Amp @ 30VDC
Indicates bolt locked and bolt unlocked.

D Mechanical Door Position Switch
SPDT 5 Amps @ 30VDC
Integral to the auto relock ball switch assembly. Indicates, door closed and door open. Recommended for minimum security applications only

AC Operation
BR64XL Rectifier for AC operation

Specifications

Face Plate: 8"H x 1.5"W x 0.125"D
(203.2 x 38.1 x 3.175mm)

Strike: 4"H x 1.5"W x 0.125"D
(101.6 x 38.1 x 3.175mm)

Frame Inner Dimension Requirements:
1190A: 8"H x 1.5"W x 1.5"D (See figure 4)
(203.2 x 38.1 x 38.1mm)
2090A: 10"H x 1.5"W x 1.5"D
(254 x 38.1 x 38.1mm)

Bolt Material: Solid Stainless Steel

Bolt Diameter: 0.75" (19mm)

Bolt Throw:0.75" (19mm)

Mounting Tabs: Two aluminum mounting tabs are provided for easy lock installation. (See figure 3B.)

1190A: 0.7 Amp @ 24VDC

2090A: Inrush 2.5 Amp,
Continuous 0.5 Amp @ 24VDC

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1490/ 2490 SPACESAVER®

BOLT LOCKS

The Spacesaver®

Extra Narrow

Fully concealed and easily installed in 1.5" (38.1mm) frame or door stile

The Spacesaver®, first designed and patented by IDC, is a fundamental innovation in electric locking technology for access control applications.

The stainless steel bolt projects at right angles to the lock mechanism, allowing installation of Spacesaver® locks, by means of a simple cutout, in virtually any standard 1.5" frame, or in most door lock stiles. With the entire lock concealed, esthetic acceptability is complete, security is greater and installation in old or new construction is fast, easy and economical.

Stainless Steel Bolt

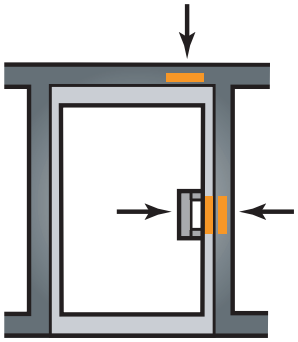
Greater security is provided by the .625" (1.6cm) diameter stainless steel bolt. The bolt rotates freely, making attempts to tamper or cut extremely difficult.

Specification Grade Solenoids

All Spacesaver® lock solenoids are manufactured by IDC to precision specifications. IDC solenoids are capable of superior overall performance in both force and longevity, providing years of service.

Three Point Installation

IDC Spacesaver® locks may be mounted in the frame header, side jamb or door lock stile.



Field Adjustable Auto-Relock Switch

The automatic relock switch keeps the bolt retracted while the door is open. The door depresses the ball switch assembly on closure, causing the bolt to project automatically locking the door. In addition, the ball switch assembly is bi-directional, permitting the locks to be used on swinging and sliding doors.

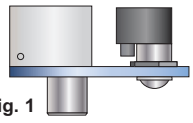


Fig. 1

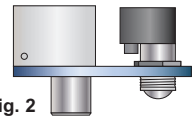


Fig. 2

The auto relock assembly is field adjustable to compensate for wide door gap. (See Figure 1 & 2.)

1490A Failsafe

The 1490A is locked when energized. Recommended for safety applications. It is intended that the door unlock automatically when power is interrupted by the access control, power failure or signal from a fire life safety system.

- Bolt Throw 0.5" (12.7mm)

2490A Failsafe

The 2490A is locked when de-energized and unlocked when energized. Recommended for security applications only, it is intended that the door automatically locks when power is interrupted by the access control or power failure.

- Bolt Throw 0.5" (12.7mm)

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Figure 3A, 3B, 3C, 3D: Typical Frame Header or Side Jamb Installation

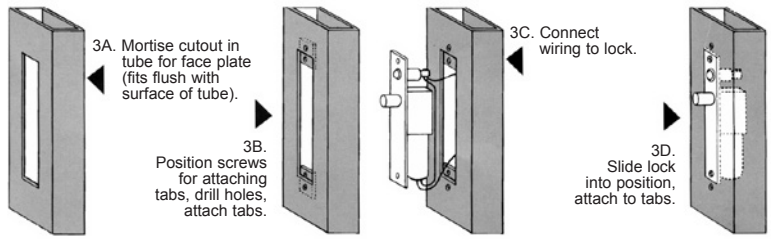
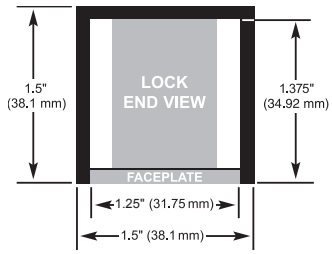


Figure 4: End View



Model

1490AI Failsafe, 12/24VDC
2490AH Failsecure, 12/24VDC

Finish

628 Clear Anodized Aluminum (std)

Special finishes:

605 Bright Brass
606 Dull Brass
611 Bright Bronze
612 Dull Bronze
613 Oil Rubbed Bronze
625 Bright Chrome
626 Dull Chrome
630 Satin Stainless Steel
335 Black Anodized

Options

Bolt and Door Status
Door and lock status monitoring sensors are installed and concealed in the lock. The need for additional door and frame preparations is eliminated. Magnetic bolt status sensor is behind the faceplate to inhibit tampering.

Applications include: Remote Door and Lock Status; Mantraps; Air/Clean Rooms; Communicating Bathrooms; Door Hold Open Alarms and CCTV Activation.

B Magnetic Bolt Status Switch
SPDT 0.25 Amp @ 30VDC
Indicates bolt locked and bolt unlocked.

D Mechanical Door Position Switch
SPDT 5 Amps @ 30VDC
Integral to the auto relock ball switch assembly. Indicates, door closed and door open. Recommended for minimum security applications only

AC Operation
BR64XL Rectifier for AC operation

Specifications

Face Plate: 8"L x 1.25"W x 0.125"D (203.2 x 31.75 x 3.175mm)

Strike: 4"L x 1.5"W x 0.125"D (101.6 x 38.1 x 3.175mm)

Frame Inner Dimension Requirements: 8"L x 1.25"W x 1.375"D *(See figure 4)* (203.2 x 31.75 x 31.75mm)

Bolt Material: Stainless Steel

Bolt Diameter: 0.625" (15.875mm)

Bolt Throw: 0.5" (12.7mm)

Mounting Tabs: Two aluminum mounting tabs are provided for easy lock installation. *See figure 3B.*

1490 Failsafe
0.45 Amp @ 24VDC Continuous Duty
0.9 Amp @ 12VDC Continuous Duty

2490 Failsecure
0.45 Amp @ 24VDC Continuous Duty
0.9 Amp @ 12VDC Continuous Duty

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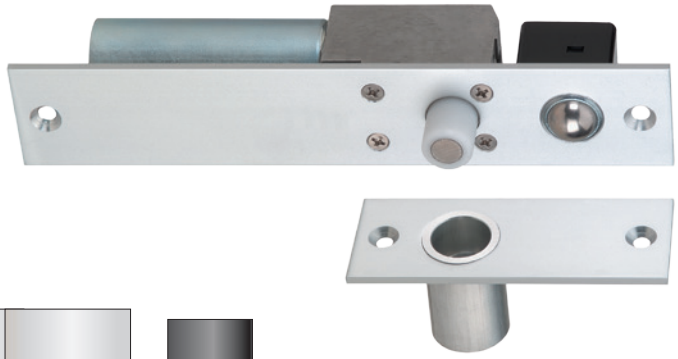
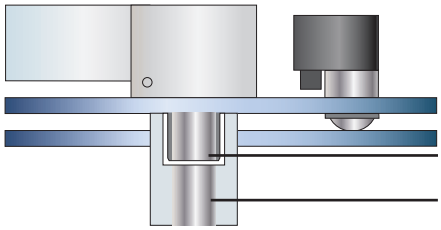
FS23M Dual Failsafe Spacesaver®

BOLT LOCK





Dual Failsafe Spacesaver®

CSFM Listed for locking of perimeter entry and emergency exit doors after business hours

Tested to 1 Million Cycles

Fully concealed and easily installed in 1.75" (4.44cm) frame or door stile

Dual Failsafe

The FS23M dual failsafe feature is available only from IDC. Conventional failsafe locking bolts rely solely on a spring to retract the bolt while the FS23M bolt will unlock with or without the assistance of the spring. This is the only electric bolt lock listed by the California State Fire Marshal for locking of perimeter entrance and emergency exit doors after-hours.

Large repelling magnets are located within the bolt and strike. When power is interrupted the bolt is retracted and held back by a spring. Should the spring fail, repelling magnets eject the bolt from the strike, unlocking the door.

CSFM Bi-Annual Testing

The IDC FS23M has been thoroughly tested by Underwriters Laboratories and cycled for 1 million operations. In addition, an unannounced follow-up inspection is conducted bi-annually by a California State Fire Marshal approved independent test laboratory. Locks are selected by the inspector at random from stock. They are then tested for operation without the assistance of the spring.

Bolt Design

The bolt is made of a lightweight and extremely resilient nylon material. While lack of weight enables the magnet to eject the bolt, an inherent feature is powerful and smooth operation. The longevity of this lock is unsurpassed compared to electromechanical locks with steel bolts with abrasive metal to metal interaction. Additional bolt features include:

- *2500lbs bolt strength*
- *Hardened Margnet Core, Resistant to metal cutting saws*

All Spacesaver® lock solenoids are manufactured by IDC to precision specifications. IDC solenoids are capable for superior overall performance in both force and longevity, providing years of service compared to other manufacturers off-the-shelf or commercial grade designs

Specifications Grade Solenoids

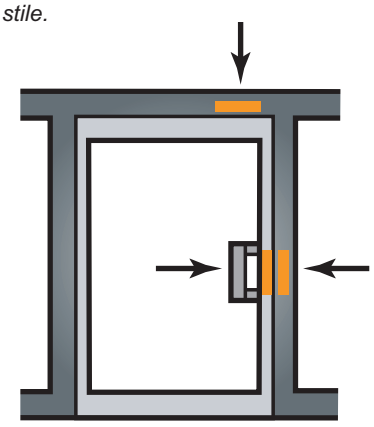
The IDC designed and patented FS23M is locked when energized. Recommended for safety applications, the door unlocks automatically when power is interrupted by the access control, power failure or a signal from the fire life safety system.

Application

While designed for perimeter applications the performance characteristics of the FS23M make it the first choice for all interior or exterior openings where the use of an electric bolt lock is applicable.

Three Point Installation

IDC Spacesaver locks may be mounted in the frame header, side jamb or door lock stile.



CSFM
3774-0324:001

c UL us LISTED
GWXT.R11695
GWXT7.R11695
Auxiliary Locks

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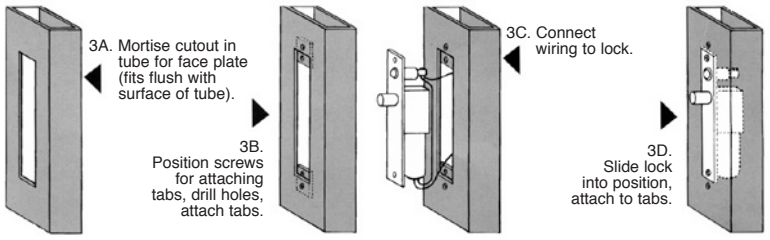
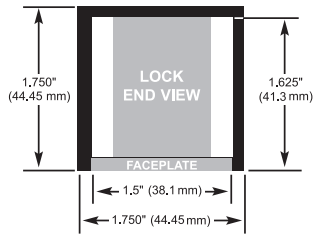
Figure 3A, 3B, 3C, 3D: Typical Frame Header or Side Jamb Installation





Model

FS23MI *Dual Failsafe 12/24VDC*

Finish

628 Clear Anodized Aluminum (std)

Special finishes:

335 Black Anodized
605 Bright Brass
606 Dull Brass
611 Bright Bronze
612 Dull Bronze
613 Oil Rubbed Bronze
625 Bright Chrome
626 Dull Chrome
629 Satin Stainless Steel

Options

Bolt and Door Status

Door and lock status monitoring sensors are installed and concealed in the lock. The need for additional door and frame preparations is eliminated. Magnetic status sensors are behind the faceplate to inhibit tampering. The DPS mechanical status switch is recommended for minimum security applications only.

Applications include: Remote Door and Lock Status; Mantraps; Air/Clean Rooms; Communicating Bathrooms; Door Hold Open Alarms and CCTV Activation.

B *Magnetic Bolt Status Switch*
SPDT 0.25 Amp @ 30VDC
Indicates bolt locked and bolt unlocked.

D *Mechanical Door Position Switch*
SPDT 5 Amps @ 30VDC
Integral to the auto relock ball switch assembly. Indicates, door closed and door open. Recommended for minimum security applications only

AC Operation

BR64XL *Rectifier for AC operation*

Field Adjustable Auto-Relock Switch

The automatic relock switch keeps the bolt retracted while the door is open. The door depresses the ball switch assembly on closure, causing the bolt to project automatically, locking the door. In addition, the ball switch assembly is bidirectional, permitting the locks to be used on single swing and sliding doors.

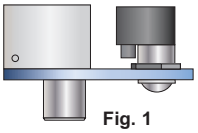


Fig. 1

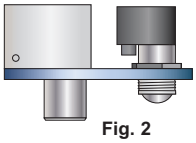


Fig. 2

The auto relock assembly is field adjustable to compensate for wide door gap.
(See Figure 1&2.)

Specifications

Face Plate:
8"L x 1.5"W x 0.125"D
(203.2 x 38.1 x 3.175mm)

Strike:
4"L x 1.5"W x 0.755"D
(101.6 x 38.1 x 44.5mm)

Frame Inner Dimension Requirements:
8"L x 1.5"W x 1.625"D (See figure 4)
(203.2 x 38.1 x 41.3mm)

Bolt Material:
Nylon with center magnet

Bolt Diameter: *0.0625" (15.875mm)*

Bolt Throw: *0.5" (12.7mm)*

Mounting Tabs:
Two aluminum mounting tabs are provided for easy lock installation.
See figure 3B.

Dual Voltage Coil:
0.45 Amp @ 24VDC Continuous Duty
0.9 Amp @ 12VDC Continuous Duty

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290 MICRO

CABINET LOCK

Applications

The 290 Micro Cabinet Lock is designed to electronically secure cabinets and drawers. The need for keys is eliminated and the addition of a keypad or remote control of your choice provides true access control and convenience of use.

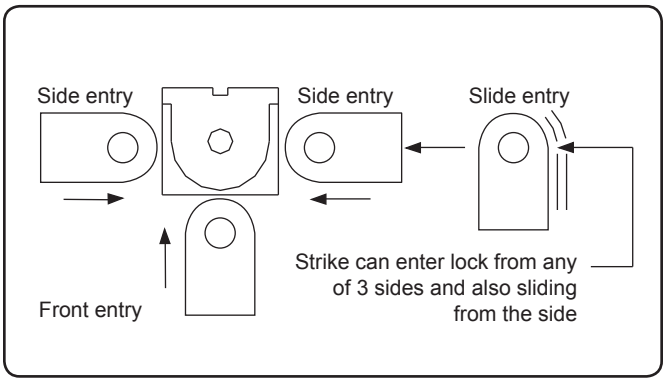
- Pharmaceutical cabinets and drawers
- Retail display cases and drawers
- Gun cabinets
- File cabinets
- Utility cabinets and drawers
- Museum display cases

Features

- For swinging or sliding doors
- Failsecure continuous duty
- Field reversible solenoid for failsafe operation
- Dual 12/24VDC
- Nonhanded
- 600lbs of holding force

Models

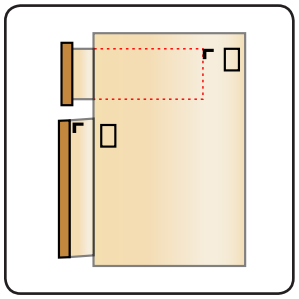
290	Micro cabinet lock
290LS	Micro cabinet lock with lock status switch



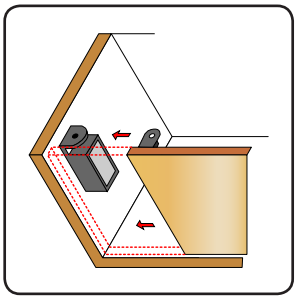
Specifications

Dual Voltage	250-130mA @ 12/24VDC
Dimensions	3.25"L x 1.125"W x 1.125D" (82.5 x 28.5 x 28.5mm)

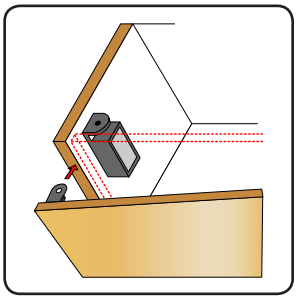
Drawer



Sliding Door



Swinging Door



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ACTIVE INFRARED & MICROWAVE

X-ZONE T

DOOR SENSOR

Combined Active Infrared and Microwave Door Sensor

MONITORING CAPABILITY

X-Zone T has built-in monitoring capability. The X-Zone T monitors all its critical functions and notifies compatible controls when an error occurs. Self Monitoring capability ensures a higher level of performance over the life of the sensor.

Complies with new ANSI standard

BLUE ZONE

When the presence area detects a person or object, the sensor will activate the door and enable the "BLUE ZONE"; the area through the threshold. As long as the sensor remains in detection, the sensor will keep the door in the open position. Once the detection area is cleared , the "BLUE ZONE" will ignore the door panels and allow the door to safely close.

Optional cover line up

Mirror

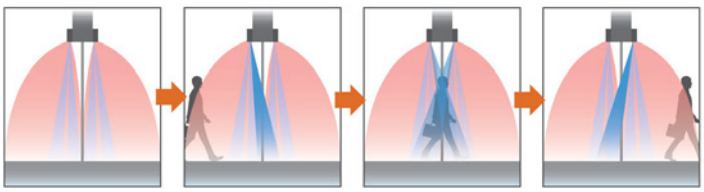
Silver

White

BLACK

DIRECTIONAL DETECTION

The X-Zone T can be adjusted to ignore traffic moving away from the sensor and reset more quickly. This will allow the door to close more quickly which reduces airflow between environmentally-controlled areas and the outdoors. This feature will save your customer money over the life of the sensor. Reduce power consumption and protect the environment with the X-Zone T from OPTEX.



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ACTIVE INFRARED & MICROWAVE

X-ZONE T

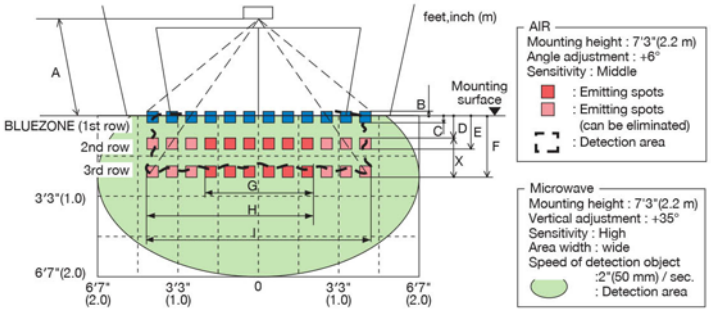
DOOR SENSOR

Combined Active Infrared and Microwave Door Sensor

Mirror | Silver | WHITE | BLACK

Complies with new ANSI standard

DETECTION AREA

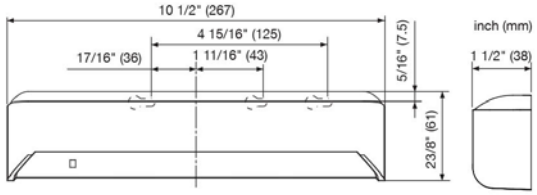


AIR emitting area

The chert shows the values at depth angle +6° [feet, inch (m)]

A	6'7"(2.00)	7' 3" (2.20)	8' 2" (2.50)	8'10" (2.70)	9'10" (3.00)	11 '6" (3.50)
B	2" (0.05)	2" (0.06)	3" (0.07)	3" (0.07)	3" (0.08)	4" (0.09)
C	3" (0.07)	3" (0.08)	4" (0.09)	4" (0.10)	4" (0.11)	5" (0.12)
D	9" (0.23)	10" (0.25)	11" (0.28)	1' (0.31)	1'1" (0.34)	1'3" (0.39)
E	1'2" (0.35)	1'3" (0.39)	1'5" (0.44)	1'7" (0.48)	1'9" (0.53)	2' (0.61)
F	1'11" (0.59)	2'2" (0.65)	2'5" (0.74)	2'7" (0.80)	2'11" (0.89)	3'5" (1.03)
G	3'12" (1.21)	4'4" (1.33)	4'11" (1.51)	5'4" (1.63)	5'11" (1.81)	6'11" (2.11)
H	6' 1" (1.86)	6'9" (2.05)	7'7" (2.32)	8'3" (2.51)	9'2" (2.79)	10'8" (3.25)
I	8' 3" (2.52)	9'1" (2.78)	10'4" (3.15)	11'2" (3.40)	12'5" (3.79)	14'6" (4.42)

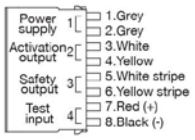
DIMENSIONS



SPECIFICATION

Model	X-ZONE T
Cover color	(Default) Black / (Option) Mirror / Silver / White
Mounting height	6'7" to 11'6" (2.0 to 3.5m)
Detection area	See DETECTION AREA
Detection method	Active infrared reflection Microwave doppler effect (*1)
Area angle adjustment	AIR area -6 to +6" Microwave area +25 to +45°
Power supply (*2)	12 to 24 VAC ±10% (50 / 60 Hz) 12 to 30 VDC ±10%
Power consumption	< 2.5 W (< 4 VA at AC)
Output hold time	< 0.5 sec.
Response time	< 0.3 sec.
Operating temperature	-31 to 131°F (-35 to +55°C)
Operating humidity	<80%
Activation output	Form A relay 50 V 0.3 A Max. (Resistance load)
Test input	Opto coupler Voltage 5 to 30 VDC Current 6 mA Max. (30 VDC)
Safety output	Form A relay 50 V 0.3 A Max. (Resistance load)
IP rate	IP54
Weight	9.5 oz (270 g)
Accessories	1 Operation manual, 2 Mounting screws, 1 Mounting template 1 Area adjustment tool, 1 Cable 9'10" (3m)
*1: Active infrared reflection has a presence detection function. The specifications herein are subject to change without prior notice due to improvements.	

ACTIVATION / SAFETY TEST OUTPUT



1	12 to 24 VAC±10% / 12 to 30 VDC±10%
2	Form A relay 50 V 0.3 A Max.
3	Form A relay 50 V 0.3 A Max.
4	Opto coupler / Voltage : 5 to 30 VDC

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ACTIVE INFRARED DOOR SENSOR

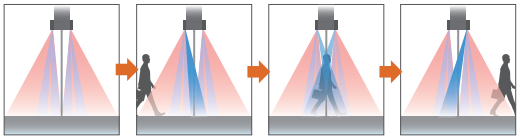
OA-FLEX T

FOR SLIDE AND SWING DOORS

Flexibility for More Safety and More Reliability

BLACK

Adapted in Cold District
-31°F to 131°F

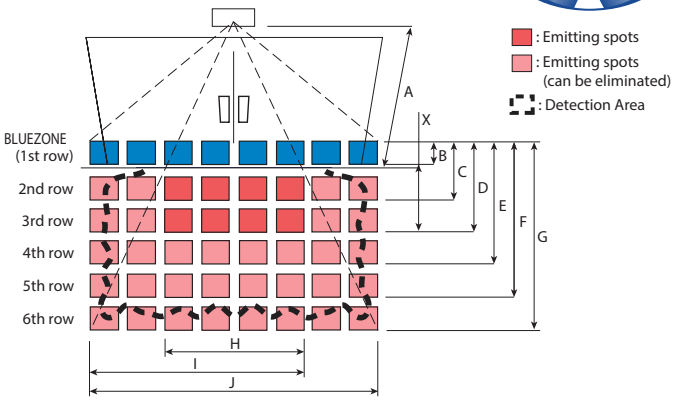


MONITORING CAPABILITY

OA-FLEX T has built-in "monitoring capability". The OA-FLEX T monitors all its critical functions and noties compatible controls when an error occurs. Self monitoring capability ensures a higher level of performance over the life of the sensor.

BLUE ZONE

How it Works: When the approach area detects a person or object, the sensor will activate the door and turn on the "BLUEZONE" which detects through the threshold. As long as someone is in the detection area, the sensor will keep the door in the open position. Once the area is cleared,the "BLUEZONE" will ignore the door panels and allow the door to safely close.



Whole presence detection capability OA-FLEX T can use detection area as presence detection area and possible to utilize for various applications.

Emitting area [m (feet,inch)]

A	2.00 (6'7")	2.30 (7'7")	2.50 (8'2")	3.00 (9'10")
B	0.13 (5")	0.16 (6")	0.17 (7")	0.21 (8")
C	0.38 (1'3")	0.46 (1 '6")	0.50 (1 '8")	0.60 (1 '12")
D	0.71 (2'4")	0.86 (2 '10")	0.94 (3 '1")	1.13 (3 '8")
E	0.84 (2'9")	1.01 (3 '4")	1.09 (3 '7")	1.31 (4 '4")
F	1.34 (4'5")	1.62 (5 '4")	1.76 (5 '9")	2.11 (6 '11")
G	1.75 (5'9")	2.11 (6 '11")	2.29 (7 '6")	2.75 (9 ')
H	0.92 (3')	1.11 (3 '8")	1.20 (3 '11")	1.45 (4 '9")
I	1.49 (4'11")	1.80 (5 '11")	1.95 (6 '5")	2.34 (7 '8")
J	2.06 (6'9")	2.48 (8 '2")	2.69 (8 '10")	3.23 (10 '7")

Charts show the values in the following area angle adjustment settings ; Depth : 0° Width : 0°

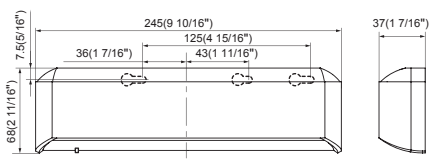
SPECIFICATIONS

Model	OA-FLEX T
Cover color	Black
Mounting height	2.0 m (6'7") to 2.5 m (8'2")
Detection area	See DETECTION AREA
Detection method	Active infrared reflection(*1)
Area angle adjustment	Depth : -8° to +8° Width : ±7° (2 clicks with 3.5°every click-Left/Right)
Power supply (*2)	12 to 24 VAC ±10% (50 / 60 Hz) 12 to 30 VDC ±10%
Power consumption	< 2.0 W (< 5 VA at AC)
Operation indicator	See Operation indicator table
Operating humidity	< 80%

Test intput	Opto coupler Voltage / 5 to 30 VDC Current / 6 mA Max. (30 VDC)
Activation output	Form A relay 50 V 0.3 A Max. (Resistance load)
Safety output	Form A relay 50 V 0.3 A Max. (Resistance load)
Operating temperature	-35 to +55°C (-31 to 131°F)
Noise level	< 70 dBA
Output hold time	Approx. 0.5 sec.
Response time	< 0.3 sec.
IP rate	IP54
Weight	220 g (7.8 oz)

Accessories	1 Operation manual 2 Mounting screws 1 Mounting template 1 Area adjustment tool 1 Cable 3 m(9'10") (8 × 0.22 mm AWG24) (*3)

1. BLUEZONE (1st row), 2nd and 3rd rows have a presence detection function.
2. When using this sensor, the sensor has to be connected to a door system which has the SELV circuit.
3. Overcurrent protection with less than 2A.



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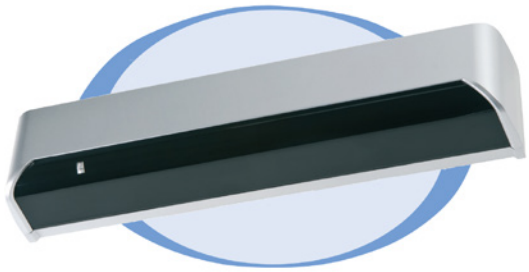
ACTIVE INFRARED DOOR SENSOR

OA-AXIS SERIES

THRESHOLD SAFETY AND ACTIVATION

BLACK SILVER



The OPTEX OA-Axis series is the new active infrared door sensor standard for use on automatic sliding doors. The OA-Axis series is developed as a combination sensor for threshold safety and activation.

COMBINATION

The OPTEX OA-Axis series utilizes OPTEX's unique active infrared technology, combining activation and safety into one sensor. By using the unique OPTEX presence detection technique the OA-Axis series provides maximum safety around the threshold as well as a large motion detection area for door activation.

EASY ADJUSTMENT

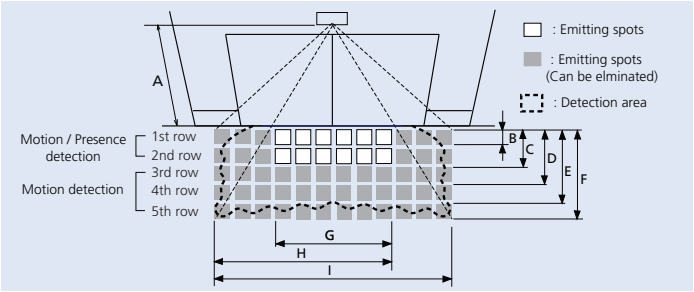
Installation time can be reduced to a minimum by using easily set switches and adjustments. The sensor can be quickly adjusted for many different applications.

SAFETY

The active infrared presence detection of the OA-Axis series can be set very accurately and can be moved 6° towards or away from the door. The sensor detects a person or object and holds the door open as long as they are in or near the threshold area, even if they are motionless.

MOTION DETECTION

The large detection area provides fast detection for any humans or carts approaching from any angle. The sensor's enhanced pattern depth enables it to detect people and objects farther away and allows the door to open conveniently for them. The presence and motion detection areas can be adjusted independently.



Mounting Height A	7′ 2″	8′ 2″	8′ 10″	9′ 10″
Area Depth B	5 1/2″	6″	7″	8″
Area Depth C	1′ 5″	1′ 7″	1′ 8″	1′ 11″
Area Depth D	2′ 8″	3′ 1″	3′ 3″	3′ 7″
Area Depth E	4′ 5″	5′ 1″	5′ 5″	6′ 1″
Area Depth F	6′ 3″	7′ 1″	7′ 8″	8′ 6″
Area Depth G	4′ 4″	4′ 11″	5′ 4″	5′ 11″
Area Depth H	6′ 9″	7′ 7″	8′ 3″	9′ 2″
Area Depth I	9′ 2″	10′ 4″	11′ 2″	12′ 5″

The actual detection may differ according to the size/material/entry speed of the object and the installation environment.

VARIETY

By offering different types of output contacts the OA-Axis series meets the requirements and local standards in many different markets.

OA-Axis I: relay output for activation and safety.
OA-Axis II: one relay for safety and a second relay for motion/activation.

SPECIFICATIONS

Model	OA-Axis I /OA-Axis II
Mounting height	Up to 11′ 6″ (I/II)
Detection angle adjustments	1st - 3rd rows -6° / +6° 4th and 5th rows +26° / +44°
Detection method	Active infrared reflection
Power supply	12-24V AC±10% (50/60Hz) 12-30V DC±10%
Power consumption	OA-Axis I: <3VA OA-Axis II: <4VA
LED Operating indicator	See installation manuals
Voltage	5 to 50VDC, Current / 100 mA max.
Dark current	600 nA max.
Output (OA-Axis I)	Form C relay, 50V, 0.3A max.
Output (OA-Axis II)	1st-3rd row Form C relay 50V 0.3A max. (resistance load) 3rd-5th row Form C relay 50V 0.3A max. (resistance load)
Output hold time	Approx. 0.5s
Response time	<0.3s
Operating temperature	-4°F - +131°F
Weight	320g
Accessories	3′ connection cable 2 mounting screws 1 mounting template 1 area adjustment tool
Available colors	Black and silver

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ACTIVE INFRARED DOOR SENSOR

i-oneX T

EXTRA-WIDE DETECTION AREA

Complies with new ANSI standard

BLACK

MONITORING CAPABILITY

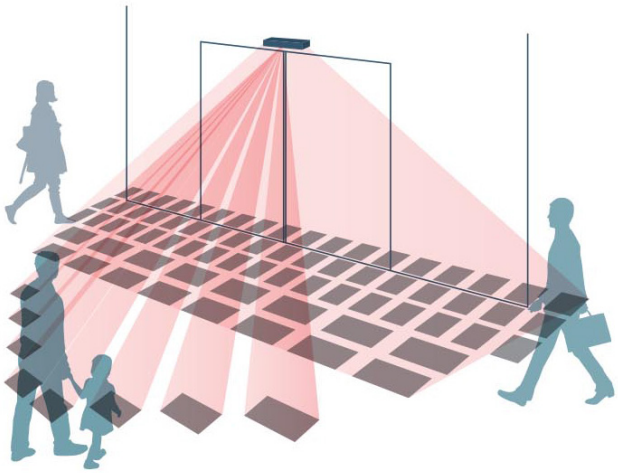
i-oneX T has built-in "monitoring capability". The i-oneX T monitors all its critical functions and notifies compatible controls when an error occurs. Self monitoring capability the life of the sensor.

BUILT IN SUPPLEMENTAL SIDELIGHT SAFETY

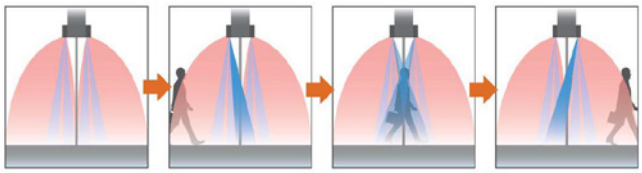
The i-oneX T has a wide and deep detection area that can cover not only the threshold area, but the sidelight area as well. The i-oneX T provides supplemental sidelight safety all from a single sensor. Provide your customers with the highest level of safety and functionality with the i-oneX T.

BLUE ZONE

When the presence area detects a person or object, the sensor will activate the door and enable the "BLUE ZONE"; the area through the threshold. As long as the sensor remains in detection, the sensor will keep the door in the open position. Once the detection area is cleared, the "BLUE ZONE" will ignore the door panels and allow the door to safely close.



The extra-wide detection area covers the door opening plus sidelights, providing fast detection for traffic approaching from any angle.



SPECIFICATIONS

Model	OA-FLEX T
Cover color	Black
Mounting height	67" to 9'10" (2.0m to 3.0m)
Detection area	See DETECTION AREA
Detection method	Active infrared reflection
Depth angle adjustment	Approach area -15° to +10° Presence/Motion area -10° to +8°
Power supply (*2)	12 to 24 VAC ±10% (50 / 60 Hz) 12 to 30 VDC ±10%
Power consumption	< 2.5 W (< 4 VA at AC)
Activation output	Form A relay 50 V 0.3 A Max.(Resistance load)
Safety output	Form A relay 50 V 0.3 A Max.(Resistance load)
Test input	Opto coupler Voltage 5 to 30 VDC
Output hold time	0.5 to 1.5 sec.
Response time	< 0.3 sec.
Operating temperature	C-31 °F to 131CF(-35°C to +55°C)
Operating humidity	< 80%
IP rate	IP54
Wpinht	14.6 oz (420 g)
Accessories	1 Operation manual2 Mounting screws1 Mounting template 1 Area adjustment tool 1 Cable 9'10" (3 m)

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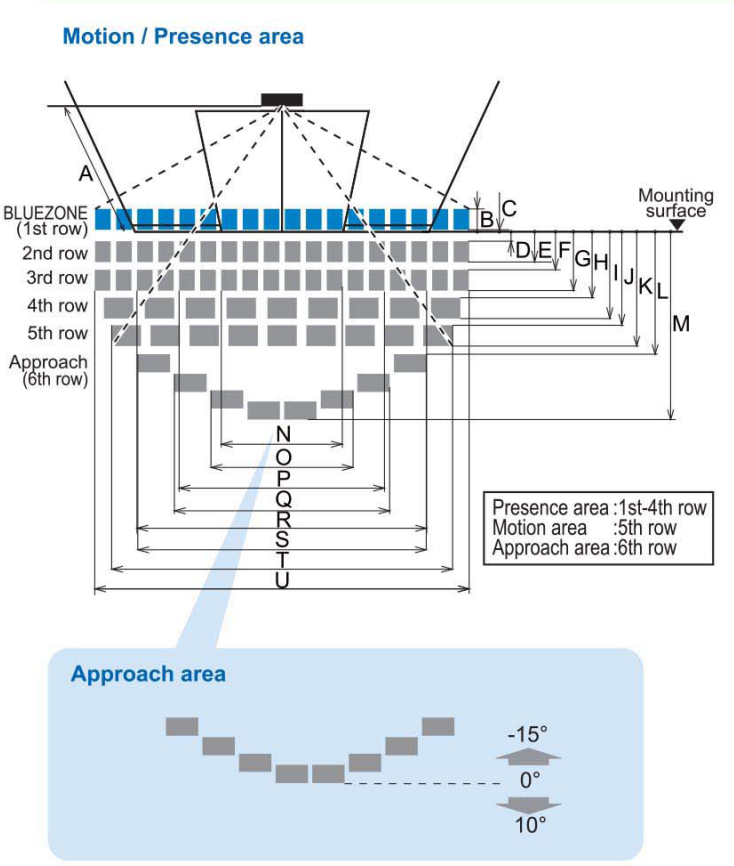
ACTIVE INFRARED DOOR SENSOR

i-oneX T

EXTRA-WIDE DETECTION AREA

Complies with new ANSI standard

i-oneX T DETECTION AREA



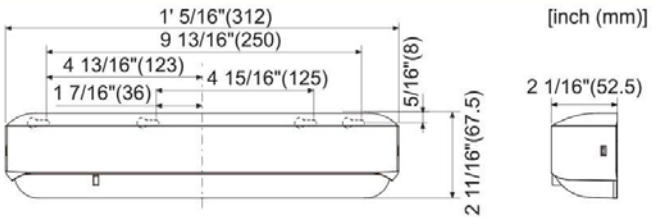
[feet, inch (m)]

A	7'3" (2.20)	8'2" (2.50)	9'10" (3.00)
B	9" (0.22)	10" (0.25)	1' (0.31)
C	6" (0.16)	7" (0.18)	8" (0.21)
D	2" (0.06)	3" (0.07)	3" (0.08)
E	7" (0.17)	8" (0.20)	9" (0.24)
F	1'7" (0.49)	1'10" (0.55)	2'2" (0.65)
G	1'8" (0.50)	1'11" (0.58)	2'4" (0.70)
H	2'8" (0.82)	3'1" (0.93)	3'8" (1.11)
I	2'10" (0.86)	3'3" (0.99)	3'11" (1.19)
J	3'5" (1.04)	3'10" (1.18)	4'8" (1.41)
K	3'7" (1.09)	4'1" (1.24)	4'11" (1.49)
L	4'9" (1.45)	5'5" (1.65)	6'6" (1.98)
M	8'1" (2.46)	9'2" (2.79)	11' (3.35)
N	4'6" (1.38)	5'2" (1.57)	6'2" (1.89)
O	7'1" (2.15)	8' (2.45)	9'8" (2.95)
P	8'4" (2.53)	9'5" (2.88)	11'4" (3.45)
Q	10'6" (3.20)	12' (3.65)	14'4" (4.38)
S	14' (4.27)	15'11" (4.86)	19'2" (5.84)
T	13'5" (4.10)	15'4" (4.67)	18'4" (5.60)
U	16'9" (5.10)	19' (5.79)	22'10" (6.95)

Approach area
*Mounting Height = 7'3"(2.2m) [feet, inch (m)]

	-15°	0°	+10°
L	2'2" (0.67)	4'9" (1.45)	6'9" (2.06)
M	5'1" (1.54)	8'1" (2.46)	12' (3.65)
O	5'7" (1.69)	7'1" (2.15)	8'2" (2.50)
Q	8'3" (2.52)	10'6" (3.20)	11'8" (3.56)
S	12' (3.66)	14' (4.27)	15'7" (4.76)

DIMENSIONS



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HEADER MOUNTED ACTIVE INFRARED DOOR SENSOR

PREMIER T

PRO-SWING DOOR

Complies with new ANSI standard

Sensor head : OA-613 T
Controller: OC-913C T

BLACK

- **Fully open or fully closed swing area detection**
- **Universal compatibility with all operators**
- **Threshold protection "look through capability"**

PATTERN MEMORY

Four pattern memory (two fully open and two fully closed) eliminates or reduces unwanted safety/relearn issues common to knowing act double swing doors, when used manually (most commonly in hospital corridors).

UNIVERSAL COMPATIBILITY

Premier T can interface with the majority of existing controls by analyzing data output and motor voltage.

MONITORING CAPABILITY

PREMIER T has built-in "monitoring capability". PREMIER T monitors all its critical functions and notifies compatible controls when an error occurs. Self monitoring capability ensures a higher level of performance over the life of the sensor.

The OPTEX Premier T is designed to detect moving or stationary people within the swing path of the door. The Premier T is active when the door is fully open or fully closed.

Detection Area

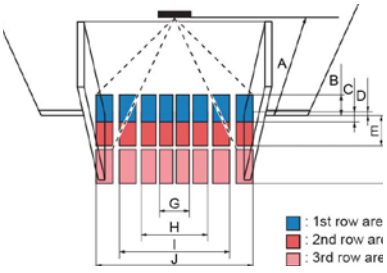


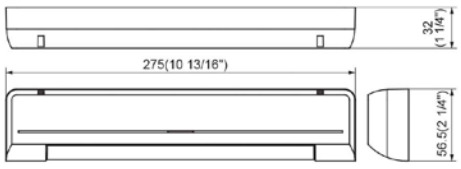
Chart shows figures if all angles are set at 0 degree.
[feet, inch (mm)]

A	67" (2000)	73" (2200)	8'2" (2500)
B	1'2" (364)	1 '4" (400)	1'6"(455)
C	7" (182)	8" (200)	9" (227)
D	1' (23)	1' (25)	1' (28)
E	2'2" (664)	2'5" (730)	2'9' (830)
F	4'7" (1391)	5'1" (1530)	5'9" (1739)
G	2'3" (682)	2'6" (750)	2'10" (852)
H	4'4" (1318)	4'9" (1450)	5'5" (1648)
I	6'9" (2045)	7'5" (2250)	8'5" (2557)
J	9'5" (2864)	10'4" (3150)	11'9" (3580)

* : Two type of outputs (Activate output, Safety output)
** : All row are presence detection type.

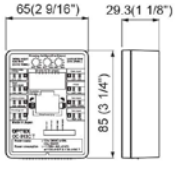
Sensor head: OA-613 T

[mm (feet, inch)]



Controller: OC-913C T

[mm (feet, inch)]



SPECIFICATIONS

Model (System name)	PREMIER T
Power supply	12 to 24 VAC ±10% (50 / 60 Hz) 12 to 30 VDC
Power consumption	<27 W(<4 VAat AC) at 1 OA-613T&1 OC-913CT
Output *	CMOS. Relay voltage / 5 VDC
Test input	Opto coupler Voltage 5 to 30 VDC Current 6 mA Max. (30 VDC)
Output hold time	0.5 sec. fixed (Activate output) 0.5 sec. to 10 sec. (Safety output)
Response time	< 0.3 sec.
Operating temperature	-4 to 131°F (-20 to +55°C) without dew condensation
Operating humidity	<80%
Accessories	1 Spec manual 1 Installation manual 2 Mounting screws 1 Mounting templates for OA-613 T 1 Communication cable 3'3" (1 m) 1 Wiring cable 2' (0.6 m) 1 Velcro tape 2 Wiring shells

Model (Sensor head)	OA-613 T
Cover color	Black
Mounting height	67" (2.0 m) to 8'2" (2.5 m)
Detection area	See DETECTION AREA
Detection method **	Active infrared reflection
Depth angle adjustment	1st row area ±5° 2nd & 3rd row area ±5°
IP rate	IP44
Weight	8.1 oz (230 g)

Model (Controller)	OC-913CT
Weight	2.3 oz (65 g)

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DOOR MOUNTED PRESENCE SENSOR

OA-EDGE SERIES

FOR SWING DOORS

MASTER AND SLAVE MODULES

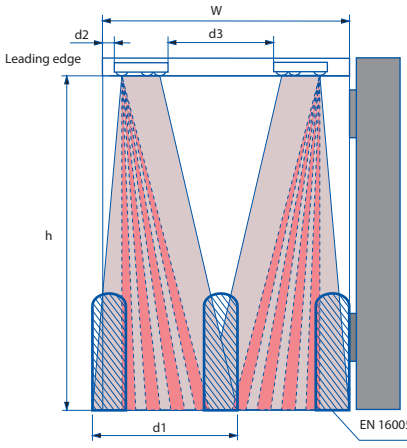
The sensor can be assembled using master and slave modules according to the required safety level and the width of the swing door. For a standard conguration of 2 sensors installed on door with a width of 900 cm only one master module is required, a maximum of 3 slave modules can be connected to this master module.

BLACK SILVER

TÜV NORD CERT GmbH Type Tested

DETECTION AREA

Detection area at 2200mm (7' 2 5/8") : Depth 140 (5 1/2") x Width 870 (2'10")
Test conditions required by EN 16005 Detection object : EN 16005 C A reference body
Emitting area at 2200mm (7' 2 5/8") : Depth 140 (5 1/2") X Width 440 (1' 5 1/2")



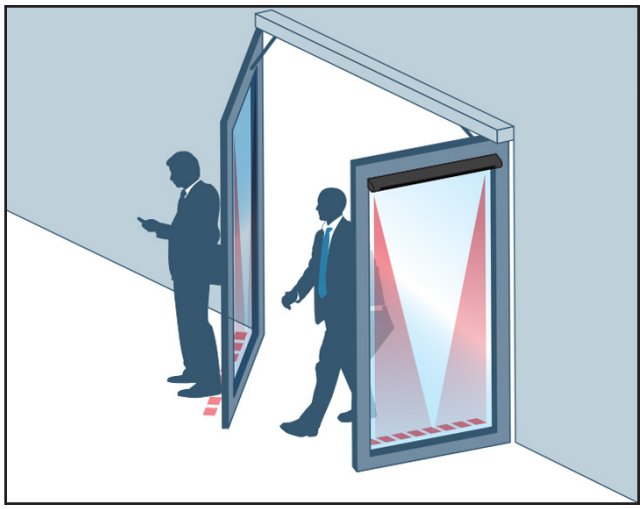
W = Door width
h = Mounting height
d1 = Detection area width
d2 = Distance from the leading edge to the sensor module
d3 = Distance between sensor modules
n = Number of sensor modules

unit : mm (inch)

W			900 (2'12")		1100 (3'7")		1200 (3'11")	
h	d1	d2	n	d3	n	d3	n	d3
1900 (6'3")	760 (2'6")	70 (2 3/4")	2	175 (6 7/8")	2	375 (14 3/4")	2	475 (18 5/8")
2000 (6'7")	790 (2'7")	70 (2 3/4")	2	160 (6 3/8")	2	355 (14")	2	460 (18 1/8")
2100 (6'11")	825 (2'9")	70 (2 3/4")	2	145 (5 6/8")	2	345 (13 5/8")	2	445 (17 1/2")
2200 (7'3")	870 (2'10")	70 (2 3/4")	2	125 (5")	2	320 (12 5/8")	2	420 (16 4/8")
2300 (7'7")	895 (2'11")	70 (2 3/4")	2	115 (4 1/2")	2	315 (12 3/8")	2	415 (16 2/8")
2400 (7'11")	920 (3')	70 (2 3/4")	2	110 (4 1/2")	2	310 (12 2/8")	2	410 (16 1/8")
2500 (8'2")	950 (3'1")	70 (2 3/4")	2	110 (4 3/8")	2	300 (11 6/8")	2	400 (15 3/4")

The OA-Edge series are based on the Optex Active Infrared Triangulations Technology. Due to the modular design, you can upgrade the safety level of the sensor by adding additional modules.

The OA-Edge T is in compliance with the lastest European and local regulations as DIN 18650 and tested and approved by the German test organization TUV.



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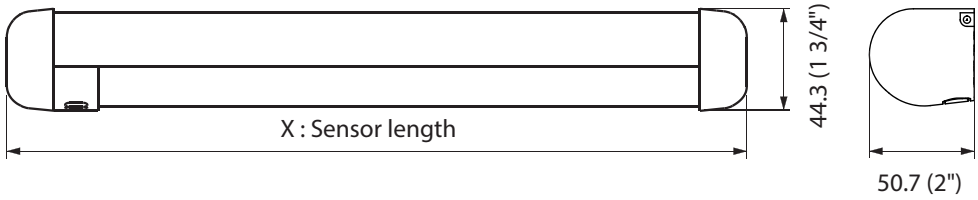
DOOR MOUNTED PRESENCE SENSOR

OA-EDGE SERIES

FOR SWING DOORS

BLACK SILVER

Unit: mm (inch)



SPECIFICATIONS

Model *	OA-EDGE1 / OA-EDGE2
Profile color	Black / Silver
Mounting height	1.5 (4'11") to 3.0 m (9'10")
Detection area	See DETECTION AREA
Detection method	Triangulation
Min. configuration	1 master module + 1 LED module
Max. configuration	4 sensor modules + 2 LED modules
Depth angle adjustment	0° to +25°
Power supply	12 to 24 VAC ±10% (50 /60 Hz) 12 to 30 VDC ±10%
Power consumption	<1.3 W (<2 V A at AC) at min. configuration <3.5 W (<4.5 V A at AC) at max. configuration
Output **	Form C relay Voltage / 42 VDC Current / 0.3 mA max. (resistance load)
Output hold time	Approx. 0.5 sec.
Response time	<75 m sec.
Operating temperature	-20°C to +55°C (-4°F to +131°F)
Operating humidity	<80%
IP rate	IP54
Sensor length	13.1' / 14.5' / 40' / 44'

* : OA-EDGE1 have 1 sensor module (Master only). OA-EDGE2 have 2 sensor modules (Master + Slave).
** : There are two types of output. (Reactivate & Stall)
*** : This is only OA-EDGE1 13.5

Model	OA-EDGE T
Profile color	Black / Silver
Mounting height	1.5 (4'11") to 3.0 m (9'10")
Detection method	Triangulation
Min. configuration	1 master module + 1 LED module
Max. configuration	4 sensor modules + 2 LED modules
Depth angle adjustment	0° to +25°
Power supply 1	12 to 24 VAC ±10% (50 /60 Hz) 12 to 30 VDC ±10%
Power consumption	<1.3 W (<2 V A at AC) at min. configuration <3.5 W (<4.5 V A at AC) at max. configuration
Test input	Opto coupler 10 to 30 VDC Current / 6 mA max.
Safety / Test output 1	Form C relay
Safety / Test output 2	Voltage / 42 VDC Current / 0.3 A max. (resistance load)
Output hold time	Approx. 0.5 sec.
Response time	<75 m sec.
Operating temperature	-20°C to +55°C (-4°F to +131°F)
Operating humidity	80%
IP rate	IP54
Noise level	<70dBA
Category	2 (EN ISO13849-1 : 2008)
Performance level	d (EN ISO13849-1 : 2008)
Dimensions	various x 44 x 51 mm (w x h x d)
Sensor length	340 mm / 700 mm / 900 mm / 1,100 mm /1,200 mm

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ACTIVE INFRARED DOOR SENSOR

ELITE T

DOOR-MOUNTED PRO-SWING

Complies with new ANSI standard

FULL-TIME PRESENCE DETECTION

The Advantage of the door-mounted Pro-Swing ELITE T is that the presence detection stays on even when the door is in motion. The Pro-Swing ELITE T can detect a person or object at any point in the door's swing path, providing complete safety and convenience for swinging doors. When a person or object is in the detection area, the sensor will cause the door to slow, stop, or reverse direction. Knowing Act Doors - ELITE T system satisfies the requirement for secondary activation sensor. No additional sensor required.

NO OVERHEAD SAFETY SENSOR REQUIRED

The Pro-Swing ELITE T provides a full detection pattern that covers the entire swing of the doors in full open and full close position, there is no need for an overhead safety sensor.

LARGE AND ADJUSTABLE DETECTION AREA

The Pro-Swing ELITE T has a large detection area which can detect beyond the normal area around the moving part of the door. The sensor creates a layer of awareness around the door to ensure safety. By simply selecting dipswitches both the function and detection area of the sensor can be adjusted.

MONITORING CAPABILITY

ELITE T has built-in "monitoring capability". ELITE T monitors all its critical functions and notifies compatible controls when an error occurs. Self-monitoring capability ensures a higher level of performance over the life of the sensor.

FULL TIME PRESENCE DETECTION

The Optex Pro-Swing ELITE T is designed to detect moving or stationary people in the swing path of the door. The Optex Pro-Swing ELITE T stays active even when the door is in motion, providing safety all of the time!

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ACTIVE INFRARED DOOR SENSOR

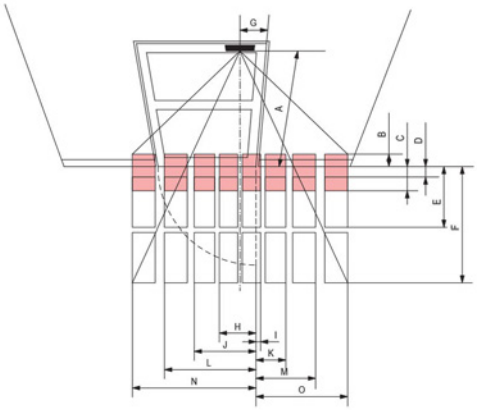
ELITE T

DOOR-MOUNTED PRO-SWING

FOR SWING DOOR

Complies with new ANSI standard

DETECTION AREA

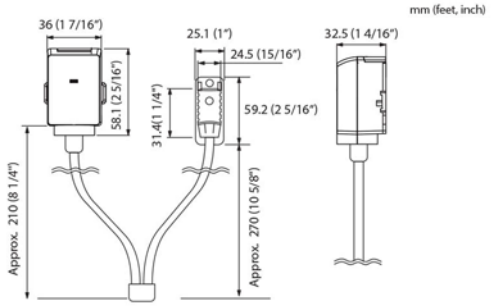


mm (feet, inch)

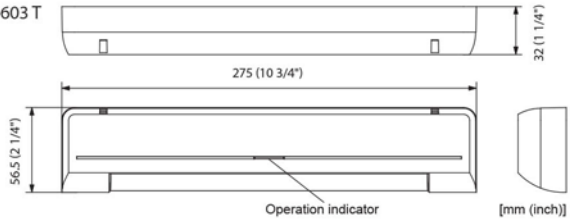
A	2000 (6'7")	2300 (7'6")
B	186 (7")	214 (8")
C	360 (1'2")	414 (1'4")
D	152 (6")	175 (7")
E	840 (2'9")	966 (3'2")
F	1650 (5'5")	1898 (6'2")
G	252 (10")	
H	593 (1'11")	645 (2'1")
I	89 (3")	141 (6")
J	911 (3')	1010 (3'4")
K	407 (1'4")	506 (1'8")
L	1275 (4'2")	1428 (4'8")
M	770 (2'6")	924 (3')
N	1684 (5'6")	1900 (6'3")
O	1180 (3'10")	1395 (4'7")

mm (feet, inch)

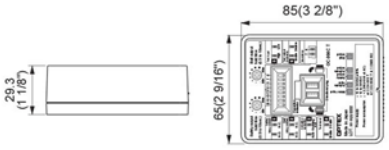
OMS-102



OA-603 T



OC-904C T



SPECIFICATIONS

Model	OA-603 T
Cover color type	Black / Silver
Mounting height	2.0 m (6*7') to 2.5 m (8*2*)
Detection area	See DETECTION AREA
Detection method	Active infrared reflection (Presence detection type)
Detection angle	Threshold area ±5 (Inside & outside) Adjustments: Swing area ±5 (Inside & Outside)
Operation indicator	Green: Stand-by, Blinking red: threshold area detection active Red: Swing area detection active, Blinking Yellow learning
Current draw	120 mA Max
Response time	< 0.3 sec.
Operating temperature	-20to+55°C (-4 to+131°F)
Weight	230 g (8.2 oz.)
Accessories	1 Sensor cable 0.2 m(7"), 9 Mounting screws, 1 Operation manual 3 Mounting template

Model	OC-904C T
Power supply	12 to 24 V AC /12 to 30VDC
Current draw	500 mA max.*
Activate output	Form A relay 50 V, 0.3 A (resistance load)
Safety output	Form B Relay 50 V 0.3 A (resistance load)
Stall output	Form B Relay 50 V 0.3 A (resistance load)
Relay hold time	(Safety & Stall Output only) 0.5 to 10s
Response time	< 0.3 sec.
Operation indicator	Green: Standby, Red: door opening. Orange: lockout
Operating temperature	-20 to +55°C (-4 to+131°F)
Weight	62 g (2.2 oz.)
Accessories	1 Two sided tape, 2 T-tap connector,

• When a unit of the 2 OA-603 and 1 OC-904C used.

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MICROWAVE DOOR SENSOR

REACTION ONE/TWO

FOR SLIDE AND SWING DOORS

BLACK SILVER

OPTEX Reaction microwave sensors are specially designed to increase efficiency on opening all types of automatic doors. The OPTEX microwaves provide fast detection for all automatic door installations and particularly for applications with highspeed entries. The Reaction series is the most flexible line of microwave activation sensors available today.

DETECTION AREA

The OPTEX microwave series offers a narrow or wide detection area that makes it suitable for all types of installations. The narrow setting is easy to set by just clicking the narrow lens on to the radar module. By turning the module left or right and tilting it up and down the microwave can be adjusted quickly and simply for many different applications. No external set-up device is needed.

VERSATILITY IN SWING DOOR ACTIVATION

The Reaction Two includes a uni-directional detection option and can be surface mounted on the door header or the ceiling. This allows the sensor to be used with center pivoted or surface applied operators and in one way traffic or two way traffic applications. An optional recessed ceiling mount is available if desired.

Note: When mounting the Reaction on the swing side of the door the sensor must be located past the swing path of the door.

UNI-DIRECTIONAL SETTING

The Reaction Two is equipped with a dipswitch for Uni-directional or Bi-directional mode. In Bi-directional mode the sensor will detect motion either towards or away from the sensor and open the door. In Uni-directional mode the sensor will only detect when movement is towards the sensor. This allows for the door to close more quickly and saves energy by reducing airflow.

AUTO-CAUTION MODE

Auto Caution mode gives a higher level of sensitivity when persons linger in the detection area. In conjunction with Uni-Directional mode, it provides high safety with maximum efficiency.

ANSI COMPLIANCE

When adjusted properly this sensor meets the current requirements for Motion Sensors in Section 8 of the ANSI/BHMA A156.10 Standard For Power Operated Pedestrian Doors.

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MICROWAVE DOOR SENSOR

REACTION ONE/TWO

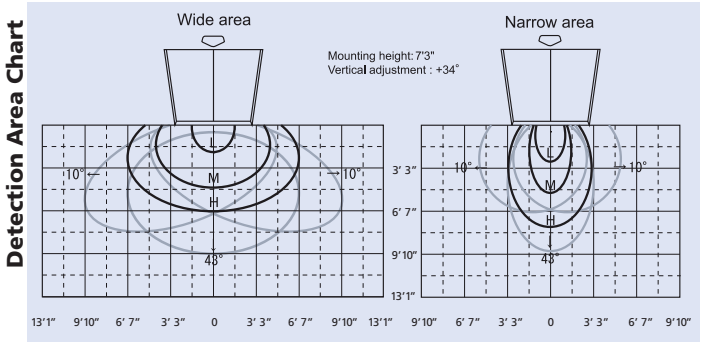
FOR SLIDE AND SWING DOORS

BLACK SILVER

SPECIFICATIONS

Model	Reaction One / Reaction Two
Available colors	Black / Silver
Mounting height	6′ 7″ - 11′ 5″
Detection method	Microwave doppler effect
Power frequency	24.125GHz
Power density	<20dBm
Detection area	See Detection area
Vertical adjustment	+10° to +70° (header mount) +20° to +80° (ceiling mount)
Horizontal adjustment	30° to left or right
Power supply	12 to 24VAC (±10%) 12 to 30VDC (±10%)
Power consumption	<1.5W (<2VA at AC)
Minimum speed	1 15/16″ per sec.
Operating indicator	Green / Standby Red / Detection Green blinking / Set-up
Output	Form C relay 50V 0.3 Max. (resistance load)
Output hold time	2.0 sec. to 4.0 sec.
Response time	<0.3 sec.
Operating humidity	<80%
Operating temperature	-4°F to +131°F
IP rate	IP54
Outer dimensions	5. 3/16″ x 2 3/8″ x 2 3/16″ (w x h x d)
Weight	4.9 oz. (140g)
Accessories	1 Cable 9′ 10″ 1 Operation manual 2 Mounting screws 1 Mounting template 1 Narrow lens

DETECTION AREA CHART



Sensitivity Potentiometer	WIDE AREA		NARROW AREA	
	Width	Depth	Width	Depth
High	5 1/2″	6″	7″	8″
Mid	1′ 5″	1′ 7″	1′ 8″	1′ 11″
Low	2′ 8″	3′ 1″	3′ 3″	3′ 7″

* The values are for reference and are not guaranteed.

* Area position may differ according to the size, material, and/or entry speed of the object and the installation environment. For example, when the material of the door, floor and surrounding wall is metallic, the area may be larger.

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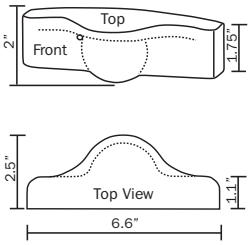


MICROWAVE MOTION SENSOR

MICROSTAR™ M

HUMAN PRESENCE RADAR™

MONITORING CAPABILITY

The microStar M is a flush-mount microwave motion sensor with Human Presence Radar™ (HPR™) for activating all types of automatic doors. The microStar M provides unparalleled protection to even the slowest moving pedestrians from doors closing prematurely.

The microStar M is the first motion sensor to feature an "installation mode," which allows the installer to set the detection area without having to physically activate the door.

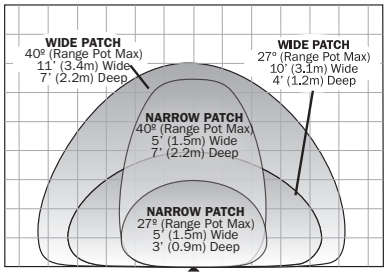
Like other conventional microwave sensors, for the microStar M to activate an automatic door, it utilizes Doppler shift radar to detect movements of at least 2" per second. However, once the door has been activated, the microStar's second level of detection — Human Presence Radar™ — is enabled. Now motion down to 1/4" per second can be detected. This means with HPR™ enabled, persons virtually standing still will continue to be detected anywhere in the detection zone.

Since conventional Doppler shift radar must initially activate the door before enabling Human Presence Radar™, there is no additional chance for false activation of the door because HPR™ alone cannot activate the door.

Human Presence Radar™ gives slow moving, elderly or disabled persons the confidence that once they have been initially detected, they can safely approach an automatic door at any speed without the door closing prematurely.

MS-BDB
(Optional Mounting Bracket)

MSRC
(Optional Rain Cover)



COVERAGE PATTERN

TECHNICAL DATA

- Human Presence Radar™ (HPR™) Provides Additional Level of Motion Detection After Initial Door Activation
- Unidirectional & Bidirectional, Narrow & Wide Patterns, and Variable Elevation, In One Unit
- Two Planar Antennas Included
- Can Be Mounted Up To 15 Feet Above Floor
- Easy To Install and Set-Up Without Proprietary External Devices
- Easy Sensitivity and Time Delay Adjustments
- Install Mode To Set Up Activation Pattern Without Physically Activating Doors
- Fits 1 3/4" Door Frames
- Bidirectional Pattern Adjustment (Left/Right, In/Out)
- Visible LEDs To Verify Activation In Normal Operating Mode
- UV Stabilized ABS Plastic Enclosure

SPECIFICATIONS

Model	microStar™ M
Frequency	24.125 GHz ± 50 MHz (K-Band)
Detection Method	Initial Detection: Doppler Shift Radar Selectable Additional Detection: Human Presence Radar™ (HPR™)
Detection Pattern	Selectable, wide or narrow
Detection Angle	Adjustable, 21° to 90° ±25° Left/Right
Depth angle adjustment	Approach area -15° to +10° Presence/Motion area -10° to +8°
Directionality	Switch Selectable, Unidirectional or Bidirectional
Range	Adjustable (range pot.)
Max. Mounting Height	15' (4.5m)
Power Requirements	12V to 24V AC or DC ± 10%
Power Consumption	3.5W Maximum
Output Contact	Form C, Rated at 1 Amp
Output Power	5mW Typical, 2mW Minimum
Hold Time	Adjustable, 1.5 to 5 Seconds
Mounting	Flush Mounted Optional Universal Mounting Bracket (MS-BDB)
Temperature	-22°F to 158°F (-30°C to 70°C)
Color	Flat Black
Weight	<1 lb. (0.45kg)
Size	6 1/2"W x 1 7/8"H x 2 3/4"D 16.5cmW x 4.8cmH x 7cmD

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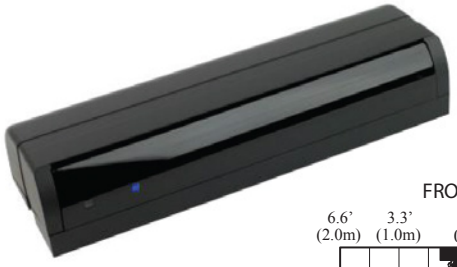
SLIDING PEDESTRIAN DOOR

SAFEPATH™ DH100-CT

MOTION & PRESENCE SENSOR



MONITORING CAPABILITY

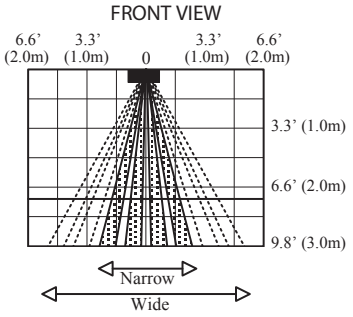
The SafePath™ DH100-CT is an active infrared presence sensor that is designed to provide both activation and safety detection for automatic sliding and folding doors in a single device.

The DH100-CT is based on the most reliable active infrared (AI) technology available—Floor Reflection Method (FRM).

With FRM-AI, up to 48 individual detection points are precisely reflected off of the floor in a rectangular pattern meeting and exceeding ANSI A156.10 guidelines.

The DH100-CT is designed for easy field installation and adjustment. The pattern width and depth are both mechanically adjustable. In addition, the depth can be altered electronically from 5 to 2 rows. All adjustments are available without the use of proprietary set-up devices.

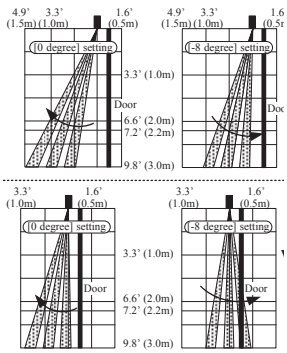
COVERAGE PATTERN



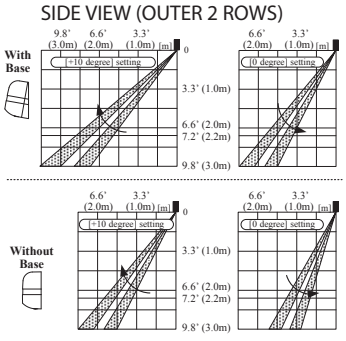
TECHNICAL DATA

- Floor Reflection Method Active Infrared Technology (FRM-AI)
- One Sensor Provides Complete Presence Detection
- Test Input provides sensor monitoring capabilities as required by the latest industry standard.
- Pattern depth and width are adjustable using mounting height, dip switches, detection area depth, and detection area width adjustments.
- Frequency can be changed to prevent interference from other sensors in close proximity.
- Self-Diagnostic means the sensor continuously monitors itself.
- Monitor Mode Switch ensures against false operation caused by snow, leaves, insects, etc.
- Programmable Presence Timer (2 sec., 30 sec., 60 sec., or infinity).

SIDE VIEW (INNER 3 ROWS)



SIDE VIEW (OUTER 2 ROWS)



SPECIFICATIONS

Model	DH100-CT
Detection Method	Floor Reflection Method Active Infrared (FRM-AI)
Max. Installation Height	9.84 ft. (3.0m)
Sensitivity Adjustment	Variable (via potentiometer)
Detection Area Adjustment	Pattern Depth (2 to 5 rows via dip switch setting) and Angle Adjustment Levers (Outer 2 Rows 10° in 3 steps; Inner 3 Rows 8° in 3 steps) Pattern Width via 2 Position Mechanical Mask Knobs (Outer 2 Rows = Narrow or Wide Inner 3 Rows = Single or Double Door)
Detection Beams	Up to 48 Beams (Inner 2 Rows: 12 Beams x 2 Rows) (Outer Rows: 8 Beams x 3 Rows)
Presence Detection	Presence Detection
Motion Detection	4&5 Outer rows (Approach)
Power Requirements	12V to 24V AC or DC ± 10%
Power Consumption (Max.)	AC12V-1.5VA, AC24V-2.0VA *DC12V-80mA, DC24V-50mA
Output Contact	Form C Relay, DC50V 0.1A (Resistor Load) Yellow Wire = Normally Open Green Wire = Normally Closed White Wire = Common Relay is "driven" when power fails
Output Holding Time	Approx. 0.5 Seconds
Presence Timer	Outer 2 Rows (1 sec.) Inner 3 Rows (2, 30, 60 sec. & infinity)
Operation Indication	Red LED = Detecting Green LED = Standby Orange LED= Detection row "ROW 1" is too close to the door
Temperature Range	-4°F to 140°F (-20°C to 60°C)
Weight	Approx. 0.55 lbs. (0.25 kg)
Cover Color	Black
Accessories	Cable, Mounting Screws, Mounting Template, Installation Instructions

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AUTOMATIC SLIDING AND FOLDING DOORS

SAFEPATH™ DHR3

MOTION & PRESENCE SENSOR

MONITORING CAPABILITY

The SafePath™ DHR3 is a combination microwave and active infrared motion/presence sensor designed to provide both activation and safety protection for automatic sliding and folding doors.

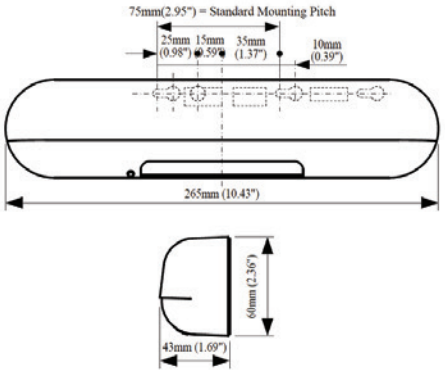
The DHR3 is based on the most reliable microwave and active infrared (AI) technology available—Floor Reflection Method (FRM).

The DHR3 provides motion detection as far as 10.5 feet (3.2m) from the door while simultaneously providing a dense zone of presence detection at the threshold of the door.

The DHR3 is designed for easy field installation and adjustment. The pattern width and depth are both mechanically adjustable. In addition, the depth can be altered electronically from 5 to 2 rows. All adjustments are available without the use of proprietary set-up devices.

Floor Reflection Method™ (FRM™) sensors with Maximum Pattern Infrared™ (MPI™) provide better safety than other infrared sensors.

SafePath Maximum Pattern Infrared (MPI™) sensors use more beams than other manufacturers—and provide a level of safety not found in other standalone infrared sensors.

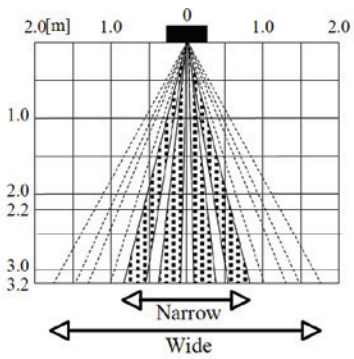


TECHNICAL DATA

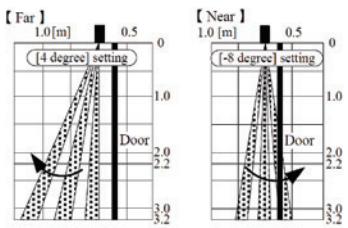
- Doppler Shift Radar & Active Infrared Reflection Technology
- One Sensor Provides Complete Motion & Presence Detection
- 4 Presence Timer Settings
- Mounts Up To 10.5′ (3.2m)
- Electronic Depth Adjustment
- Quick-Connect Wiring Harness Included
- Four Frequency Settings
- 12V to 24V AC or DC Operation
- Form C Dry Relay Contact N.O., COM, N.C.
- Rain Cover Available

COVERAGE PATTERN

FRONT VIEW



SIDE VIEW



SPECIFICATIONS

Model	DHR3
Detection Method	Doppler Shift Radar & Active Infrared Reflection
Max. Installation Height	10.5 ft. (3.2m)
Power Requirements	12V to 24V AC or DC ± 10%
Power Consumption	AC24V-2.5VA, AC12V-2.5VA DC24V-65mA, DC12V-140mA
INFRARED SENSOR	
Detection Method	Active Infrared Reflection
Output Holding Time	0.5 seconds
Response Time	0.1 to 0.2 seconds
Presence Timer	2, 30, 60 seconds or infinity
Output Contact	7.5mA Max (Resistor Load), 55V DC Max Voltage, 50mA MAx Current
MICROWAVE SENSOR	
Detection Method	Doppler Shift Radar
Operating Frequency	1.5 seconds
Response Time	0.1 to 0.2 seconds
Output Contact	Form C Relay, DC50V 0.1A Resistor Load

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SWING DOOR MOUNTED

SAFEPATH™ SSS-5

PRESENCE SENSOR

MONITORING CAPABILITY

The SafePath SSS-5 is a door mounted presence sensor designed to provide safety protection for any swing, bi-fold, revolving and low energy automatic doors. On swing doors, while the door is opening, the SSS-5 will sense and protect a person in it's path and either slow or stop the door. When the door is closing, the SSS-5 will sense a person in it's path and reopen the door.

The SSS-5 combines the most reliable active infrared technology available with Position Sensitive Detection (PSD) technology found in auto focus cameras to ensure precise pedestrian detection within the path of a moving door panel.

The SSS-5 mounts near the top of the door panel out of harms way. PSD sensor technology automatically focuses the sensor lenses to dipswitch controlled height settings.

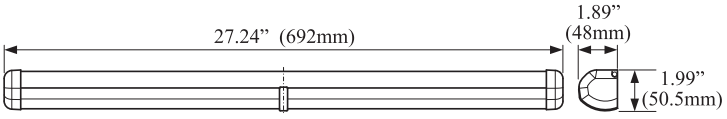
The PSD sensor module consists of a transmitter (TX) and a receiver (RX) that emits a precise detection pattern.

The SSS-5 mounts on either side or both sides of a door panel depending upon the application. They can also be used to stand alone or in conjunction with other sensors for complete swing door safety. Consult ANSI A156.10 to ensure proper usage and to meet all safety requirements.

TECHNICAL DATA

- Combines reliable active infrared and Auto Focus Position Sensitive Detection (PSD) technologies for precise detection
- Mounts at top of door to eliminate potential damage from shopping carts and hospital beds
- SSS-5M1
- Works with any manufacturer's operator
- Adjustable detection angle, distance and width
- Quick-Connect wiring harnesses
- Infinite presence timer
- 12V to 24V AC or DC Operation
- Form C Dry Relay Contact; Output Logic Dipswitch Selectable

DIMENSIONS



SPECIFICATIONS

Model	SafePath SSS-5 Door Mounted Presence Sensor
Detection Method	Active Infrared with Position Sensitive Detection (PSD) Measurement
Max. Installation Height	8'6" (2.6m)
Detection Range	0'-8'2" (0-2.5m)
Beam Angle Adjustment	5°, 10°, 15°, 20°, 25°
Presence Timer	Infinity
Power Supply	12-24V AC or DC ± 10%
Power Consumption (per sensor module)	AC12V-1.7VA, DC12V-95mA AC24V-2.3VA, DC24V-55mA
Output Contact	Form C Relay; DC50V 0.1A Non Voltage 1C
Response Time	<100mSec.
Delay Hold Time	0.5 sec.
Temperature Range	-4°F to 140°F (-20°C to 60°C)
Weight	SSS-5M1: 1.2lbs. (540g)
Color	Black

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FRM-AI COMBINATION

SAFEPATH™ DH400

HIGH MOUNT PRESENCE SENSOR

MONITORING CAPABILITY

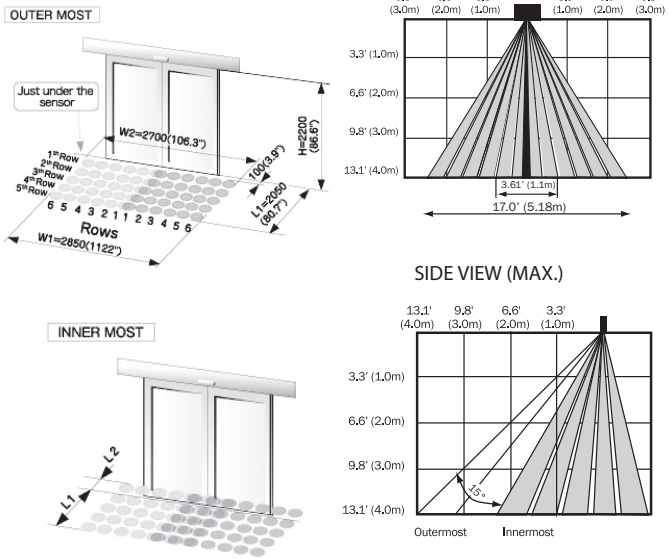
The SafePath™ DH400 is a high mount active infrared presence sensor designed to provide both activation and safety protection for automatic sliding and folding doors.

The DH400 is based on the most reliable active infrared (AI) technology available—Floor Reflection Method (FRM).

With FRM-AI, up to 60 individual detection zones are precisely reflected off of the floor in a rectangular pattern meeting and exceeding ANSI A156.10 guidelines.

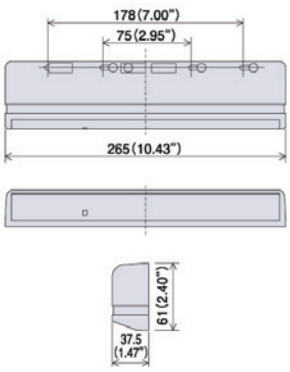
The DH400 provides detection as far as 13.1 feet (4.0m) from the door while simultaneously providing a dense zone of presence detection at the threshold of the door. With a sensing area of up to 60 separate detection zones, the DH400 provides the highest density pattern available.

The DH400 is designed for easy field installation and adjustment. The pattern width and depth are both mechanically adjustable. In addition, the depth can be altered electronically from 5 to 2 rows. All adjustments are available without the use of proprietary set-up devices.



TECHNICAL DATA

- Floor Reflection Method Active Infrared Technology (FRM-AI)
- One Sensor Provides Complete Presence Detection
- Up To 60 Detection Zones
- 4 Presence Timer Settings
- Mounts Up To 13.1' (4.0m)
- Electronic Depth Adjustment From 5 to 2 Rows
- Separate Dip Switch Width Adjustment for Right and Left allowing maximum customization of pattern
- Quick-Connect Wiring Harness Included
- Four Frequency Settings
- 12V to 24V AC or DC Operation
- Form C Dry Relay Contact N.O., COM, N.C.
- Rain Cover Available (DHRC)



SPECIFICATIONS

Model	DH400
Detection Method	Floor Reflection Method Active Infrared (FRM-AI)
Max. Installation Height	13.1 ft. (4.0m)
Sensitivity Adjustment	Variable (via potentiometer)
Detection Area Adjustment	
Pattern Width:	Up to 12 rows (6 left, 6 right)
Pattern Depth:	5 to 2 Rows + Independent Tilt
Settings:	
Detection Beams:	Up to 60 Beams
Power Requirements	12V to 24V AC or DC ± 10%
Power Consumption	AC24V-2.5VA, AC12V-2.5VA DC24V-65mA, DC12V-140mA
Output Contact	Form C Relay, DC50V 0.1A Resistor Load
Output Holding Time	Approx. 0.5 Seconds
Presence Timer	2, 30, 60 sec. & infinity
Temperature Range	-4°F to 140°F (-20°C to 60°C)
Weight	Approx. 0.64 lbs. (0.29 kg)
Cover Color	Black, Silver
Accessories	Cable: 8.2 ft. (2.5m)

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FRM-AI COMBINATION

SAFEPATH™ DH94

HIGH MOUNT PRESENCE SENSOR

FRM-AI technology with Maximum Pattern Infrared™ (MPI™)

MONITORING CAPABILITY

The SafePath DH94 is a 4-row presence sensor designed to provide both activation and safety protection to automatic sliding entrances with shallow approaches such as those found in a typical “strip center” shopping complex.

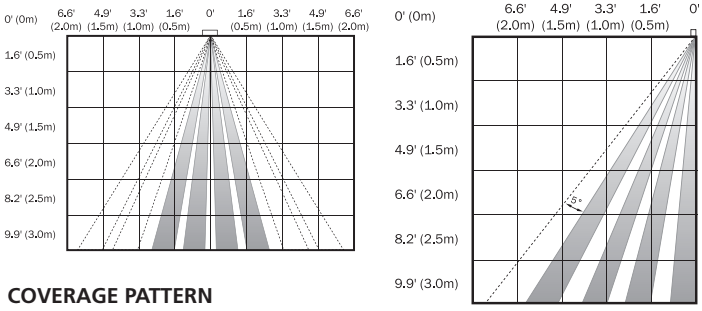
The DH94 is based on the most reliable active infrared (AI) technology available — Floor Reflection Method (FRM). Floor Reflection Method™ (FRM™) sensors with Maximum Pattern Infrared™ (MPI™) provide better safety than other infrared sensors.

With FRM-AI up to 32 individual detection zones are precisely reflected off of the floor in a rectangular pattern meeting and exceeding ANSI A156.10 guidelines.

The DH94 is designed for easy field installation and adjustment. The pattern width and depth are mechanically adjustable. In addition, depth can be altered electronically from 4 rows to 1 row thus providing either a pattern deep enough for both activation and safety or shallow enough for curtain-like safety protection at the threshold. All adjustments are available without the use of proprietary set-up devices.

Floor Reflection Method™ (FRM™) sensors with Maximum Pattern Infrared™ (MPI™) provide better safety than other infrared sensors.

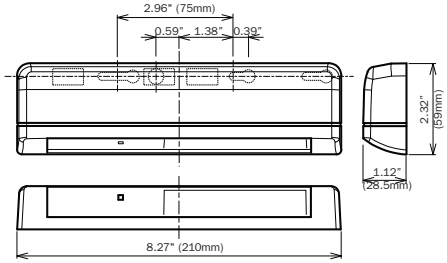
SafePath Maximum Pattern Infrared (MPI™) sensors use more beams than other manufacturers—and provide a level of safety not found in other standalone infrared sensors.



COVERAGE PATTERN

TECHNICAL DATA

- Floor Reflection Method Active Infrared (FRM-AI) Technology
- Up To 32 Detection Zones
- Quick-Connect Wiring
- Mount Up To 9.8’ (3m) High
- Programmable Presence Timer (2, 30, 60 or ∞ Seconds)
- Tape-Free Masking
- No Lens Changing
- Electronic Depth Adjustment (From 4 to 1 Rows)
- Snow Mode
- Indicator LED
- Elevation Angle Adjustment
- 12V or 24V AC or DC Operation
- Rain Cover Available (



SPECIFICATIONS

Model	SafePath DH94
Detection Method	Floor Reflection Method Active Infrared (FRM-AI)
Max. Installation Height	9.8 Feet (3m)
Detection Area Adjustment	
Pattern Width:	(Wide & Narrow)
Pattern Depth:	(4 to 1 Rows)
Pattern Depth:	(0° to 5°)
Power Requirements	12V to 24V AC or DC ± 10%
Power Consumption	AC12V: 1.35VA Max AC24V: 1.5VA Max DC12V: 65mA, DC24V: 35mA
Output Contact	Form C Relay: DC50V 0.1A (Resistor Load)
Output Holding Time	Approx. 0.5 Seconds
Presence Timer	2, 30, 60 or ∞ Seconds Programmable Via Dip Switch
Temperature Range	-4°F to 140°F (-20°C to 60°C)
Weight	Approx. 0.40 lbs. (0.180 kg)
Cover Color	Black
Accessories	Cable: 8 ft. (2.5m)

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LONG RANGE INDUSTRIAL

SAFEPATH™ ID20

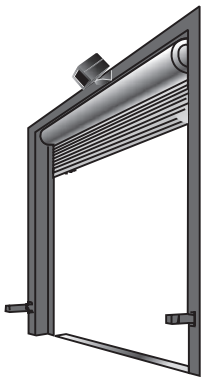
MICROWAVE MOTION SENSOR

MONITORING CAPABILITY

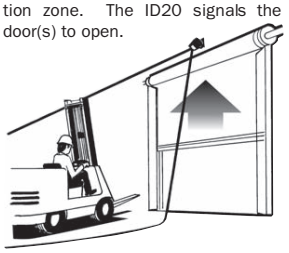
The SafePath™ ID20 is a long range microwave motion sensor designed to provide activation for industrial doors.

Microwave technology allows the ID20 to only detect motion in one direction (approach-only or depart-only) resulting in more efficient and economical door operation. It is capable of detecting larger objects, such as fork trucks up to 60 ft. away. The ID20 can be mounted up to 20 ft. off the floor and has a maximum pattern size approximately 18 ft. wide at 60 ft. from the unit. The pattern is adjustable by turning a range potentiometer and aiming the unit. A speed selection switch makes the ID20 capable of detecting pedestrians (at 25 to 30 feet) and/or vehicles.

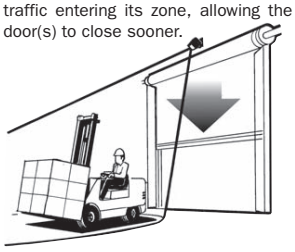
The ID20 is unaffected by air motion, temperature, humidity, color or background variations. It is less expensive to install than loop detectors and is not susceptible to damage or malfunction from ice, salt and heavy vehicular traffic.



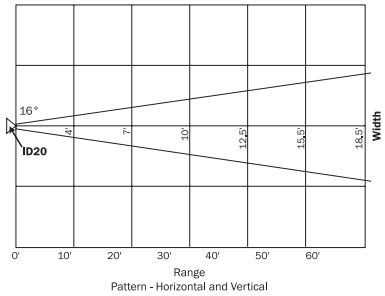
Approaching traffic enters the detection zone. The ID20 signals the door(s) to open.

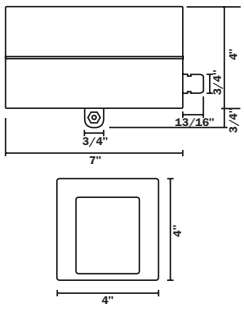


Departing traffic clears the hold open beam. The ID20 ignores departing traffic entering its zone, allowing the door(s) to close sooner.



COVERAGE PATTERN





SPECIFICATIONS

Model	ID20
Operating Frequency	10.525 GHz
Detection Method	Doppler Shift Microwave
Detection Pattern	Adjustable
Detection Angle	Adjustable
Directionality	Switch Selectable—Approach Only or Depart Only
Response Time	0.25 seconds
Speed Detection	Switch Selectable >1 mph or >3 mph
Hold Time	0.5 to 5 seconds, adjustable
Power	12V to 24V AC or DC
Current Consumption	0.10 amps
Relay Contacts	Form C, rated at 3 amps
Mounting	Heavy-duty metal bracket with lockset
Enclosure/Finish	Black powder coated aluminum
Temperature	-35°F to 165°F (-37°C to 74°C)
Physical Dimensions	4"H x 4"W x 7"D
Weight	4 lbs.

TECHNICAL DATA

- Hands-free door activation
- Replaces loop detectors
- Heavy-duty, weather-proof aluminum enclosure
- Easy to set-up and install
- Long range small vehicle detection (up to 60 feet)
- Outdoor/indoor use
- Responds to motion in only one direction—approach only or depart only
- Mounts up to 20 ft. high
- Use Safety Beams or Safety
- Sensors Where Appropriate
- Hold-open
- Rain Cover Available (DHRC)

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INDUSTRIAL DOOR

DOMINO 1100

MICROWAVE MOTION SENSOR

Optional weather cover and Domi-LINK Remote Control pictured.

MONITORING CAPABILITY

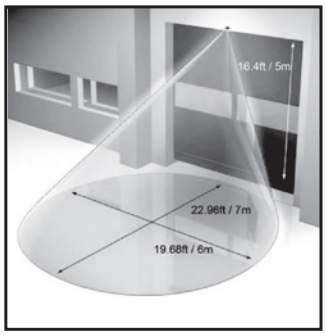
The Domino 1100 is a microwave motion sensor for activating automatic industrial doors. Features include a speed selectable switch that makes the unit capable of detecting pedestrians and/or vehicles. Detection mode is selectable between approach-only, depart-only, or bidirectional motion.

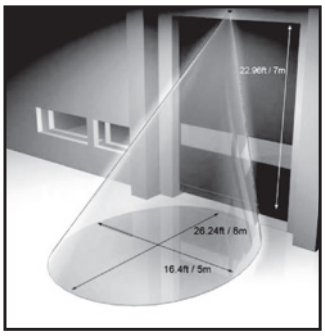
Microwave technology allows the Domino 1100 to detect larger objects, such as forklift trucks, up to 26 feet away. Maximum pattern size is approximately 16 feet wide at 26 feet from the unit, at a mounting height of 23 feet, and is adjustable via programming, tilt angle, and mounting height. The Domino 1100 is not affected by air motion, change in temperature, humidity, color or background variations.

TECHNICAL DATA

- Unidirectional & Bidirectional Detection
- Can Be Mounted Up To 23 Feet Above Floor
- Easy To Install and Set-Up
- Easy Sensitivity and Time Delay Adjustments
- UV Stabilized ABS Plastic Enclosure
- Optional Domi-LINK remote control for easy setup
- Optional weather cover and/or ceiling mount bracket available

Detection Area





APPLICABLE STANDARDS

- American National Standards Institute (ANSI)
- Building Hardware Manufacturer's Association (BHMA) - ANSI/BHMA A156.10.

SPECIFICATIONS

Model	Domino 1100
Frequency	24.125 GHz ± 50 MHz (K-Band)
Detection Method	Doppler Shift Radar
Detection Pattern	Selectable, via tilt angle and mounting height
Detection Angle	Adjustable, 21° to 90° ±25° Left/Right
Directionality	Selectable, Unidirectional or Bidirectional
Range	Adjustable (via tilt angle, programming, and mounting height)
Max. Mounting Height	23' (7m)
Power Requirements	12 to 28V AC or 12 to 36VDC
Current Consumption	50mA @ 24V DC
Power Consumption	<1W
Relay Outputs	Main relay and vehicle relay, selectable to N.O. or N.C. via programming
Hold Time	Adjustable, 0.2 to 5 Seconds
Temperature	-4°F to 140°F (-20°C to 60°C)
Color	Flat Black
Enclosure	Ground plate ABS, Cover Polycarbonate
Weight	0.3 lb. (120g)
Size	4.84"W x 3.35"H x 2.24"D 123mmW x 85mmH x 57mmD

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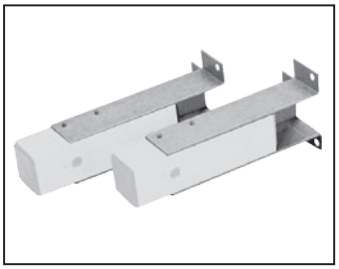
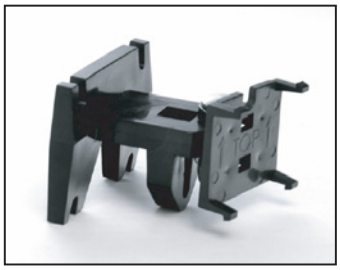
SENSOR ACCESSORIES



GDB

Bracket

The GDB is an optional stand-off type bracket designed to allow our GD11S surface mount beams to clear garage door track hardware (shown with GD11S).



MS-BDB

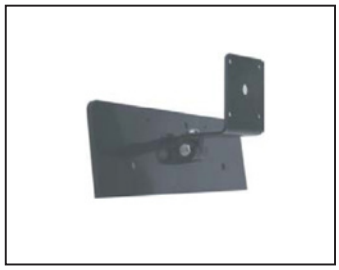
Optional Mounting Bracket

The MS-BDB is an optional mounting device that allows the installer to elevate and rotate the microstar-M for special configurations.

MSRC

Optional Rain Cover

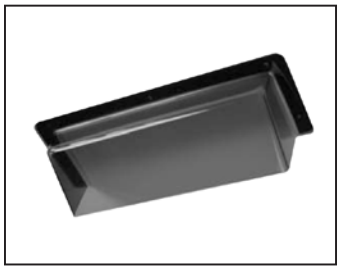
The MSRC is a rain cover designedfor use with the microStar-M sensors on installations that require protec-tion from direct rainfall. The MSRC is made of black polycarbonate plastic.



DH-BDB

Bracket/Backplate

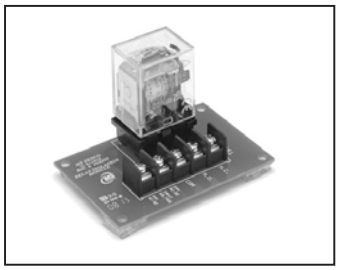
The MSRC is a rain cover designedfor use with the microStar-M sensors on installations that require protec-tion from direct rainfall. The MSRC is made of black polycarbonate plastic..



DHRC

Rain Cover

The MS-BDB is an optional mounting device that allows the installer to elevate and rotate the microstar-M for special configurations.



RIM

RIM Relay Isolation Module

The RIM is a relay isolation module that can be used in applications that could damage input or output connections on sensors, timing modules, or other low voltage devices. The relay on the RIM is rated to handle higher current that might be used for locks, alarms, or other electronic devices that exceed the ratings of standard relays.

12024 Open Frame 24V AC

Transformer

The 12024 transformer is a screw mount type transformer used to convert a 120V AC power supply to 24V AC low voltage.

BRM

BRM Bridge Rectifier Module

The BRM is a bridge rectifier module that can be used to convert AC voltage to DC voltage for a variety of applications.

RCM

RCM Relay Conversion Module

The RCM is a conversion module that will allow a single input signal to operate two discrete outputs. Application examples might include using a single actuator switch, such as our 830-A key-switch, to illuminate an indicator light and unlock a door simultaneously.

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ACTIVATION SENSORS FOR INDUSTRIAL DOORS

FALCON

MOTION SENSOR

FEATURES

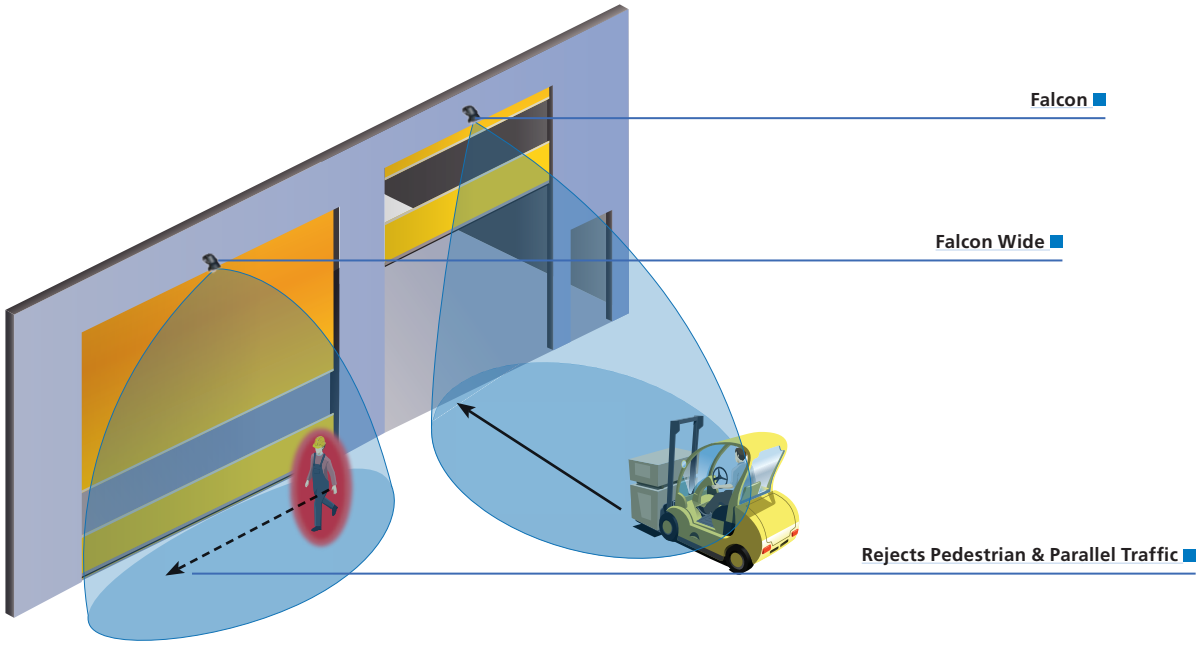
- Uni- and bi-directional microwave motion detection
- Multiple models and settings allow the Falcon family to cover various applications (explosion-proof housing available)
- Can reject pedestrian and parallel traffic
- Supplied mounting bracket allows multiple mounting options from 0° to 180° tilt
- A telescopic, heavy-duty mounting bracket offers extension up to 3-feet (optional)
- NEMA 4 rated enclosure provides protection against dust, cleaning agents and environmental conditions

Intelligence & Durability, All In One Enclosure

The Falcon is a uni- and bi-directional motion sensor optimizing the performance of automatic doors. The Falcon detects moving objects and can reject pedestrian traffic and parallel traffic.

By detecting vehicles and rejecting parallel traffic, the Falcon reduces door cycling and helps save energy.

Pedestrian Rejection Capable



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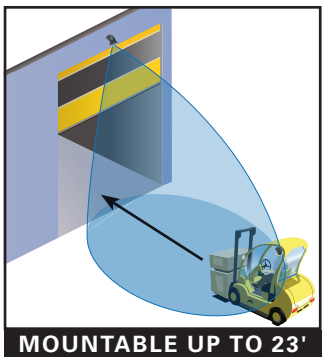
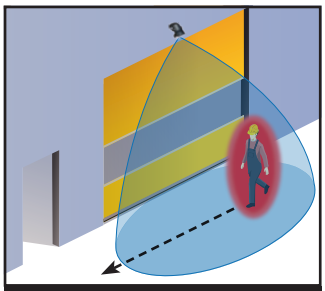
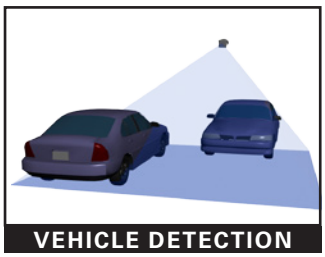


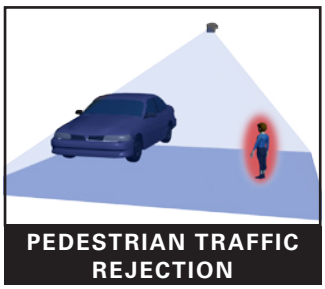
MOUNTABLE UP TO 23'



PARALLEL TRAFFIC REJECTION



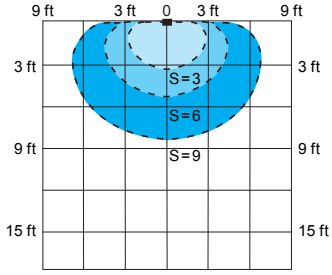
VEHICLE DETECTION



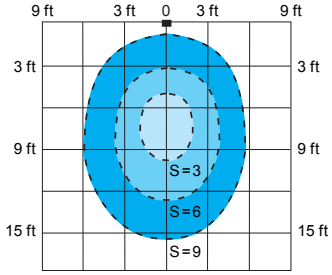
PEDESTRIAN TRAFFIC REJECTION

FALCON EX; FALCON EX XL

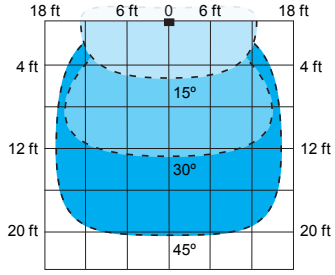
DETECTION ZONES (S=SENSITIVITY)



H = 8' / Tilt Angle = 30
(Falcon XL Pattern)



H = 16' / Tilt Angle = 30
(Standard Falcon Pattern)



H = 11.5' / Sensitivity = 9
(Falcon Wide Pattern)

TECHNICAL SPECIFICATIONS

Technology	K-Band Microwave Doppler Radar
Radiated Frequency	24.125 GHz
Transmitter Radiated Frequency	< 20 dBm EIRP
Radiated Power Density	< 5 mW / cm²
Detection Mode	Motion
Detection Zone (W×D)	
Falcon (narrow pattern)	13 ft × 16 ft; @ 16 ft
Falcon XL (wide pattern)	13 ft × 6.5 ft; @ 8.2 ft
Falcon Wide (extra wide pattern)	30 ft × 11 ft; @ 21 ft
Tilt Angles	0° to 180° when mounted vertically
Output	Relay (free of potential change-over contact)
Maximum Contact Voltage	42 V AC/DC
Maximum Contact Current	1 A (resistive)
Maximum Switching Power	30 W (DC); 60 VA (AC)
Output Hold Time	0.5 to 9 seconds (adjustable)
Reaction Time	100 ms
Minimum Detection Speed	2.2 in/s
LED Signals	Green: Value indication Red: Detection state & parameter indication
Mains Frequency	50 to 60 Hz
Supply Voltage	12 to 24 VAC; ±10% 12 to 24 VDC; +30% / -10%
Maximum Power Consumption	< 2 W
Mounting Height	
Falcon	11.5 to 23 ft
Falcon XL	6.5 to 11.5 ft
Falcon Wide	11.5 to 21 ft
Dimensions (WxLxH)	4.14 × 6.54 × 3.82 inches
Materials	ABS & Polycarbonate
Temperature Range	-22° F to +140° F
Degree of Protection	NEMA 4 (IP65)
Humidity	0-95% non condensing
Norm of Conformity	EMC: 2004 / 108 / EC R&TTE: 1999 / 5 / EC

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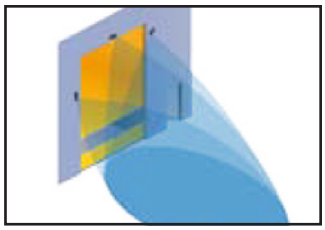
MICROWAVE MOTION SENSOR

SPARROW

FOR INDUSTRIAL DOORS

PERFORMANCE

- Detection of both people and vehicles
- Unidirectional detection helps reduce a door's hold open time and helps improve energy conservation
- A total of 10 available detection areas offer an area from 3 ft (D) × 6 ft (L) – 20 ft (D) × 33 ft (L)
- Great product fexibility with a rotating angle from -180° to +180°



Flexible Mounting Positions

APPLICATION

- Any industrial door where motion activation is required

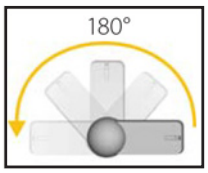
EASE OF INSTALLATION

- Simple installation (screwless terminal block)

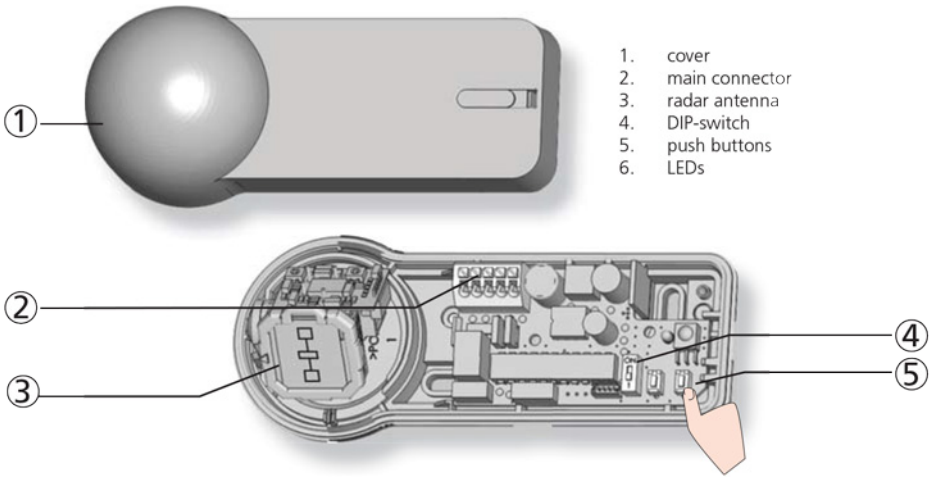
The SPARROW is aimed to detect people and vehicles approaching the door. Its unidirectional detection mode allows the sensor to optimize the door operation.

DESIGNED FOR INDUSTRIAL ENVIRONMENTS

- Rotating positioning: -180° to +180° in reference with the mounting central axis
- Maximum mounting height of 20 ft
- Parameter adjustment with remote control or push buttons
- Adaptation to industrial environment (IP64)



The sensor can be installed in various positions. Always verify the antenna position.



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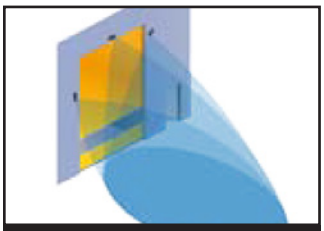
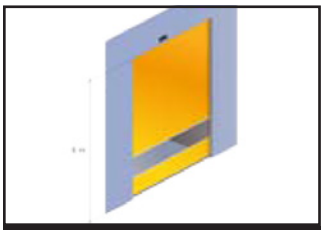
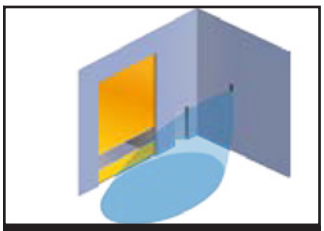
LATERAL AND VERTICAL ANTENNA ADJUSTMENT



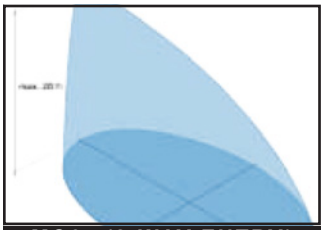
VERY FLEXIBLE INSTALLATION



BOOST FUNCTION TO ACTIVATE FOR MOUNTING HEIGHT FROM 15 FT – 20 FT



MOUNTING POSSIBLE ON WALLS CLOSE TO THE DOOR

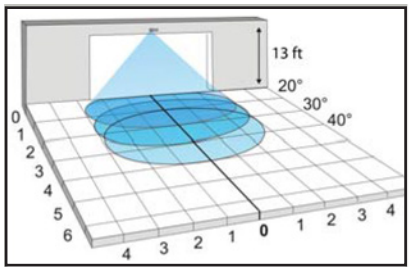


MC65 (2-WAY ENTRY)

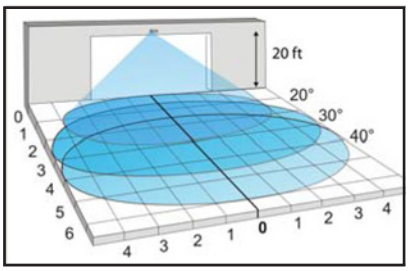
PRODUCT DETAILS & TECHNICAL SPECIFICATIONS

Technology:	microwave
Transmitter frequency:	24.150 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm²
Detection mode:	motion
Min. detection speed:	2 in/s (measured in the sensor axis)
Supply voltage:	12V to 24V AC ±10%; 12V to 24V DC +30% / -10%
Mains frequency:	50 to 60 Hz
Max power consumption:	< 2 W
Output: Max. contact voltage: Max. contact current: Max. switching power:	relay (free of potential change-over contact) 42V AC - 60V DC 1A (resistive) 30W (DC) / 60VA (AC)
Mounting height:	6.5 ft to 20 ft
Degree of protection:	IP64
Temperature range:	-22 °F to + 140 °F
Dimensions:	5.51 in (L) x 2.17 in (H) x 2.25 in (W)
Tilt angles:	0° to 90° vertical; -120° to +120° lateral
Material:	ABS
Weight:	5.8 oz
Cable length:	30 ft
Norm conformity:	R&TTE 1999/5/EC; EMC 2004/108/EC

DETECTION FIELD



Mounting height: 13 ft Boost function: OFF
Factory values



Mounting height: 20 ft Boost function: ON
Factory values

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SLEEK AND RELIABLE PASSIVE INFRARED TECHNOLOGY

FLY KIT

PIR SENSOR

IDC'S SMALLEST & MOST ACCURATE PIR SENSOR

Note: Only one (1) Fly sensor included with each kit

Ceiling or Surface Mounting

FEATURES

- Cost effective kits make the Fly an economical sensor perfect for many security applications.
- The microprocessor provides a highly accurate detection zone that is easily field adjustable.
- Passive infrared (PIR) technology provides a reliable signal for request to exit (REX) applications.
- DIP switches and sensing field adjustment mask allow for custom, user-defined settings.
- An Extended Relay Time (ERT) version is available for hold times of 15 or 30 seconds.

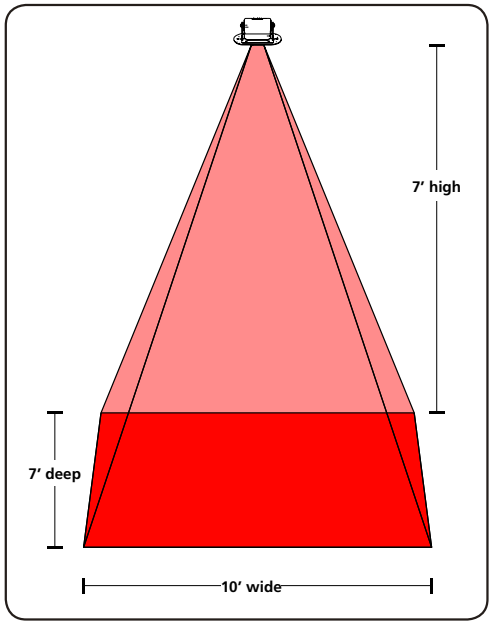
APPLICATIONS

- Releasing a maglock or electric strike on manual or automatic doors
- Request to Exit (REX) applications
- Controlling traffic flow

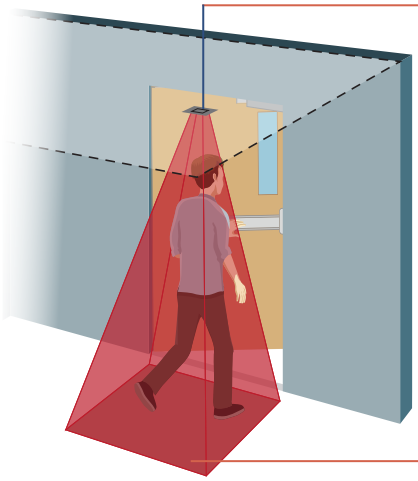
The Fly is a sensor utilizing passive infrared technology, small enough to fit in the palm of your hand.

The Fly Kit is a package containing the standard Fly sensor, the ceiling mount adapter and the surface mount adapter, all available in either a black or white finish.

Sensor Pattern



Recessed Ceiling Mount (FCA)



Featured as a part of IDC's Security product line, the Fly provides a simple PIR solution.

The Fly recognizes objects emitting a heat signature within its detection zone, such as a person.

This type of technology is ideal for applications where debris or inanimate objects may cause false detections.

Passive Infrared Detection Zone

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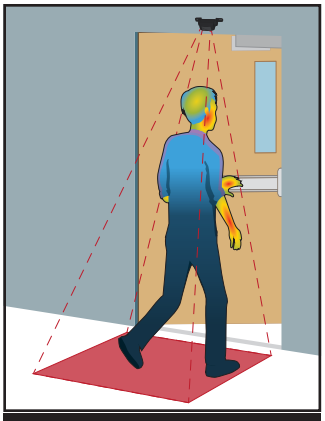
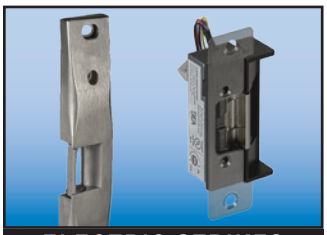


DETECTS PRESENCE AND A CHANGE IN TEMPERATURE

REQUIRED DETECTION CRITERIA



ELECTRIC STRIKES

MAGLOCKS

REX PUSH BUTTONS

Br3 LOGIC MODULE

REQUEST TO EXIT PRODUCT FAMILY

10 FLY KIT BLK COMPONENTS

FLY / FLY ERT
Std. Fly Sensor / Fly ERT Sensor

FSA
Fly Surface Adapter

FCA
Fly Ceiling Adapter

10 FLY KIT WHT COMPONENTS

FLY / FLY ERT
Std. Fly Sensor / Fly ERT Sensor

FSA
Fly Surface Adapter

FCA
Fly Ceiling Adapter

Included Components

Sensing Field Adjustment Mask

9′ 0″ Cable

IDC'S SMALLEST & MOST ACCURATE PIR SENSOR

TECHNICAL SPECIFICATIONS

Technology	Passive Infrared with microprocessor
Mounting Height	Recommended: 6′ 6″ – 8′ 0″ Maximum: 10′ 0″
Mounting Angles	0° to 180°
Power Supply	12 to 24 VAC; ±10%; (50/60 Hz) 12 to 24 VDC; -10% / +30%
Current Consumption	<10 mA (20 mA if the relay output is activated)
Contact Rating	1 A / 75 VDC or 50 VAC (potential free contact NO/NC)
Optical Characteristics	Passive infrared with four elements 15 Fresnel lenses with full independent masking possibilities
Warm-up Time	10 seconds
Response Time	Maximum: 200 microseconds
Relay Hold Time	
Standard Fly	0.5 or 2 seconds
Fly Extended Relay Time	15 or 30 seconds
Operating Temperature	-22°F to +140°F (-30°C to +55°C)
Immunity	Electrical and radio frequency interference
Cable	9′ 0″ of 4-conductor cable with 5-pin connector
Weight	1.4 oz (40 g)
Sensor Dimensions (WxH×D)	4.0″ × 1.5″ × 1.0″

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USERS GUIDE

FOCUS AND FOCUS 2

PRESENCE SENSOR

SAFETY PRECAUTIONS

- Shut off all power going to the header before attempting any wiring procedures.
- Maintain a clean & safe environment when working in public areas.
- Constantly be aware of pedestrian traffic around the door area.
- Always stop pedestrian traffic through the doorway when performing tests that may result in unexpected reactions by the door.
- Always check placement of all wiring before powering up to insure that moving door parts will not catch any wires and cause damage to equipment.
- Ensure compliance with all applicable safety standards (i.e. ANSI A156.10) upon completion of installation.

The Focus presence sensor (PN: 10FOCUS or 10FOCUS2 - for recessed mounting) may be used for various applications, including but not limited to revolving doors, drive-up windows, sidelite protection for sliding doors, and industrial applications. The sensor is fully adjustable and has a relay output for easy compatibility to external devices.

ELECTROSTATIC DISCHARGE (ESD) PRECAUTIONS

Circuit board components are vulnerable to damage by electrostatic discharge (ESD). ESD can cause immediate or subtle damage to sensitive electronic parts. An electrostatic charge can build up on the human body and then discharge when you touch a board. A discharge can be produced when walking across a carpet and touching a board, for example. Before handling any board, make sure you dissipate your body's charge.

PRODUCT DESCRIPTION

DESCRIPTION	SPECIFICATION
Power Supply	24 V AC / V DC +/- 10%
Current Consumption:	On = 60 mA max. Off = 30 mA max.
Output Interface; relay	Relay; max. contact rating is 1A @ 30v (resistive)
Detection Range	0' to 8'2" (2.5 m)
Distance Adjustment	2 ft. up to 8 ft. (.61m up to 2.44m) rotating cam with linear adjustment
Detection Time	< 50 ms
Detection Signal Duration	Infinite Presence Detection
LED Indications	Green LED = Detection
Operating Temperature Range	-30° F to 140° F
PCB Dimensions	Master: 6.63" x 1.5" (168mm x 38mm)
Connection to Controller	5 conductor cable
Detection Mode	NO or NC

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- Ground yourself by touching a conductive surface of the door or other element connected to common earth ground to discharge the static electricity present in your body.
- Avoid walking around while replacing items inside the case, especially if you are on carpet or during conditions of low temperature and low humidity.
- Handle the board by the edges only to avoid touching electronic components.
- Store a loose board in an anti-static bag.

INSTALLATION & WIRING

NOTE: There are similarities and slight differences in the installation, wiring and setup of the Focus and Focus 2. These similarities and differences are noted throughout the document.

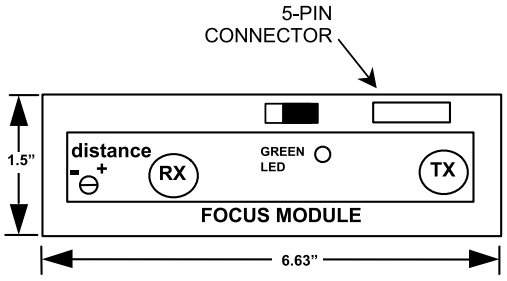
Installation of the sensor (Focus and Focus 2):

1. Remove the end-caps and lens from the sensor (Focus).
2. Drill holes in necessary locations near the ends of the extrusion (Focus).
3. Determine mounting location for the sensor (Focus and Focus 2).
4. Mount the sensor using the enclosed screws (Focus and Focus 2).

Wiring the sensor:

1. Locate the 5-pin connector on the circuit board and wire according to the drawing below (Focus and Focus 2).
2. Carefully route the harness out of the housing. The endcap has a breakaway notch if the wire is to be routed external to the sensor, otherwise, the harness can be neatly routed underneath of the endcap (Focus).
3. Replace the lens and end-caps once installed (Focus).

Wire Color	Connection
Red	N.O. Relay Contact
Black	N.C. Relay Contact
Brown	COM Relay Contact
White	24 V AC / V DC
Green	24 V AC / V DC

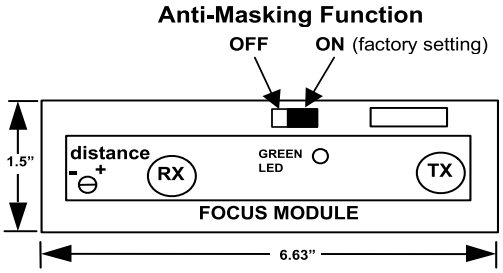


Configuring of the sensor (Focus and Focus 2):

1. The Anti-Masking Function of the sensor has 2 configurations:

-ON: detection occurs even if the receiver collects no signal (factory setting)

-OFF: no detection occurs if the receiver collects no signal



ADJUSTMENT OF DETECTION DISTANCE

CHART 1 (Distance From Face of Door at Inactive Zone Height)							
	ANGLE of PBC	0°	5°	10°	15°	20°	25°
INACTIVE DISTANCE							
8"		0	6"	12 1/2"	19 1/4"	26"	33 1/4"
12"		0	6"	12"	18"	24 1/4"	31 1/2"
16"		0	5 1/2"	11 1/4"	16 3/4"	23 1/4"	29 1/2"
20"		0	5 1/4"	10 1/2"	16"	21 1/2"	27 1/2"
		DISTANCE FROM FACE OF DOOR (X DISTANCE)					

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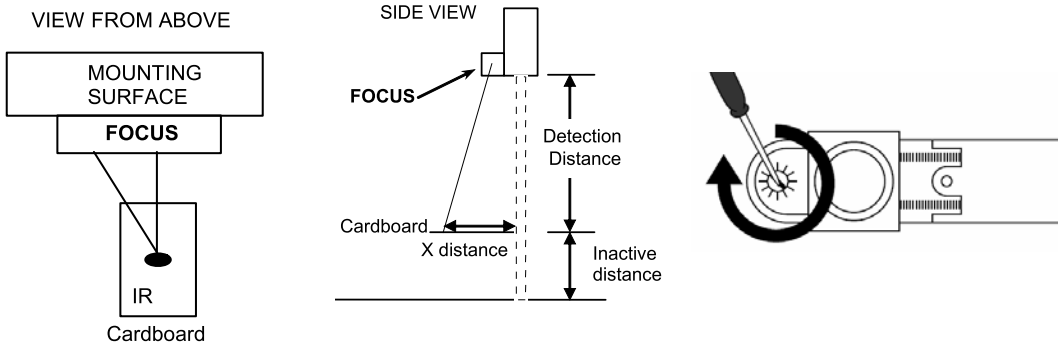


NOTE: The Focus 2 is not configured to allow angle adjustment. The Focus 2 only allows for height adjustment.

Use the procedure listed below to adjust each detector in order to obtain detection 12" to 16" above the floor (Focus and Focus 2).

1. Use a white, gray, or black piece of cardboard about 8" x 11" and hold it as shown in the above diagrams.

2. Move the cardboard from the floor upward until it is detected. This will determine the height of the inactive zone (X distance).

3. Measure the height at which the cardboard was detected.

4. If this height does not fall between 12" & 16" above the floor or does not meet your requirements, an adjustment must be made to the detection distance. The distance adjustment potentiometer is near the left side of the PCB, (opposite side of wiring connector). On the Focus 2 the adjustment potentiometer is accessible by removing one of the hole plugs located on the front face or back of the sensor.

A) If the inactive Zone is too high: Turn the distance potentiometer clockwise to increase the detection distance

B) If the inactive Zone is too low: Turn the distance potentiometer counter-clockwise to decrease the detection distance.

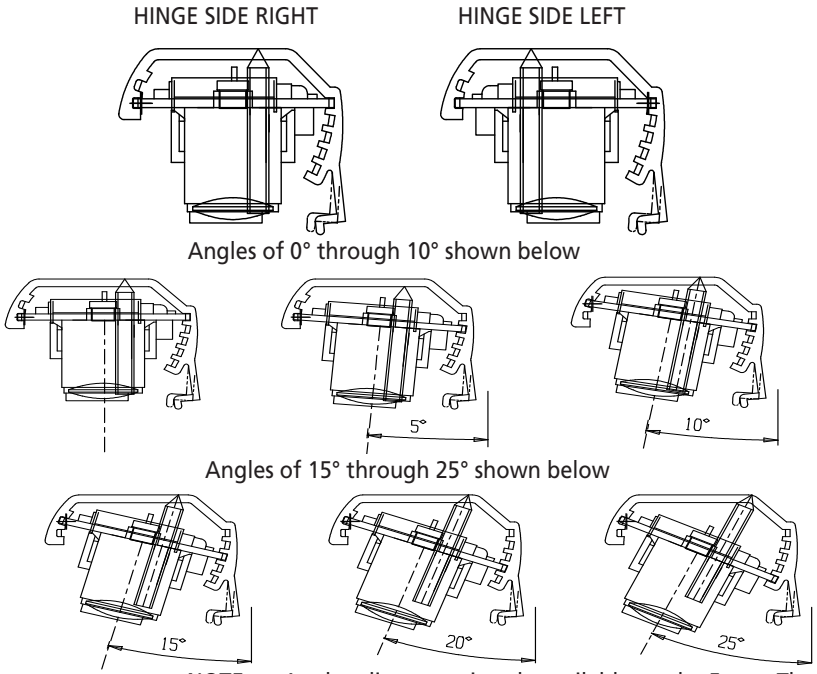
NOTE: One notch of the distance adjustment corresponds to approximately 4".

6. Repeat this procedure until the desired distance is achieved.

7. Make sure the door opens completely to ensure that the detector does not trip when there is no obstacle.

8. If there is detection, turn the distance adjustment counter-clockwise 1 to 2 notches OR change the lateral position of the module OR modify the angle adjustment of the lens.

SURFACE APPLIED MOUNTiNG ANGLES



NOTE: Angle adjustment is only available on the Focus. The Focus 2 does not allow for angle adjustment.

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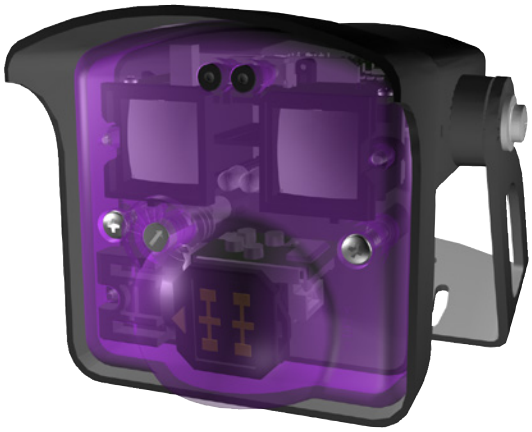
ACTIVE INFRARED PRESENCE DETECTION

IS40/IS40XL

MOTION SENSOR



PROVEN TECHNOLOGY

- Active infrared and microwave technologies work together to provide precise presence and accurate motion detection in front of the door.

SUPERIOR COVERAGE

- With up to 40 spots of infrared detection, the standard **IS40** can be mounted from 8 ft – 16 ft.
- The **IS40xl** should be used for applications with mounting heights from 6.5 ft – 11.5 ft where a wider microwave pattern is desired.

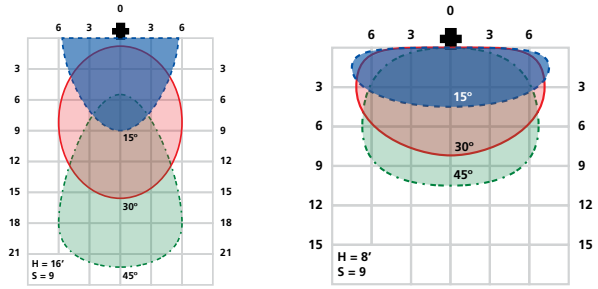
DURABILITY UNDER HARSH CONDITIONS

- The **IS40** and **IS40xl** are immune to subtle door vibrations, light, sun and environmental changes, including rain and snow.
- The **IS40** and **IS40xl** are designed with NEMA 4 and IP65 rated enclosures.

MINIMAL INSTRUCTION AND MAINTENENCE

Labor-intensive induction loops are replaced with an easy to mount overhead installation. Most adjustments can be performed using the IDC remote control.

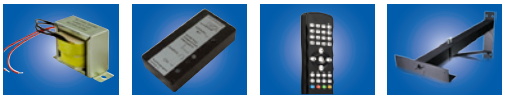
IS40/IS40XL MICROWAVE ZONES



IS40 IS40XL

RELATED PRODUCTS

IS40P G3-I Falcon Iris-I



24 VAC Transformer Spotfinder IDC Remote HD Bracket

INDUSTRIAL

The proven technology of the Falcon plus active infrared presence detection

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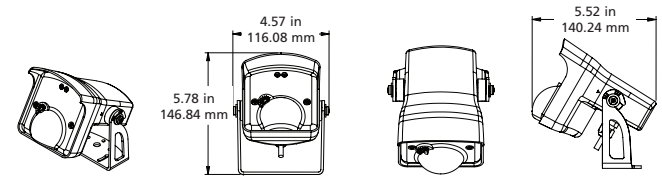
SPECIFICATIONS

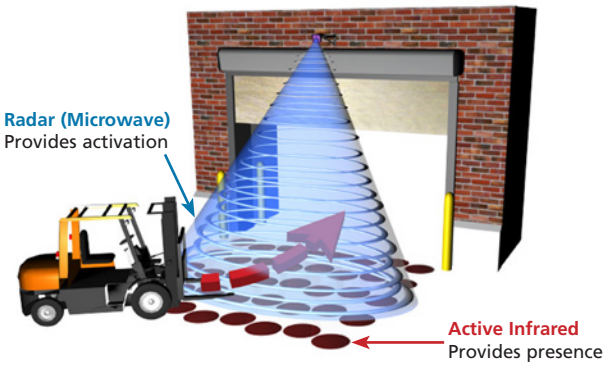
TECHNOLOGY **MICROWAVE**	*INFRARED*
DETECTION MODE **MOTION**	*PRESENCE*
OUTPUT HOLD TIME **0.5 – 9 seconds**	*0.5 seconds*
REACTION TIME **100 ms**	*250 ms*
TILT ANGLE **-8° to 22°** *(relative to front face of sensor)*	*15° to 45°*
LED INDICATOR **Green (motion)**	*Red (presence)*
RADIATED FREQUENCY **24.175 GHz**	*875 nm*
RADIATED POWER DENSITY **< 5 mW/cm²**	*< 250 mW/m²*
MINIMUM TARGET SPEED **2 in/s (5 cm/s)** **(in sensor axis)**	*0 in/s (0 cm/s)*
MOUNTING HEIGHT **IS40:** 8′ – 16′ / **IS40XL:** 6.5′ – 11.5′	
LEARN TIME 30 seconds to infinity (no learn)	
MICROWAVE DETECTION FIELD (W × D) **IS40:** 13′ × 16′ / **IS40XL:** 13′ × 6.5′	
INFRARED DETECTION FIELD **IS40:** Up to 10′ × 10′ **IS40XL:** Up to 7.5′ × 7.5′	
SUPPLY VOLTAGE 12 to 24 VAC ± 10% 12 to 24 VDC +30% / -5%	
MAIN FREQUENCY 50 to 60 Hz	
POWER CONSUMPTION < 3.5 W	
RELAY OUTPUT 2 Relays with switch-over contact (voltage free)	
MAX. VOLTAGE 60 VDC / 125 VAC	
MAX. CURRENT 1 A (resistive)	
MAX. SWITCHING POWER 30 W (DC) / 60 VA (AC)	
TEMPERATURE RANGE -22°F to 140°F *(-30°C to 60°C)*	
PROTECTION DEGREE NEMA 4 & IP65	
NORM CONFORMITY Electromagnetic compatibility (EMC) according to 2004/108/EEC, R&TTE: 1999/5/EC	
DIMENSIONS (D×W×H) 5 in × 4 in × 3.75 in	
ENCLOSURE MATERIAL / COLOR ABS / Black	
FACE MATERIAL / COLOR Polycarbonate / Purple	
CABLE LENGTH 32 ft (10 m)	

DIMENSIONAL DRAWINGS

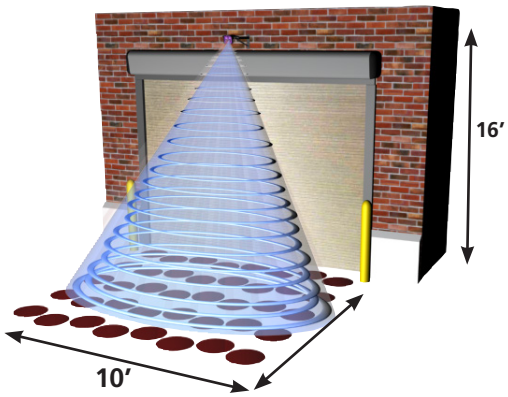


3D Perspective | Front View | Top View | Side View

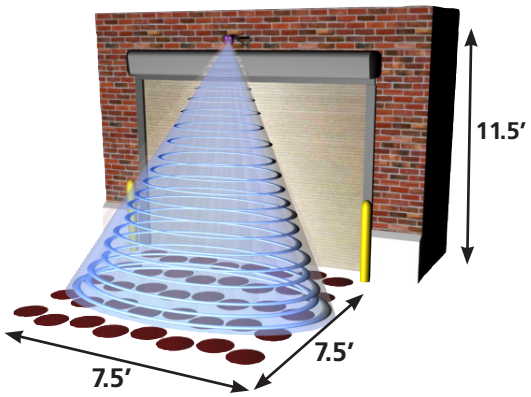
APPLICATIONS



IS40 DUAL TECHNOLOGY
Detects both objects in motion and objects at rest



IS40 ADJUSTABLE MOUNTING HEIGHTS FROM 11.5 ft – 16 ft



IS40XL ADJUSTABLE MOUNTING HEIGHTS FROM 6.5 ft – 11.5 ft

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ACTIVE INFRARED PRESENCE DETECTION

IS40P

MOTION SENSOR

SUPERIOR COVERAGE

- The IS40P has a maximum mounting height of 16 feet and a detection pattern up to 10′ × 10′

DURABILITY UNDER HARSH CONDITIONS

- The IS40P is immune to subtle door vibrations, light, sun and environmental changes, including rain and snow.
- The IS40p is designed with a NEMA 4 and IP65 rated enclosure..

DURABILITY UNDER HARSH CONDITIONS

- The **IS40** and **IS40XL** are immune to subtle door vibrations, light, sun and environmental changes, including rain and snow.
- The **IS40** and **IS40XL** are designed with NEMA 4 and IP65 rated enclosures.

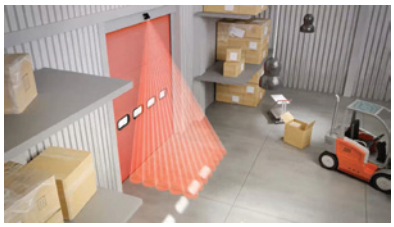
MINIMAL INSTRUCTION AND MAINTENENCE

- Labor-intensive induction loops are replaced with an easy to mount overhead installation. Most adjustments can be performed using the IDC remote control

SUITABLE FOR MOST APPLICATIONS

- The IS40P is equipped with 9 pre-programmed pattern configurations for various industrial applications.l
- Various learn time settings allow presence detection to either remain constant or ignore a motionless object after a pre-determined period of time.

IS40P INFRARED ZONE



Mounting Height
8.0′
10.0′
11.5′
13.0′
16.0′

RELATED PRODUCTS

IS40/IS40XL

SuperScan

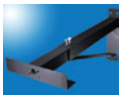
Falcon

Iris-I

24V AC Transformer

Spotfinder

IDC Remote


HD Bracket

INDUSTRIAL

Industrial presence sensor providing up to 40 spots of infrared detection

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SPECIFICATIONS

TECHNOLOGY
INFRARED

DETECTION MODE
PRESENCE

OUTPUT HOLD TIME
0.5 seconds

REACTION TIME
250 ms

TILT ANGLE
15° to 45°
(relative to front face of sensor)

LED INDICATOR
Red *(infrared)*

RADIATED FREQUENCY
875 nm

RADIATED POWER DENSITY
< 250 mW/m²

MINIMUM TARGET SPEED
0 in/s *(0 cm/s)*

MOUNTING HEIGHT
8′ to 16′

LEARN TIME
30 seconds to infinite (no learn)

DETECTION FIELD
Up to 10′ × 10′

SUPPLY VOLTAGE
12 to 24 VAC; ±10%
12 to 24 VDC; +30% / -5%

MAIN FREQUENCY
50 to 60 Hz

POWER CONSUMPTION
< 2 W

RELAY OUTPUT
2 Relays with switch-over
contact (voltage free)

- MAX. VOLTAGE
  60 VDC / 125 VAC
- MAX. CURRENT
  1 A (resistive)
- MAX. SWITCHING POWER
  30 W (DC) / 60 VA (AC)

TEMPERATURE RANGE
-22°F to 140°F *(-30°C to 60°C)*

PROTECTION DEGREE
NEMA 4 & IP65

NORM CONFORMITY Electromagnetic compatibility (EMC) according to
2004/108/EEC, R&TTE: 1999/5/EC

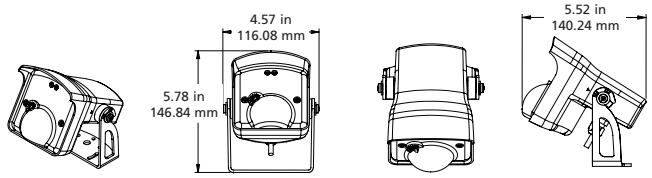
DIMENSIONS (D×W×H)
5 in × 4 in × 3.75 in
(127 mm × 102 mm × 96 mm)

ENCLOSURE MATERIAL / COLOR
ABS / Black

FACE MATERIAL / COLOR
Polycarbonate / Purple

CABLE LENGTH
32 ft (10 m)

DIMENSIONAL DRAWINGS



3D Perspective | Front View | Top View | Side View

APPLICATIONS

USING 40 SPOTS OF DETECTION
The IS40P can prevent a door from closing on an object at rest or can be used to activate a signal light.

INFRARED PRESENCE DETECTION
Detects when an object is too close to a wall or occupying a space

EASY OVERHEAD INSTALLATION
Eliminates labor intensive induction loops

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SAFETY SENSOR FOR INDUSTRIAL DOORS

LZR®–i30

LASER SCANNER

The Premium Industrial Safety Solution

FEATURES

- Cat.2/PL "C" high performance safety solution certified by TÜV for industrial doors
- High level of safety with a three–dimensional, complete presence detection area in front of the door
- Detects objects as small as 2 in.
- Alternative solution to contact edges, light beams, light curtains or any other safety solution
- Option of creating up to 2 virtual push buttons
- Reduces the possibility of collision/tampering damage due to the overhead mounting position
- Easy installation

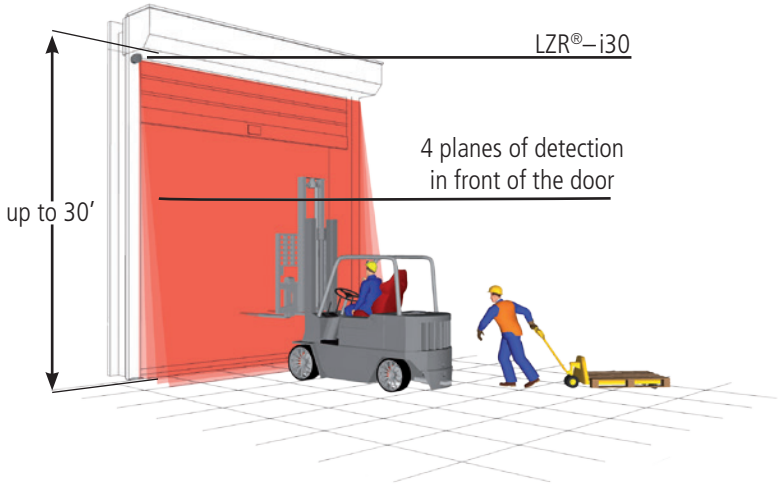
The **LZR®–i30**, works according to the principle of time of flight. It emits a light impulse and measures the amount of time it takes to receive the impulse back. This accurate technology enables the sensor to scan 4 planes in the front of the door, which helps to significantly reduce hazards within the door threshold and surrounding area.

DESIGNED FOR INDUSTRIAL ENVIRONMENTS

- Filters door vibrations and environmental interferences
- Filters door panel deformation caused by wind force
- Degree of protection: IP65 / NEMA 4
- External, Self Monitoring

LASER DETECTION

- Time of flight measurement: allows field dimensions to be customized (floor changes can be ignored)
- Maximum detection range: 30 ft × 30 ft
- Minimum object detection size: 2 in



EASE OF INSTALLATION

- 3 visible LASER beams show the LASER safety field position
- Automatic teach–in of safety field dimensions
- Safety field depth adjustment through deactivation of curtains

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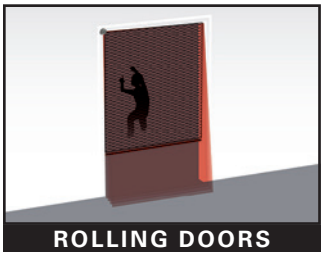

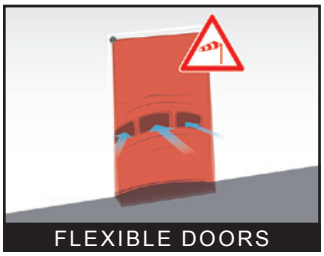

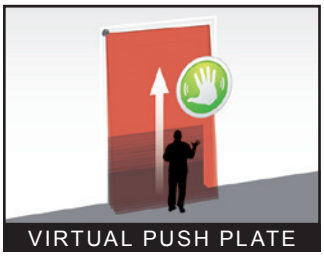

TECHNICAL SPECIFICATIONS

Technology	LASER scanner, time-of-flight measurement
Detection Mode	Presence (EN 12453 Typ. E)
Max. Detection Range	30 ft × 30 ft
Remission Factor	> 2%
Emission Characteristics IR LASER Red Visible LASER	 Wavelength 905nm; maximum output pulse power 75W Wavelength 650nm; maximum output CW power 3mW
Supply Voltage	12 – 35 VDC @ Sensor Terminal
Peak Current at Power-On	1.8 A (Max. 80 ms @ 35 V)
Power Consumption	< 5W
Response Time	Min 20ms; Max 80ms
Output Max. Switching Voltage Max. Switching Current	2 electronic relays (galvanic isolated – polarity free) 35V DC / 24V AC 80 mA (resistive)
LED-Signal	1 Blue LED: Status « Power–on » 1 Orange LED: Status « Error » 2 Bi-colored LEDs: Status « Detection / Output »
Dimensions (W×L×H)	4.92 in × 3.66 in × 2.76 in (With Mounting Bracket + ½") / Cable Length 30 ft
Material	PC/ASA
Color	Black
Rotation Angle on Bracket	±5° (Lockable)
Tilt Angle on Bracket	±3°
Degree of Protection	IP65 / NEMA 4
Temperature Range	-22°F to +140°F if powered
Humidity	0–95% non-condensant
Vibrations	< 2G
Pollution on Front Screens	Max. 30% ; Homogenous
Cut Target	< 11.81 in × 7.87 in × 27.56 in @ 23 ft (EN 12445 testbody A)
Norm Conformity	2006/95/EC: LVD; 2002/95/EC : RoHS; EN 60825-1; EN 61000-6-1: EMC-Commercial Level; EN 61000-6-2: EMC - Industrial level; 9.9 < 1999/5/EC : R&TTE; 2004/108/EEC: EMC ; 2006/42/EC: MD EN 60950-1; EN 60529; IEC 60825; EN ISO 13849-1Performance Level "c", CAT 2; EN 12445; EN 12453 Typ E

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INDUCTION LOOP DETECTORS

MATRIX

SINGLE & DOUBLE

COMPACT SAFETY SYSTEM

The Matrix is a series of single or double digital inductive loop detectors for vehicle access control and safety for doors, gates, and numerous other applications. High performance features include automatic sensitivity boost, presence and pulse output selection and four frequency settings.

FEATURES

- The Matrix is available in multiple models to accommodate nearly any application.
- Available in single and double channel mode, with power supply configurations of 110 VAC or 12–24 V AC/DC.
- Compatible with most door and gate control applications
- Matrix detectors come in a compact housing with connection through an industrial 11-pin standard connector.
- Settings such as sensitivity and presence time are adjusted via potentiometers, so wide ranges and precise adjustments are made easy.

GATE OPENING AND SAFETY

- Activates and/or holds open a gate as soon as a vehicle enters or remains in its field of detection

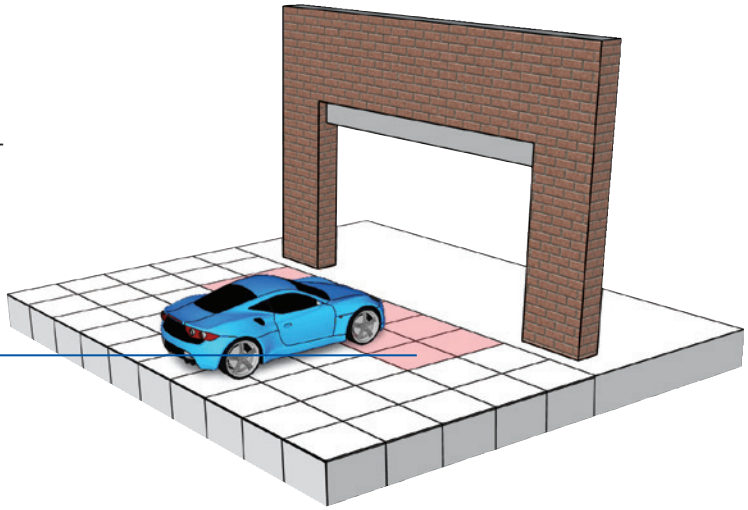
INDUSTRIAL APPLICATIONS

- Activates and/or holds open an industrial door/gate as soon as a vehicle enters or remains in detection

PRODUCT FEATURES

- Potentiometers allow for fine tuning sensitivity and presence learn time
- Detection is not affected by long-term occupation of the loop
- Remembers settings upon power loss
- Separate sensitivity settings for dual channel Matrix D
- Automatic sensitivity boost to track the presence of high-bed vehicles
- Selection of presence and pulse outputs for additional functions

DIGITAL INDUCTION LOOPS



Matrix Sensing Field

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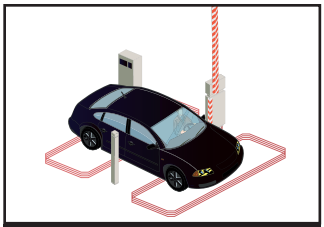
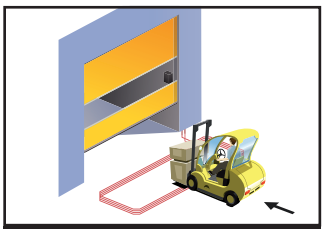


BARRIER ARMS

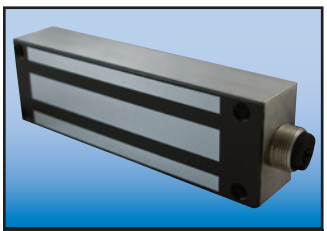


INDUSTRIAL DOORS

SLIDING GATES

APPLICATIONS

MATRIX HARNESS



GATELOCKS

RELATED PRODUCTS

TECHNICAL SPECIFICATIONS

Technology	Digital Inductive Loop
Tuning	Automatic
Detection Mode	Presence
Presence Time	1 min to infinity (Permanent Presence) with 250 steps.
Pulse Time Output	100 ms or 500 ms
Inductance Range	20 µH – 1000 µH
Loop Frequency Range	20 KHz – 130 KHz
Frequency Steps	4 for single loop / 2 for dual loop (for each loop)
Sensitivity (DL/L)	0.005% – 0.5% with 250 steps
Reaction Time (each loop)	Single Channel : 25 ms / Dual Channel : 50 ms
Setup Time at Power-on	8 seconds Max. by channel
Setup Time After Configuration	2 seconds Max. by channel
Power Supply	12 – 24 AC/DC ± 10% 115 VAC ± 10%
Power Supply Frequency Range	48 – 62 Hz
Power Consumption	< 2.5W
Temperature Range	–22°F to +158°F (–30°C to +70°C)
Degree of Protection	IP40
2 Output Relays	Max. contact voltage: 230 VAC (Free potential change-over contact) Max. contact current: 5A (resistive)
LED Indicators	1 Green = Power On 1 Red = Channel Status 1 1 Red = Channel Status 2
Protections	Loop insulation transformer / Zener diodes / Gas discharge clamping
Connections	Standard 11-pin round connector 86CP11
Dimensions (WxHxD)	1 5/8" x 3" x 3"
Weight	< 7 oz.
Immunity	Electromagnetic Compatibility (EMC) according to 89/336/EEC and amendments.
Compliance	UL, CE, FCC

Specifications are subject to change without prior notice.

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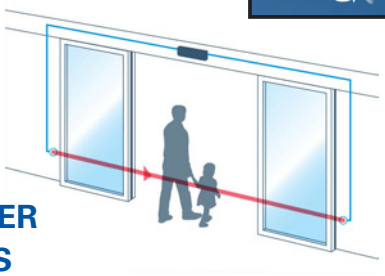
MINIATURE PHOTO ELECTRIC

OS-12C T

SAFETY BEAM

FOR SWING DOOR



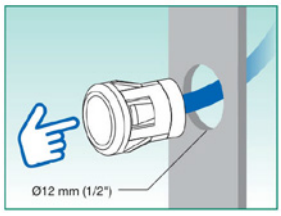
Complies with new ANSI standard

EASY-TO-INSTALL AMPLIFIER UNIT AND SENSOR HEADS

The Optex 0S-12C T amplifier has screwless wiring terminals, which realizes quick installation. Pressing the "Teach-In" button automatically sets the proper sensitivity and self-corrects crossed cables. One amplifier operates one or two pairs of sensor heads.

Teach-in button

One push installation sensor head



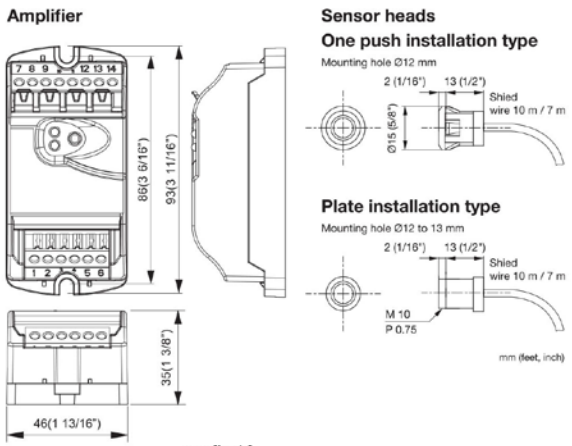
SINGLE BEAMS TYPE: UP TO 32' 10"

The Optex OS-12C T active infrared safety beam system is compatible with any type of automatic door. Its amplifier and sensor heads are designed for fast, simple installation while maintaining the hightest standards of safety and reliability.

MONITORING CAPABILITY

OS-12C T has built-in "monitoring capability". OS-12C T monitors all its critical functions and notifies compatible controls when an error occurs.

Self-monitoring capability ensures a higher level of performance over the life of the sensor.



mm[inch]

Options

Mounting plate (Silver)
PP-S (2pcs)

Sensor head unit
SH-7MC : 7 m
SH-10MC :10 m

Sensor head holder (Black/Gray)
OS-BH (2pcs)

One push outer plate
PO-C (2pcs)

SPECIFICATIONS

Model	OS-12CT
Installation distance	Less than 10 m (32' 10")
Detection method	Point to point near infrared light beam
Power supply	12 to24 VAC/12 to30 VDC
Current draw	160 mA Max.
Operating indicator	BEAM1 / BEAM2 Stand-by: Green ON / Red ON Detection Active: Green OFF / Red OFF Insufficient sensitivity : Green Blink / Red Blink Test input error: Simultaneous twice Blinking(Red & Green)
Test input	Opto coupler Voltage 5 to 30 V DC Current 6 mA Max.(30 V DC
Safety 0utput (Initial setting)	50 V 0.3 A (resistance load) - N.O./N.C. Switchable
Response time	Approx. 0.1 sec. (from the moment of beam cut-off)
Relay hold time	Approx. 0.5 sec.
Operating temperature	-20 to +55°C (-4 to +131°F)
Weight	Amplifier 63 g (2.2 oz)
Component	1 Amplifier, 2 Mounting screws, 1 Manual (Sensor heads units are required for operation, sold separately)

Note : OS-12C T amplifier can operate with 1 or 2 pairs of sensor heads.
Note : The specifications herein are subject to change without prior notice due to improvements.

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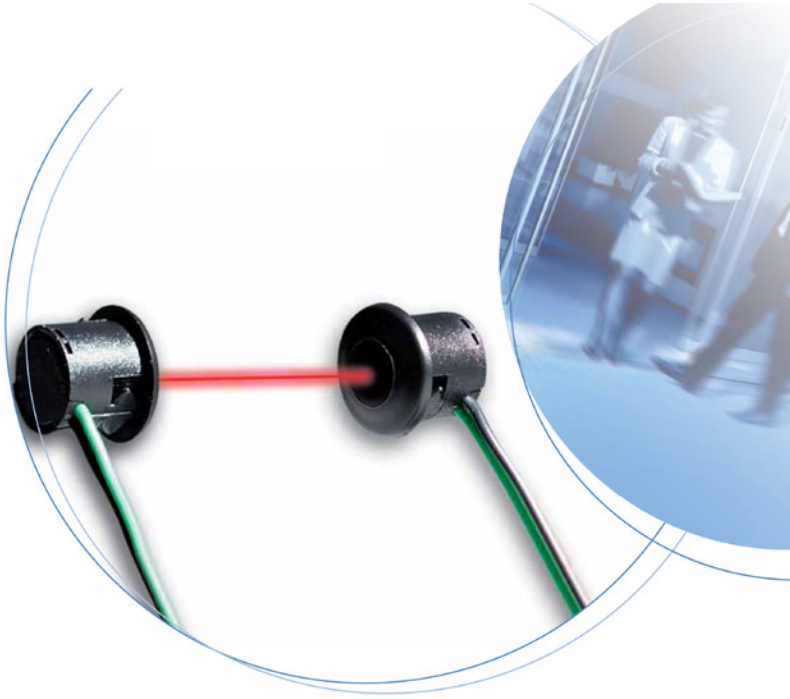
SAFETY FOR AUTOMATIC DOORS

MICROCELL



FEATURES

The Microcell range is designed for the safety of pedestrian doors and is featured by a flexibility and an easiness for universal installations :

- Reduced size for easy fittings in most of door profiles
- Enables a mounting very close to the floor (20 cm - 40 cm), as well as an important range (5 m - 10 m) and can be lightly out of alignment
- Protected against short time wrong connections and immuned to the ambient light (sunlight or artificial lighting)
- Totally immune to interference and complies with the European standards 89/336/EEC
- Microcell Two complies with ESC standards, and with the French
- Ministerial Order on automatic doors in the workplace
- Microcell Three complies with the German directive ZH 1/494 on
- Windows and doors activated by external energy sources
- Plug supplied with a special sleeve that prevents from moisture problems

Infrared barrier composed by an emitter and a receiver in cylindrical heads

The small-sized infrared beams that can be discreetly fitted into the profiles of single or double doors and which can also be used for specific applications (railways, security entrances, etc.).

THE MICROCELL RANGE IS AVAILABLE IN SEVERAL VERSIONS :

- **Microcell One:** barrier composed by plug-in cylindrical heads with a 5 m cable and a control box with one relay
- **Microcell Two:** barrier composed by plug-in cylindrical heads with a 5 m cable and a control box with two relays
- **Microcell Three:** barrier composed by plug-in cylindrical heads with a 5 m cable and a monitored control box with transistor output

Notes :

- The Microcell range is available either in single (-S) or in double beam version (-D) an optional 10 m cable (-L) is also available

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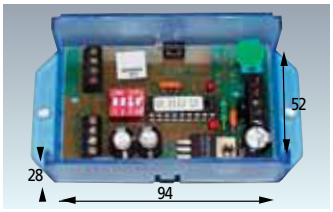
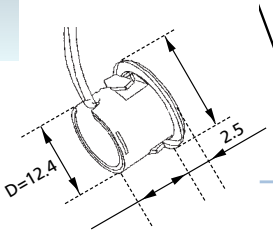
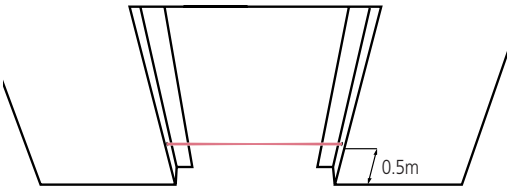


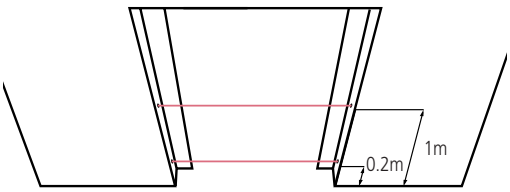
Dimensions



Sensing fields



Single beam



Double beam

Accessory

MMA : surface mounting set

Technical specifications

Technology	active infrared, microprocessor
Mounting height	min. 0.2 m above the floor
Distance between beams	min. 0.3 m (crossed beams)
Distance in relation to the door plane	2 cm
Minimum range	1 m
Maximum range	5 m - for min. mounting height of 0.2 m 10 m - for min. mounting height of 0.4 m
Half-opening angle of the beam	8°
Detection mode	presence (beam interruption)
Response time	
• transistor output (Microcell Three)	≤ 10 ms (setting or interruption of the beam)
• relay output (Microcell One and Two)	≤ 40 ms
Hold time	
• relay output (Microcell One and Two)	300 ms
Supply voltage (Microcell One and Two)	12-24 V AC ±10% - 12-24 V DC –5/+30%
(Microcell Three)	12-24 V DC –5/+20%
Current consumption	< 100 mA
Output (Microcell One and Two)	1 or 2 relays (free potential contact)
• relay contact ratings (max. voltage)	50 V DC / 50 V AC
• relay contact ratings (max. current)	1 A (resistive)
• maximum switching power	30 W (DC) / 50 VA (AC)
Output (Microcell Three)	open collector transistor (NPN or PNP)
• relay contact ratings (max. voltage)	30 V DC
• relay contact ratings (max. current)	20 mA
• voltage drop	< 2 V at 20 mA
Signal	1 LED per barrier
Adjustment	
(by dip-switch - Microcell One and Two)	single / double barrier standard / inverted outputs reduced / nominal range test position
Adjustment (by dip-switch - Microcell Three)	NPN / PNP outputs normal / inverted outputs reduced range B / nominal range B reduced range A / nominal range A
Temperature range	–20°C to +55°C
Immunity	
• sunlight	75000 lux
• incandescent lamp	25000 lux at 8° angle
• electromagnetic compatibility	according to 89/336/EEC
Waterproof heads	IP 65 (DIN 40050)
Dimensions	
• heads	housing : 10 mm (built-in) x 12.4 mm (diameter) collar : diameter 15.6 mm
• control box	94 mm (L) x 52 mm (W) x 28 mm (H)
Cable length	5 m (10 m optional)
Weight	
• emitter	0.140 Kg (5 m) / 0.270 kg (10 m)
• receiver	0.140 Kg (5 m) / 0.270 kg (10 m)
• control box	0.060 Kg
Material	ABS
Housing color	blue transparent

Application

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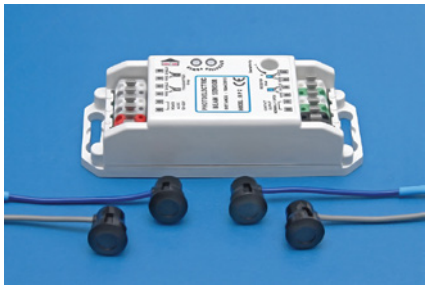
MODULAR SAFETY BEAM SYSTEM

AccuGuard HP2



PRODUCT DESCRIPTION

The AccuGuard HP2 is an active infrared 2-beam safety system. This modular system consists of a separate Control Module, two Transmitter Beam Heads with cables and two Receiver Beam Heads with cables. The beam heads are available for recess mounting and can be ordered with surface mount housings (HP2-SURFACE).

When a beam is interrupted, the Control Module signals the door to open. In the event of a power loss to the AccuGuard HP2, it will also signal the door to open, thus providing a failsafe system.

The AccuGuard HP2 can be used in both new and retrofit installations with minimal door preparation. The beam heads are available for recess mounting into a 1/2" diameter hole or for surface mounting to any surface. Wiring instructions are printed on the control module housing and the software provides automatic set up.

Meet ANSI A156.10 safety requirements for automatic sliding doors by installing a HP2-SURFACE on the sliding door panel side of the entrance and a HP2 on the fixed sidelight side of the entrance.

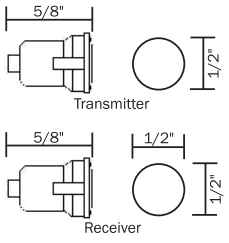
TECHNICAL DATA

- Intelligent Control Module automatically programs itself for one or two beam sets (two sets come with unit)
- Microprocessor controlled tominimize interference with other equipment or voltage oscillations
- Several units can be used inclose proximity to each other
- Fuse protected and compact
- Automatic beam sensitivity adjustment on openings 36" and wider
- Independent sensitivity adjustment for each beam at the control module on openings less than 36"
- Beam range 0-16 ft.
- Excellent resistance to naturaland artificial light sources, water and humidity
- No false activation from rain or insects
- Beam head cables are plug able allowing for easy replacement
- Wire connections at the control module are external screw-type terminals
- Cables are color coded: transmitter=gray, receiver=blue

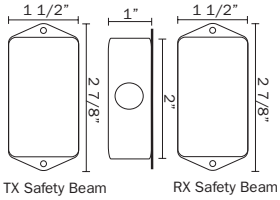
SPECIFICATIONS

Model	HP2 & HP2-SURFACE
Detection Method	Active Infrared Beam Interrupt
Detection Range	6 to 32 feet
Power Requirements	12V to 24V AC or DC (No Polarity Requirements)
Light Resistance	Sun—150,000 LUX Artificial—50,000 LUX
Power Consumption	Standby 75mA, Active 100mA
Relay Contacts	Form C Contacts Rated @ 1 Amp (Resistive Loads Only)
Relay Activation Time	10 ms
Relay Hold Time	500 ms
Current Consumption	50mA @ 24V DC
Power Consumption	<1W
Relay Outputs	Main relay and vehicle relay, selectable to N.O. or N.C. via programming
Hold Time	Adjustable, 0.2 to 5 Seconds
Status LED	Solid Red = Beam Continuity Flashing Red = Beam Interrupt
Temperature	-4°F to 140°F (-20°C to 60°C)
Mounting	
Control Module:	Any Available Door Header Space
Recessed Mount Beam Heads:	1/2" Dia. Hole, 1" Deep
Surface Mount Beam Heads:	Any Available Surface

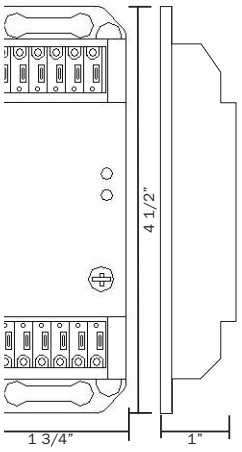
Beam Heads–Recess Mount



Beam Heads—Surface Mount



Control Module



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SURFACE MOUNT SAFETY BEAM

AccuGuard GD11S

PRODUCT DESCRIPTION

The GD11S is a self-contained surface mount active infrared safety beam system for interior or exterior use on any automatic pedestrian door, industrial door or gate.

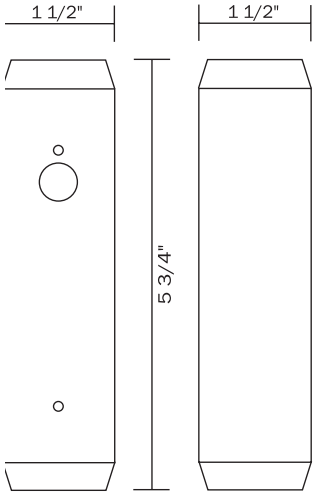
When the infrared beam is interrupted, the GD11S' relay output signals an industrial door or gate control to open, stop or reverse. On pedestrian swing doors, the GD11S is mounted on the guide rails. When the door is closing and the overhead safety sensor is locked out, interrupting the GD11S beam will bring this sensor protecting the swing side of the door back into the safety circuit thus inhibiting the door from reopening. This is now a requirement of ANSI A156.10 2005.

In the event of a power loss to the GD11S, the relay changes state (failsafe). The GD11S can be ordered with the GDB quick mounting brackets for easy installation on industrial doors and gates. side of the entrance and a HP2 on the fixed sidelight side of the entrance.

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

GDB BRACKET

Ordering Options:
GD11-GDB (Includes GD11S & GDB)
GD11S Only
GDB Only



TECHNICAL DATA

- Economical
- Easy To Install and Maintain
- Simple To Align
- 12V To 24V AC or DC Operation
- Pulsed IR Emitter For High Immunity To Ambient Light
- Built-In Time Delay
- Weather Resistant Enclosure
- Rugged Construction
- Quick Mount GDB Bracket Available

SPECIFICATIONS

Model	GD11S
Physical Dimensions	5 3/4"L x 1 1/2"W x 1 1/2"D
Detection Method	Active Infrared Beam Interrupt
Detection Range	0 to 40 feet
Power Requirements	12V to 24V AC or DC
Current Draw	RX 75mA @ 12V DC TX 60mA @ 12V DC RX 100mA @ 24V DC TX 60mA @ 24V DC
Power Consumption	RX 2.4 Watts Max. @ 24V DC TX 1.5 Watts Max. @ 24V DC
Relay Contacts	Form C Contacts Rated @ 1 Amp
Relay Activation Time	0.05 seconds
Relay Hold Time	0.5 to 5.0 sec
Temperature	0°F to 140°F (-18°C to 60°C)

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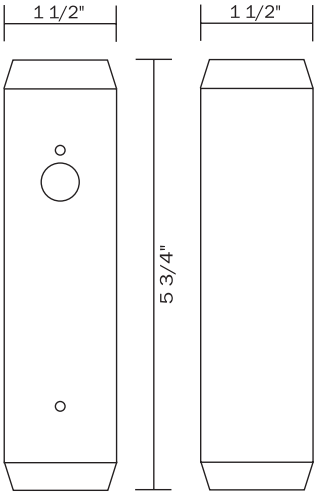
RECESS MOUNT SAFETY BEAM

AccuGuard DB11



PRODUCT DESCRIPTION

The DB11 is a self-contained recess mount active infrared safety beam system for use on any automatic door.

When the infrared beam is interrupted, the DB11's relay output signals an automatic sliding door control to open or reverse when closing. The DB11 can be recess mounted into tubular guide rails on pedestrian swing doors. When the door is closing and the overhead safety sensor is locked out, interrupting the DB11 beam will bring this sensor protecting the swing side of the door back into the safety circuit thus inhibiting the door from reopening. This is now a requirement of ANSI A156.10 2005.

In the event of a power loss to the DB11, the relay changes state (failsafe).

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

TECHNICAL DATA

- 12V to 24V AC or DC Operation
- Pulsed IR Emitter For High Immunity To Ambient Light
- Form C Relay (N.O. or N.C.)
- Recessed (Flush) Mounting
- Variable Time Delay
- Easy To Align
- Molex Connectors Provided For Easy Wiring

SPECIFICATIONS

Model	DB11
Physical Dimensions	5"L x 1 1/2"W x 1 1/2"D
Detection Method	Active Infrared Beam Interrupt
Detection Range	0 to 40 feet
Power Requirements	12V to 24V AC or DC
Current Draw	RX 75mA @ 12V DC TX 60mA @ 12V DC RX 100mA @ 24V DC TX 60mA @ 24V DC
Power Consumption	RX 2.4 Watts Max. @ 24V DC TX 1.5 Watts Max. @ 24V DC
Relay Contacts	Form C Contacts Rated @ 1 Amp
Relay Activation Time	0.05 seconds
Relay Hold Time	0.5 to 5.0 sec
Temperature	0°F to 140°F (-18°C to 60°C)

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MICROCELL BEAM • DAMAGE PREVENTION

FLEX IR

FLEXABLE • UV-RESISTANT

WATERPROOF ACCESSORY AVAILABLE

DAMAGE RESISTANT

- Flexible mounting bracket prevents the Microcell beam system from damage when installed in industrial applications.
- Flexible, UV-resistant material prevents damage to the beam heads, optimizing safety and reliability.

NEMA 4 RATING

- Kits are also available which include the Flex IR, Microcell beam sets and sealed mounting boxes (suitable for exposure to wet and harsh conditions).

ADAPTABLE

- The bracket can be installed in a parallel or perpendicular position to the mounting surface, allowing optimal flexibility for different applications.

SERVICE FRIENDLY

- The Flex IR is built to withstand various conditions should accidents occur. If struck, the Flex IR will bend and flex back into position reducing service calls.

RELATED PRODUCTS

Br3

Falcon

IS40

IXIO-DT1

Eagle HM

SuperScan Industrial

INDUSTRIAL

Microcell Beam
Damage Prevention

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SPECIFICATIONS

Materials:
Flexible Beam Holder
Silicone

Mounting Brack
Galvanized Steel

Button Plug
ABS and Lexan

Screws
18/8 Stainless Steel

Installation Height
See Mechanical Installation Instructions in User's Guide

Operating Temperature
-30° to + 131° F

Minimum Distance between pairs of beams
12" (304.8mm)
(beams must not be crossed)

Range of Detection:
Minimum
3' (1 m)

Maximum
16.5' (5m) if mounted
8" (0.2m) above ground

33' (10m) if mounted
16" (0.4m) above ground

Minimum Distance from Plane of Door
1" (25.4mm)

Alignment Tolerance
8°

Housing color
Black

Dimensions
6" x 1¾" x 2¾"
(150mm x 45mm x 70mm)

Degree of protection:
With Mounting Box
NEMA 4

PRODUCT FAMILY

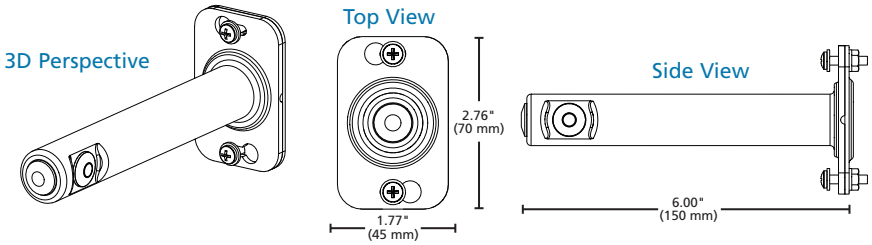
10FLEXIR
Flexible mounting brackets for BEA Microcell safety beam system — (2) Flex IR brackets are included per set

10FLEXIRN4
(1) 10FLEXIR bracket set, (1) 10MICROCELL1S single beam set, and (2) NEMA 4 boxes

10FLEXIRN4DL
(2) 10FLEXIR bracket sets, (2) 10MICROCELL1D double beam sets, and (4) NEMA 4 boxes

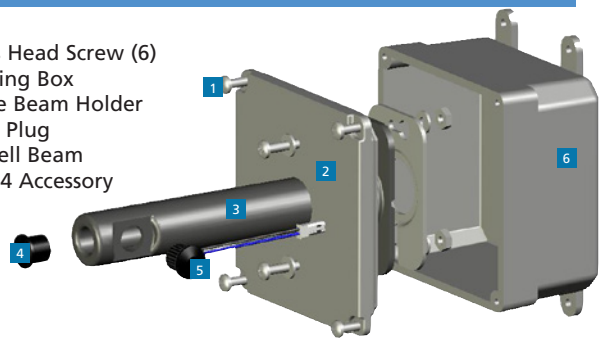
10FLEXIRKIT
Includes (1) 10FLEXIR bracket set and (1) 10MICROCELL1S single beam set

DIMENSIONAL DRAWINGS



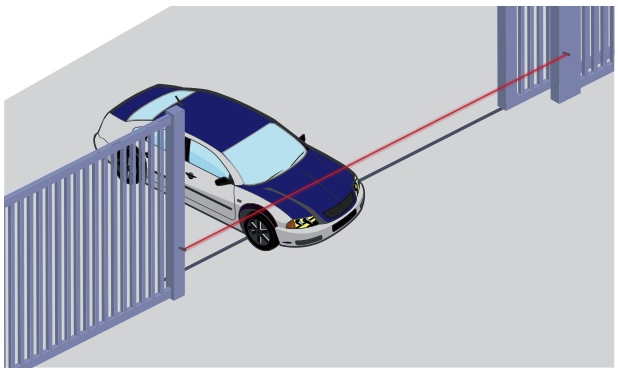
COMPONENTS

1. Phillips Head Screw (6)
2. Mounting Box
3. Flexible Beam Holder
4. Button Plug
5. Microcell Beam
6. NEMA 4 Accessory



APPLICATIONS

- Flex IR protects the Microcell against blunt hits from tractor trailers, forklifts, or heavy objects in the industrial setting.



- The flexible housing protects the Microcell from damage in the event that it is struck by a vehicle.

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R2E-100

ENHANCED DOOR SECURITY

FEATURES

- Adjustable defined pattern creates a safer, more secure door
- Creates a secure detection zone from door jamb to lever handle
- Low profile sensor mounts on or above the door frame
- Multiple relocking modes for timed or door position conditions
- Relay output consists of two Form "C" contacts for NO / NC wiring
- Adjustable, built-in audible alarm denotes activation – Can be deactivated
- 3 DRY auxiliary inputs: request to exit, card reader or push button

The R2E-100 is an active infrared, request-to-exit detector specifically designed for access control applications where maximum protection is required. The active infrared pattern is focused in front of and above the door lever handle to greatly reduce unauthorized entry.

R2E-100 DETAILS

COMPETITIVE EXAMPLE

Focuses On Door Hardware Only

Ignores Parallel Cross-Traffic

Not Affected By Typical PIR Invasion Techiques

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- Ground yourself by touching a conductive surface of the door or other element connected to common earth ground to discharge the static electricity present in your body.
- Avoid walking around while replacing items inside the case, especially if you are on carpet or during conditions of low temperature and low humidity.
- Handle the board by the edges only to avoid touching electronic components.
- Store a loose board in an anti-static bag.

INSTALLATION & WIRING

NOTE: There are similarities and slight differences in the installation, wiring and setup of the Focus and Focus 2. These similarities and differences are noted throughout the document.

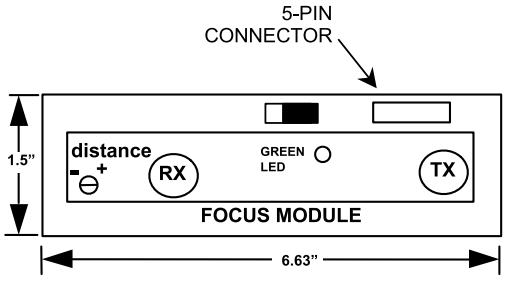
Installation of the sensor (Focus and Focus 2):

1. Remove the end-caps and lens from the sensor (Focus).
2. Drill holes in necessary locations near the ends of the extrusion (Focus).
3. Determine mounting location for the sensor (Focus and Focus 2).
4. Mount the sensor using the enclosed screws (Focus and Focus 2).

Wiring the sensor:

1. Locate the 5-pin connector on the circuit board and wire according to the drawing below (Focus and Focus 2).
2. Carefully route the harness out of the housing. The endcap has a breakaway notch if the wire is to be routed external to the sensor, otherwise, the harness can be neatly routed underneath of the endcap (Focus).
3. Replace the lens and end-caps once installed (Focus).

Wire Color	Connection
Red	N.O. Relay Contact
Black	N.C. Relay Contact
Brown	COM Relay Contact
White	24 V AC / V DC
Green	24 V AC / V DC

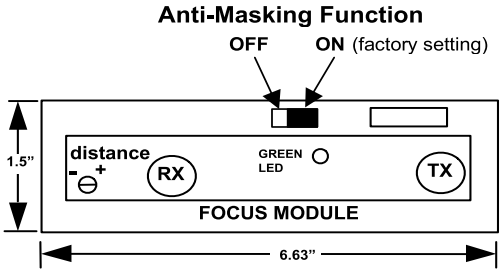


Configuring of the sensor (Focus and Focus 2):

1. The Anti-Masking Function of the sensor has 2 configurations:

-ON: detection occurs even if the receiver collects no signal (factory setting)

-OFF: no detection occurs if the receiver collects no signal



ADJUSTMENT OF DETECTION DISTANCE

CHART 1 (Distance From Face of Door at Inactive Zone Height)							
	ANGLE of PBC	0°	5°	10°	15°	20°	25°
INACTIVE DISTANCE							
8"		0	6"	12 1/2"	19 1/4"	26"	33 1/4"
12"		0	6"	12"	18"	24 1/4"	31 1/2"
16"		0	5 1/2"	11 1/4"	16 3/4"	23 1/4"	29 1/2"
20"		0	5 1/4"	10 1/2"	16"	21 1/2"	27 1/2"
		DISTANCE FROM FACE OF DOOR (X DISTANCE)					

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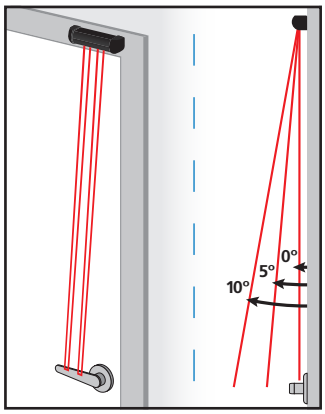
APPLICATIONS

REQUEST TO EXIT

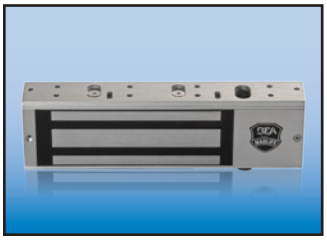
HEALTHCARE

DETECTION ZONES



FRONT & SIDE VIEW

RELATED PRODUCTS



MAGLOCKS

COMPETITIVE ANALYSIS

Feature	R2E-100	Brand B	Brand K
Technology	Focused Active Infrared (State of the Art Technology)	Diffused Passive Infrared	Diffused Passive Infrared
Parallel Traffic Rejection	YES (Minimizes False Detections)	NO	NO
Detection Zone Adjustment	YES – Potentiometer Tuning (Improved Accuracy)	NO Plastic wedge placement	NO Louver direction screws
Built-in surge protection	YES – Provided in the Sensor (Electrical Spike Protection)	NO Must provide your own	YES Provided in the sensor
Fully Adjustable Relay Hold Time	YES – Potentiometer 0 – 60 s (Accurate Adjustability)	NO Multiple DIP settings	NO Multiple DIP settings
Wire Harness Included	YES (Simplified Installation)	NO	NO
Simple Feature Selection	YES – Individual DIP switches (Uncomplicated Setup)	NO Combination of DIP switches	YES Limited features
Relay Mode	YES (Access Control Ready)	YES	NO
Audible Alarm	YES – Adjustable Volume (Secure Door-Remote Monitor)	YES Adjustable Volume	YES Not Adjustable

TECHNICAL SPECIFICATIONS

Detector Type	Focused Active Infrared
Supply Voltage	12 to 24 VAC/VDC; ±10% @ 60 Hz
Current Sounder OFF Sounder MAXIMUM	 155 mA 200 mA
Temperature (UL Install)	+32°F to +120°F
Temperature	–20°F to +120°F
Humidity (UL Install)	0% to 85%
Humidity (non-condensing)	0% to 93%
Relay	2 Form "C" contact sets; 1.3 A @ 24 VAC / 30 VDC
Hold Time	0.5 to 60 seconds
DRY Exit Input	Normally Open (I/O via DIP)
DRY Card Reader Input	Normally Closed (I/O via DIP)
DRY DPS Input	Normally Open (I/O via DIP)
Adjustable Detection Zone	Vertical: 20 to 48 inches Depth Angle: 0°, 5°, or 10° from face of the door
Dimensions (L x W x H)	6⅞" x 2" x 1⅞"
Material	Plastic (ABS & PC)
Wiring Interface	JST (14 Pin) with 4 ft Cable
Certifications	UL 294 / ULC 5319 FCC Part B

Specifications are subject to change without prior notice.

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ACTIVE INFRARED SENSOR

SUPERSCAN

INDUSTRIAL

Precise Detection For Industrial Applications

FEATURES

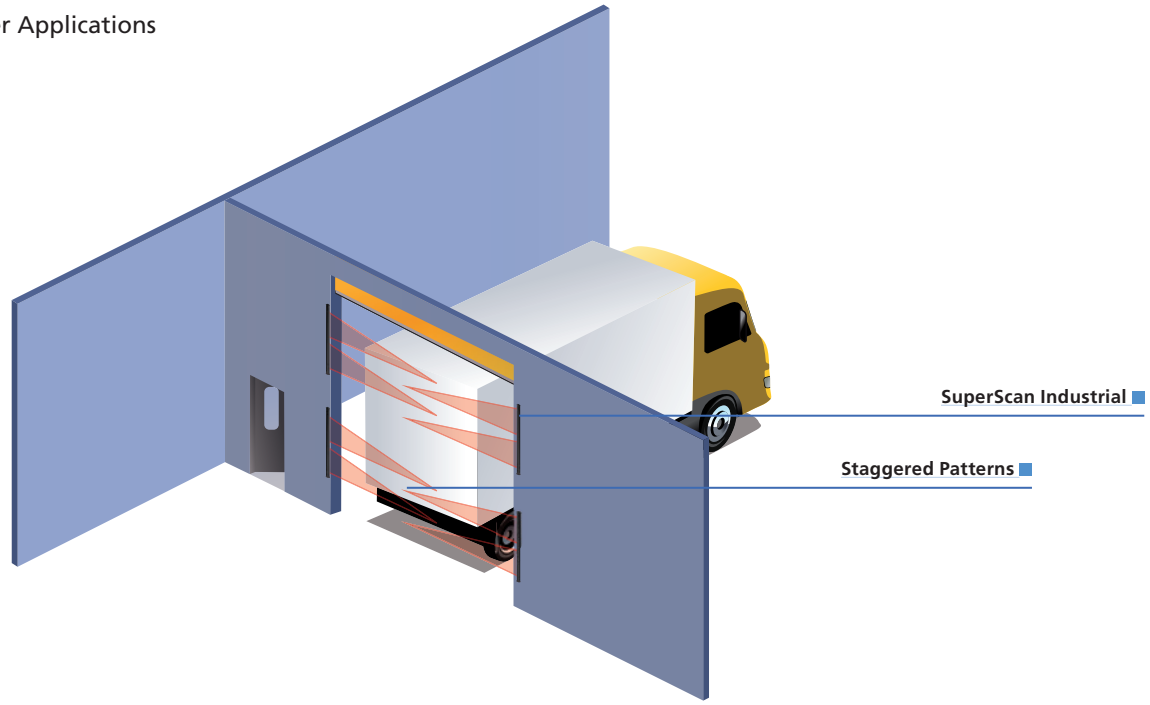
- A focused pattern may be ideal for many applications where increased safety and/or functionality is needed
- Adjustable detection range from 2 to 12 feet
- Background elements, such as texture, color or reflectivity do not effect detection sensitivity
- Single unit emitter and receiver in the same module
- Adjustable to various angles for unique applications; adjustable detection angle in 5-degree increments

APPLICATIONS

- High-Speed Roll-Up Doors
- Industrial Swinging, Sliding & Bi-folding Doors
- Swinging & Sliding Gates
- Barrier Arm Safety
- Material Handling Applications
- Off-Door Applications (i.e. Light Activation)
- RFID Applications
- Conveyer Applications

Distance Measuring Technology

The SUPERSCAN is a presence sensor that uses distance measuring technology to project focused active infrared patterns which can be used for activation, safety and reactivation on industrial door, gate and RFID applications.



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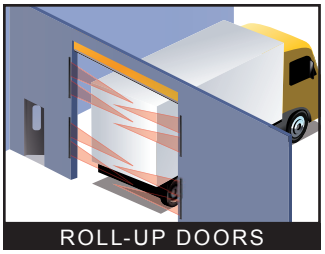
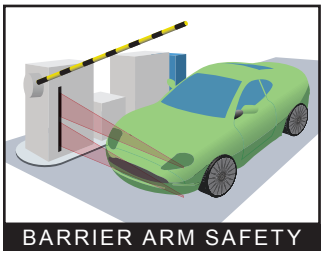
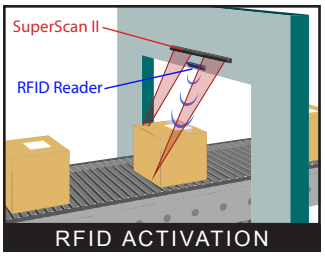
APPLICATIONS

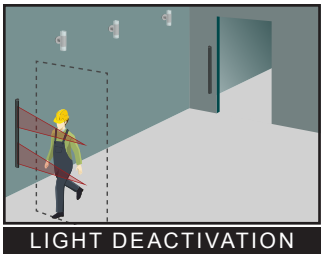

ROLL-UP DOORS


BARRIER ARM SAFETY

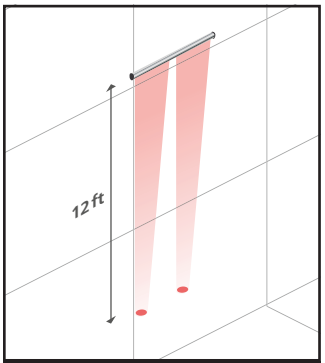


RFID ACTIVATION

LIGHT ACTIVATION


LIGHT DEACTIVATION

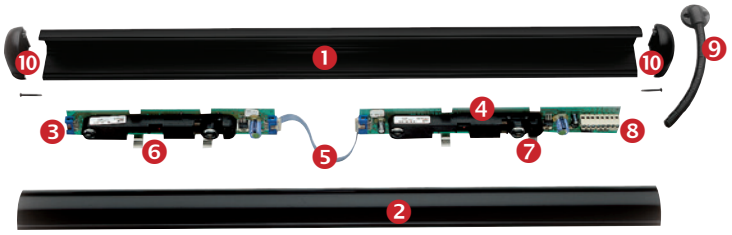
DETECTION RANGE



SUPERSCAN II

COMPONENTS

1. Aluminum Housing
2. Lens
3. Slave Module
4. Master Module
5. Plug-in ribbon cable
6. Mounting clip for angle adjustment
7. Distance adjustment cam
8. Terminal block
9. Wiring transfer loop
10. End cap



TECHNICAL SPECIFICATIONS

Technology	Focused Active Infrared
Detection Mode	Presence
Measurement of Distance	Triangulation
Adjustable Detection Range	Minimum: 2'3" Maximum: 12'
Temperature Range	-30° F to +140° F
Supply Voltage	12 to 24 VAC / VDC; ±10%
Relay Hold Time Potentiometer Range	 0.1 s to 4.5 s
Output Maximum Contact Rating Hold Time	Single Relay 1 A @ 30 V (resistive) 0.1 to 4.5 seconds
Response Time	< 50 ms
Material	Aluminum, ABS plastic / acrylic
Housing Color	Dark Bronze Anodized
Industrial Product Family 10SSI	 SuperScan I, 34.5" housing end cap to end cap – 1 master Custom lengths and additional slaves available
Maximum Number of Modules	1 – 10; 1 Master + up to 9 Slaves
Degree of Protection	IP53

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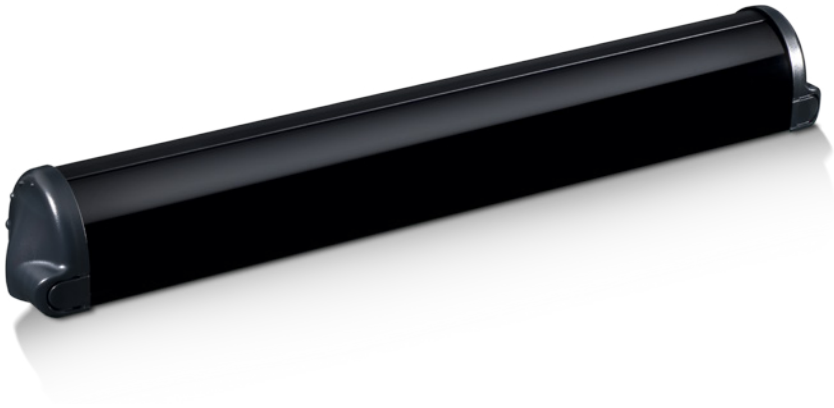
DOOR MOUNTED

QUADSCAN

PRESENCE SENSOR



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TECHNICAL SPECS

Technology
Active Infrared with background suppression

Mounting height
3’ 7” to 9’ 10”
1.1 m to 3 m

Max. number of modules
4 (or up to 6 if 24 V DC)

Detection Field at Finished Floor (WxD)
15 3/4” x 2 3/4”
@ 6 1/2 ft. & 4 spots active;
400 mm x 70 mm
@ 2.00 m & 4 spots active

Input
1 optocoupler
Free of potential contact
Max. contact voltage:
30 V
Voltage threshold:
high: >10 V DC
low: <1 V DC

Output
2 relays
Free of potential contact
Max. contact voltage:
42 V AC/DC
Max. contact current:

Output (continued)
1 A (resistive) Max. switching power:
30 W (DC) / 60 VA (AC)

Supply voltage
12 V – 24 V AC ±10%
12 V – 30 V DC -5% / +10%

Max current consumption
65 mA @ 24 V AC
75 mA @ 24 V DC
(EACH MODULE)

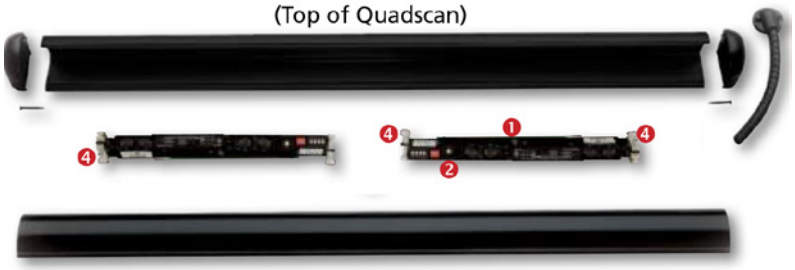
Object Reflectivity
min 5% at IR-wavelength of 850 nm

Degree of protection
IP53

Temperature range
-13° F to + 131° F
(-25° C to +55° C)
0–95% relative humidity, non condensing

Norm conformity
EMC 2004/108/EC;
MD 2006/42/EC
EN ISO 13849-1:2008
Performance Level CAT 2; EN 12978

COMPONENTS



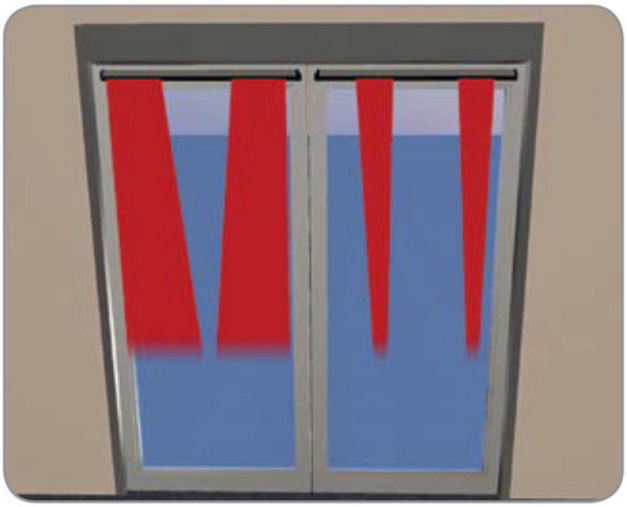
1. Quadscan Standard Module
2. Distance adjustment cam
3. Aluminum Housing for Quadscan
4. Mounting clip for angle adjustment
5. Infrared lens (Bottom of Quadscan)

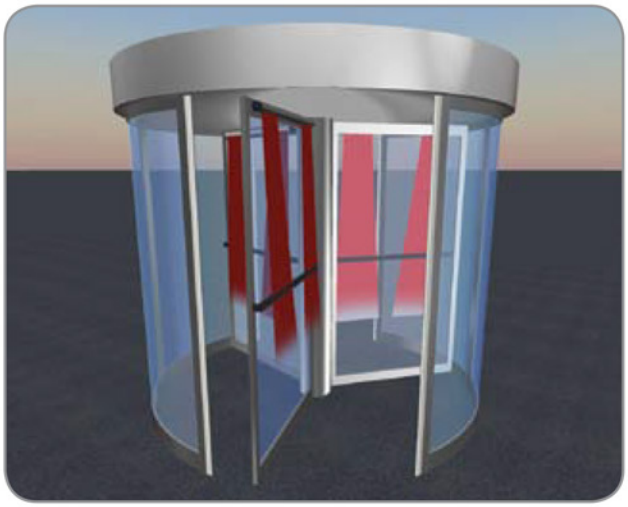
PRODUCT LINE

10QUADSCANi – Quadscan I (includes one quadscan module)
10QUADSCANii – Quadscan II (includes two quadscan modules)
10QUADSCANiii – Quadscan III (includes three quadscan modules)

Note 1: Custom lengths are available for non standard applications. please contact our sales team for More information.
Note 2: the quadscan iii will not fit in the standard 36” housing.

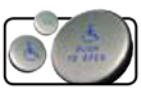
QUADSCAN APPLICATIONS



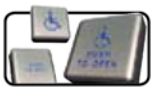


Eagle
Flat antenna motion detector

Br3
Programmable 3 Relay logic module with 12 selectable functions



Round Push Plates
Any 4.5”, 6” or Panther Style



Square Push Plates
Any 4.5”, 4.75”, 6” or Panther Style

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PROGRAMMABLE 3-RELAY LOGIC MODULE

Br3

LOGIC MODULE

Eliminates The Need For Multiple Modules

FEATURES

- Multi-functionality offers increased value by combining legacy MC-Linx functionality with more advanced functions for a solution to a wider variety of applications.
- Contains 3 relays; two 3-AMP and one 1-AMP
- Built-in surge suppression in all 3 relays eliminates the need for external components when installing electric locking devices
- Provides the ability to select a WET voltage output up to 1-AMP on Relay 1 to power electric locking devices without the need for an external power supply (source must be capable of providing at least 1-AMP of power)
- Advanced input power circuitry for better protection, including a resetable fuse

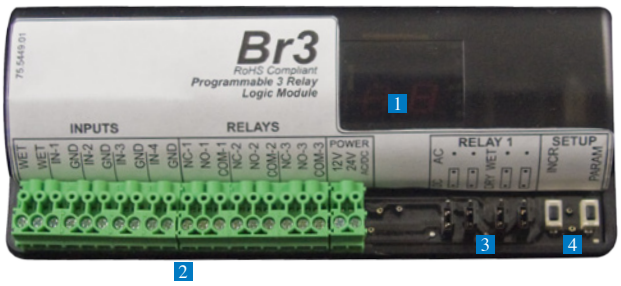
12 Different Functions

The br3 is a logic module for applications including simple timing, door mounted sensor inhibiting and advanced relay sequencing. With multiple functions in one module, technicians will only need to carry one solution.

Most Common Pedestrian Setting – MC25

1. Activate Push Plate
2. Receiver Activates Br3
3. Br3 Releases Maglock
4. Br3 Opens Door

Components



1. Two digit, 7-segment display
2. Input/Output Screw Terminal
3. DRY/WET Output & AC/DC Selector
4. Programmable Push Buttons

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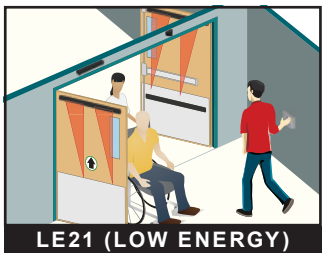
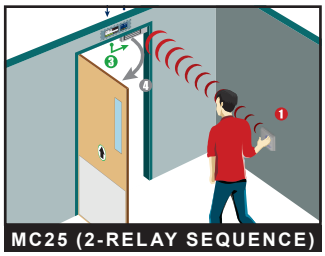
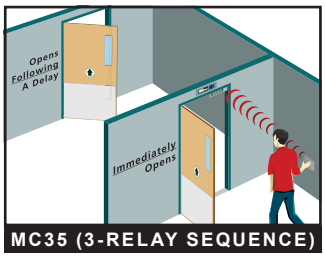
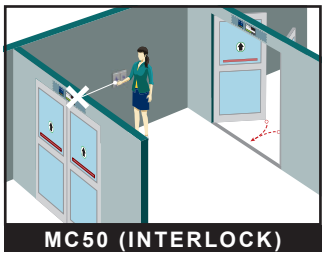
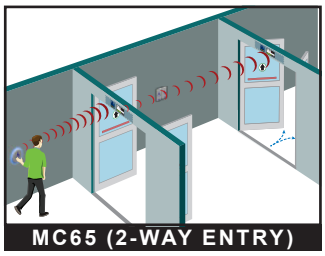

LE21 (LOW ENERGY)

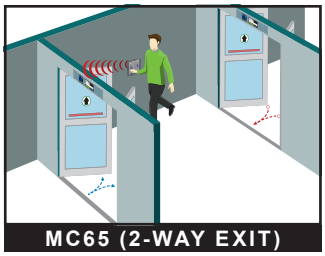

MC25 (2-RELAY SEQUENCE)



MC35 (3-RELAY SEQUENCE)


MC50 (INTERLOCK)


MC65 (2-WAY ENTRY)


MC65 (2-WAY EXIT)

COMMON PEDESTRIAN APPLICATIONS

PRODUCT DETAILS & TECHNICAL SPECIFICATIONS

FUNCTION	SUBJECT	MOST COMMON APPLICATIONS
10 (MC10)	Simple Timer	Time delay relay
11 (MC11)	Ratchet / Latching	Push to open / Push to close
21 (LE21)	Inhibitor with Door Position Input	Automatic swing door with push plate, approach side SuperScan is inhibited when door is closed
22 (LE22)	2 Relay Sequence Inhibitor with Door Position Input	Automatic swing door with push plate, approach side SuperScan and Electric Strike. SuperScan is inhibited when door is closed
25 (MC25)	2 Relay Sequence	Automatic swing door with a push plate and electric locking devices
28 (MC28)	2 Relay Sequence with Door Position Input	Automatic swing door with a push plate and electric locking devices with a door position switch to prevent the delay from running during a recycle
29 (MC29)	Relay 1 Deactivation Timer	Automatic swing door or sliding door with an electric locking device and door position switch to prevent lock from reengaging before door closes completely
35 (MC35)	3 Relay Sequence	Two door vestibule with automatic swing doors and single electric locking device
50 (MC50)	Interlock Timer with Door Position Inputs	Interlock module that will only allow one door to open at a time and can be used with any automatic or manual door
55 (MC55)	Interlock Ratchet with Door Position Inputs	Interlock module that will only allow one door to open at a time with a ratchet/latching function and can be used with any automatic or manual door
65 (MC65)	2-Way, 2 Relay Sequence	Two door vestibule sequencing with automatic swing doors traveling in either direction
75 (MC75)	2 Relay Sequence	Automatic swing door with a push plate and electric locking devices

Note: Functions 10, 11, 50, 55 and 65 are NOT compatible with the WET input

Supply Voltage	12 to 24 V AC/DC
Power Consumption	30 to 130 mA; DRY Output
Temperature Range	-15°F to 150°F
Dimensions	5.2 in × 2.2 in × 1.0 in
Housing Material	Gray ABS Plastic
Input Specification	1 to 4; DRY Contact
WET Input	5 to 24 V AC/DC
Contact Rating DRY	
Relay #1	3 A @ 24 VAC / 30 VDC
Relay #2	3 A @ 24 VAC / 30 VDC
Relay #3	1 A @ 24 VAC / 30 VDC
Contact Rating WET	
Relay #1	1 A

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2WIRE MODULE

Control Module for Conversion of Hardwired Actuator to Actuator Requiring Power Using Existing Wiring

American National Standards Institute (ANSI) - Building Hardware Manufacturers Association (BHMA) - ANSI/ BHMA A156.10 & A156.19.

PRODUCT DESCRIPTION

The 2WIRE Module is a control module which provides an easy and inexpensive way to upgrade an existing hardwired mechanical actuator to a touchless or capacitive touch actuator that requires power, such as the 216 or NexGen series, without the need for additional wiring.

Upgrading hardwired automatic door actuators to actuators that require power has traditionally been an arduous process. Most actuators that require power use a four wire connection - two wires to provide power to the actuator, and two wires for activation of the door control. Mechanical actuators require only two wires for activation of the door control. Due to this, upgrading required running two additional wires, which could prove costly and time consuming. Using the 2WIRE Module eliminates the need for additional wiring, making the conversion simple and inexpensive!

The 2WIRE Module is designed to install in the door header and requires a 12–24 V AC or DC power input. Up to four actuators can be powered using the 2WIRE Module.

Actuators such as the 216 series infrared touchless or NexGen series can be purchased separately, or as part of a retrofit kit. The input power wires for the actuators connect to the 12V DC Out terminals of the 2WIRE Module. When any of the actuators are triggered, the relay output on the 2WIRE Module will change state, activating the door control.

TECHNICAL DATA

- ADA Compliant Operation
- 12 to 24V AC or DC Operation
- Form C Relay Output
- Heavy Duty 3 Amp Contact

SPECIFICATIONS

Input Voltage	12V to 24V AC or DC, not polarity sensitive
Input Current	Approx. 100mA @ 18V AC
Relay Contact	Form C rated at 3 amps @ 24V DC (resistive)
Current Draw	100mA at 24V
Relay Operation Modes	Normal or “fail-safe” (jumper selectable)
Unit Size	2”W x 2 3/8”L x 3/4”D
Temperature	-13°F to 140°F (-25°C to 60°C) Recommended For Interior Use

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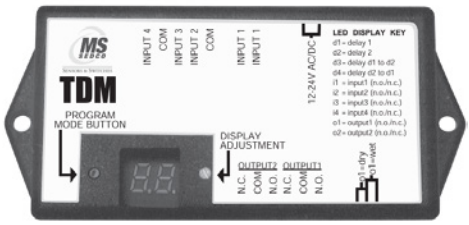
UNIVERSAL TIME DELAY MODULE

TDM



PRODUCT DESCRIPTION

The TDM is a multipurpose micro-processor based timing module that can be used for a variety of applications. Its unique design and open architecture allows the TDM to be used in any type of application that requires timing control of up to two outputs with up to four inputs.

Common Applications include:

- Using the TDM to provide a simple time delay of 0-99 seconds.
- Using the TDM as a make/break relay to eliminate mechanical binding of the electrical locking mechanism on an automatic door. The make relay can even be configured as a wet output to directly apply power to the electric locking device.
- Using the TDM to sequence vestibule doors. One unit is capable of sequencing the vestibule doors from both directions.

The four inputs on the TDM allow sequencing or independent operation of the two outputs.

- Input 1 will sequence Output 1then 2.
- Input 2 will sequence Output 2then 1.
- Input 3 will operate Output 1 independently.
- Input 4 will operate Output 2 independently.

Both outputs on the TDM are programmable for “on time” duration as well as the delay time between the two outputs from 0 to 99 seconds

SPECIAL FUNCTIONS

Wet Output

- Allows installer to apply power directly to an electric locking device (eliminating need for separate transformer)

Pushbutton Fault Indicator

- Provides valuable diagnosticinformation to installer

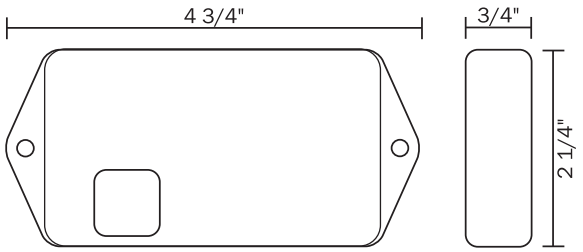
Preprogrammable

- Easily set-up on site or in advance using the LED Display
- Settings are stored in memory so TDM remembers settings (even after power failure)

American National Standards Institute (ANSI) - Building Hardware ManufacturersAssociation (BHMA) - ANSI/ BHMA A156.10 & A156.19.

SPECIFICATIONS

Model	TDM
Power	12 to 24 V AC or DC
Power Consumption	2W Maximum
Output Contact	Form C, Rated At 3 Amps
Temperature	-22°F to 158°F (-30°C to 70°C)
Color	Flat Black
Enclosure	ABS Plastic
Weight	0.25 lb.
Physical Size	4 3/4”L x 2 1/4”W x 3/4”H



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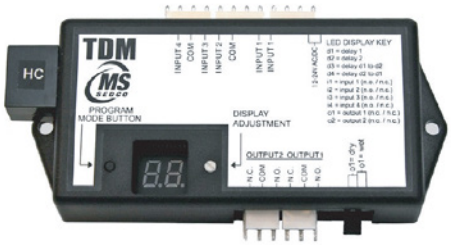
UNIVERSAL TIME DELAY MODULE

TDM-HC

HIGH CURRENT



PRODUCT DESCRIPTION

The TDM-HC is a multipurpose microprocessor based timing module that can be used for a variety of applications. Its unique design and open architecture allows the TDM-HC to be used in any type of application that requires timing control of up to two outputs with up to four inputs.

The first output of the TDM-HC has a capacity of 20 amps, making it compatible with every electronic locking device, including electric-latch-retraction exit devices

Common Applications include:

- Using the TDM-HC to provide asimple time delay of 0-99seconds..
- Using the TDM-HC as a make/break relay to eliminatemechanical binding of theelectrical locking mechanism onan automatic door.
- Using the TDM-HC to sequencevestibule doors. One unit iscapable of sequencing thevestibule doors from bothdirections.

The four inputs on the TDM-HC allow sequencing or independent operation of the two outputs.

- Input 1 will sequence Output 1then 2.
- Input 2 will sequence Output 2then 1.
- Input 3 will operate Output 1 independently.
- Input 4 will operate Output 2 independently.

Both outputs on the TDM are programmable for “on time” duration as well as the delay time between the two outputs from 0 to 99 seconds

SPECIAL FUNCTIONS

Pushbutton Fault Indicator

- Provides valuable diagnostic information to installer

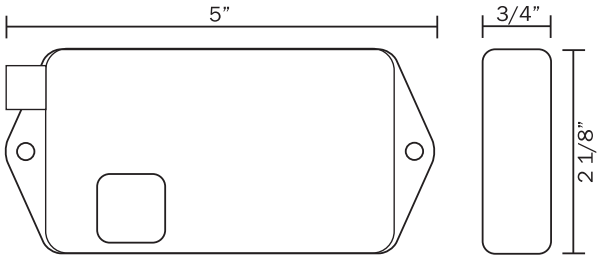
Preprogrammable

- Easily set-up on site or inadvance using the LED Display
- Settings are stored in memoryso TDM-HC remembers settings (even after powerfailure)

American National Standards Institute (ANSI) - Building Hardware ManufacturersAssociation (BHMA) - ANSI/ BHMA A156.10 & A156.19.

SPECIFICATIONS

Model	TDM-HC
Power	12 to 24 V AC or DC
Power Consumption	2W Maximum
Output Contact	Form C, Rated At 20 Amps
Temperature	-22°F to 158°F (-30°C to 70°C)
Color	Flat Black
Enclosure	ABS Plastic
Weight	0.25 lb.
Physical Size	5”L x 2 1/8”W x 3/4”H



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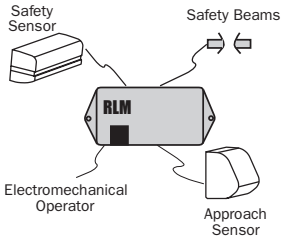
RELAY LOCKOUT MODULE

RLM

WITH SAFETY BEAMS



PRODUCT DESCRIPTION

The RLM is a microprocessor based relay lockout module with safety beams designed to meet the ANSI A156.10 2005 requirements that one-way traffic power operated pedestrian swing doors (typically supermarket doors) have an additional safety device installed when the overhead safety sensor is prevented from providing a safety signal during the closing cycle.

The RLM is equipped with Intelligent Door Position™ monitoring circuitry that will automatically identify a swing door's open and closed positions and determine its closing time.

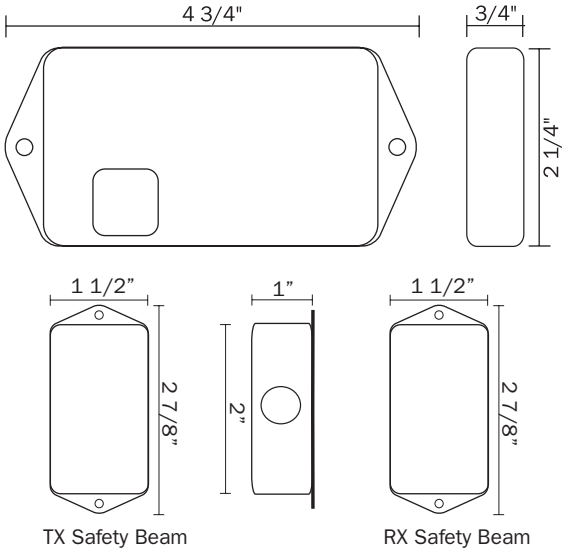
The RLM then controls the approach sensor, overhead safety sensor and safety beams. The proprietary software monitors the door's position and controls when to inhibit the signal from the overhead safety sensor during the closing cycle while simultaneously monitoring the safety beams and when to prevent reactivaiton of the approach sensor. By providing a single-source control for the approach sensor, overhead safety sensor and safety beams, the RLM streamlines installations by eliminating products and speeds up installation time by ending "trial and error" manual adjustments.

The RLM can also be used on operators not equipped with a safety circuit providing a more economical upgrade alternative to replacing expensive operator controls.The RLM is for use on electro mechanical operators only.

American National Standards Institute (ANSI) - Building Hardware ManufacturersAssociation (BHMA) - ANSI/ BHMA A156.10 & A156.19.

SPECIFICATIONS

Model	RLM
Power	12 to 24 V AC or DC
Power Consumption	<1W
Output Contact	Form C, Rated At 3 Amps
Temperature	-22°F to 158°F (-30°C to 70°C)
Color	Flat Black
Enclosure	ABS Plastic
Weight	0.25 lb.
Physical Size	Control Module: 4 3/4"L x 2 1/4"W x 3/4"H Safety Beams: 2 7/8"L x 1 1/2"W x 1"H



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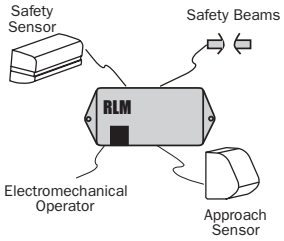
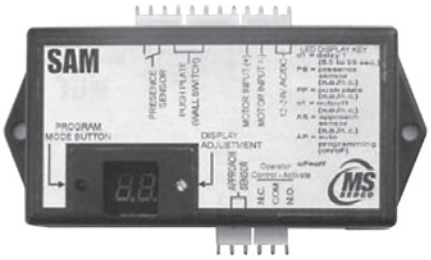
INTELLIGENT DOOR POSITION™

SAM

SECONDARY ACTIVATION MODULE





PRODUCT DESCRIPTION

The SAM is a microprocessor based secondary activation timing module designed to meet the ANSI A156.10 2005 requirements that knowing act power operated pedestrian swing doors (typically hospital corridor doors) include an approach sensor on the non-swing side of the door that is only active while the door is open or in its closing cycle.

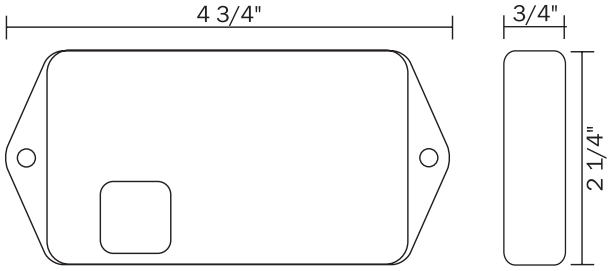
he RLM is equipped with Intelligent Door Position™ monitoring circuitry that will automatically identify a swing door's open and closed positions and determine its closing time.

The SAM is equipped with Intelligent Door Position™ monitoring circuitry that will automatically identify a swing door's open and closed positions and determine its closing time. The SAM then controls the push plate wall switch (knowing act), approach sensor (secondary activation) and overhead safety sensor. The proprietary software monitors the door's position and controls when to turn on and off the approach sensor after the push plate is activated while simultaneously monitoring the overhead safety sensor and locking out its signal during the door's closing cycle. By providing single source control for the push plate, secondary activation sensor and overhead safety sensor, the SAM streamlines installations by eliminating products and speeds up installation time by ending "trial and error" manual adjustments.

The SAM can also be used on operators not equipped with a safety circuit providing a more economical upgrade alternative to replacing expensive operator controls.

The SAM is for use on electromechanical operators only.

American National Standards Institute (ANSI) - Building Hardware ManufacturersAssociation (BHMA) - ANSI/ BHMA A156.10 & A156.19.



SPECIFICATIONS

Model	SAM
Power	12 to 24 V AC or DC
Power Consumption	<1W
Output Contact	Form C, Rated At 3 Amps
Temperature	-22°F to 158°F (-30°C to 70°C)
Color	Flat Black
Enclosure	ABS Plastic
Weight	0.25 lb.
Physical Size	4 3/4"L x 2 1/4"W x 3/4"H

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PRIVACY TIMING MODULE

PTM

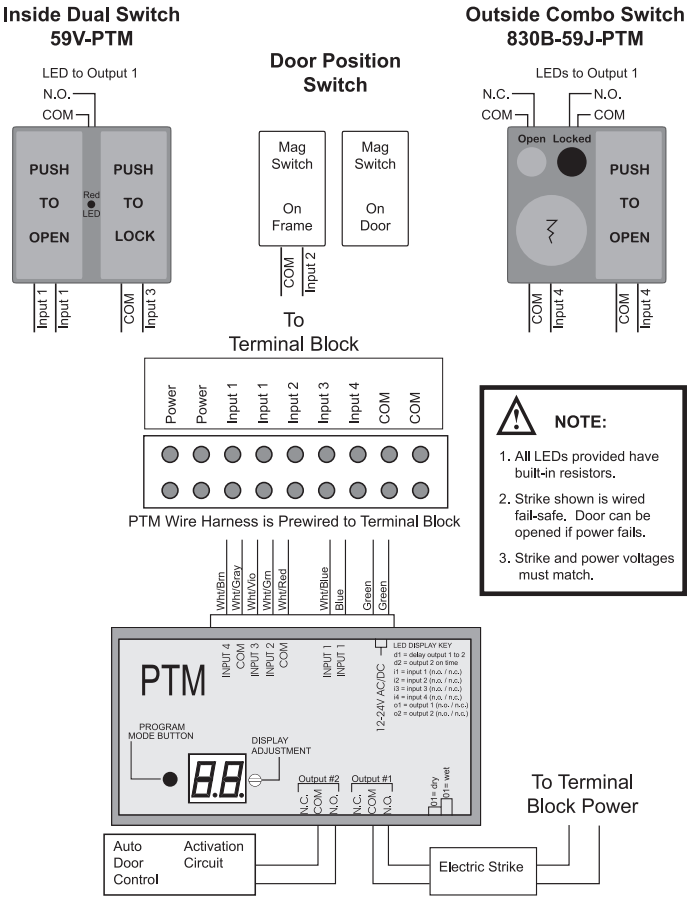
PRODUCT DESCRIPTION

The PTM is a timing module that allows users to control an automatic door operator for a room where privacy is a concern, such as a washroom, restroom, clean room, or photo development room. From the outside of the room, users are able to activate the door. Once inside, users are able to lock the door which prevents access from the outside "push to open" button. When egress is desired, the user presses an inside "push to open" button which deactivates the lock and activates the door. A keyswitch override is present on the exterior, as well as LEDs to indicate if the room is occupied. Green indicates available while red indicates occupied.

The delay time between deactivating the lock and activating the door, as well as the "on time" for door activation are fully programmable.

SPECIFICATIONS

Model	PTM
Power	12-24V AC or DC
Power Consumption	2 W Maximum
Output Contact	Form C, Rated At 3 Amps
Relay Contact Rating	3A:120V AC; 3A:60V DC
Temperature	-22°F to 158°F (-30°C to 70°C)
Weight	<0.25 lb.



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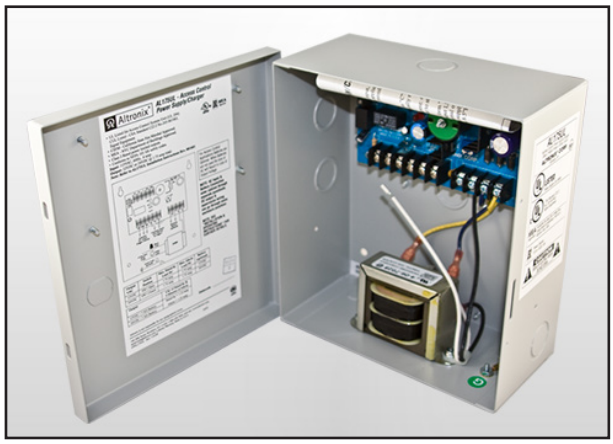
Two (2) Output Switching Power Supply/Charger

POWER SUPPLY



AL175UL

AL175UL is a two (2) output Switching Power Supply/ Charger that converts a 115VAC 60Hz input into two (2) individually PTC protected 12VDC or 24VDC outputs.

Specifications

Input:

- Input 115VAC, 60Hz, 0.6 amp.
- Access control trigger input.

Output:

- 12VDC or 24VDC selectable outputs.
- 1.75 amp supply current.
- Two (2) Class 2 Rated power-limited outputs.
  - Fail-Safe/Fail-Secure lock output (switched).
  - Auxiliary power output (unswitched).
- PTC protected outputs, rated @ 2.5 amp.
- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.

Battery Backup:

- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- Maximum charge current 0.4 amp.

Supervision:

- AC fail supervision (form "C" contacts).
- Supervised Fire Alarm Disconnect (Latching w/reset or Non-Latching).

Visual Indicators:

- AC input and DC output LED indicators.

Electrical:

- Operating temperature: 0° C to 49° C ambient.
- 10.75-21.5 BTU/Hr.
- System AC input VA requirement: 69VA.

Mechanical:

- Enclosure Dimensions (H x W x D approx.):
- 8.5" x 7.5" x 3.5" (215.9mm x 190.5mm x 88.9mm).
- Product weight (approx.): 5.1 lbs. (2.31 kg).
- Shipping weight (approx.): 5.6 lbs. (2.54 kg).

Agency Approvals

UL 294 — UL Listed for Access Control System Units.

CUL Listed - CSA Standard C22.2 No.205-M1983, Signal Equipment.

MEA Approved — MEA - NYC Department of Buildings Approved.

CSFM - California State Fire Marshal Approved.

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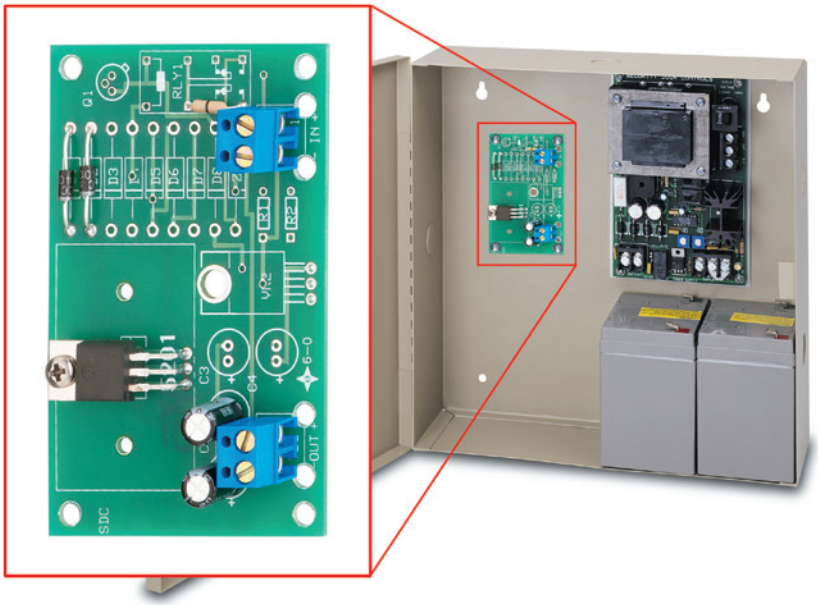
12VR REGULATOR MODULE

POWER SUPPLY

Dual 12VDC and 24VDC Output for IDC Power Supplies



12VR Voltage Regulator Module

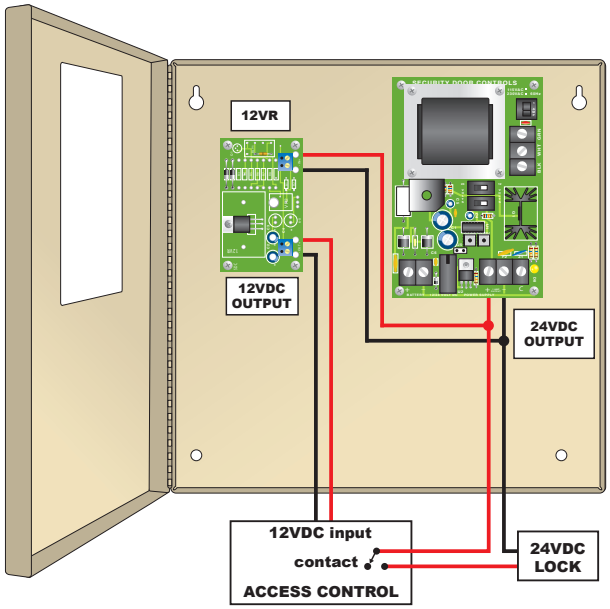
The addition of the 12VR module enables dual 12VDC and 24VDC output capability.

With the IDC 600 Series power supply output set at 24VDC for locking devices and components, the addition of the 12VR provides a separate 12VDC, 500 mA output for 12VDC Access Controllers and readers or other devices. The need for separate power supplies for 12VDC and 24VDC requirements within the same system is eliminated.

With the IDC 600 Series built in battery charger, the addition of batteries provides battery backup for both outputs. An auxilliary emergency release input is standard with IDC power supplies for failsafe locking systems.

Power Supply 12VR Capacity

602RF One Maximum
631RF One Maximum
632RF Two Maximum
634RF Four Maximum
636RF Six Maximum



Specifications

Model: 12VR
Input: 24VDC
Output: 500 mA @ 12VDC
Dimensions: 3.25"H x 2"W
(83mm x 51mm)

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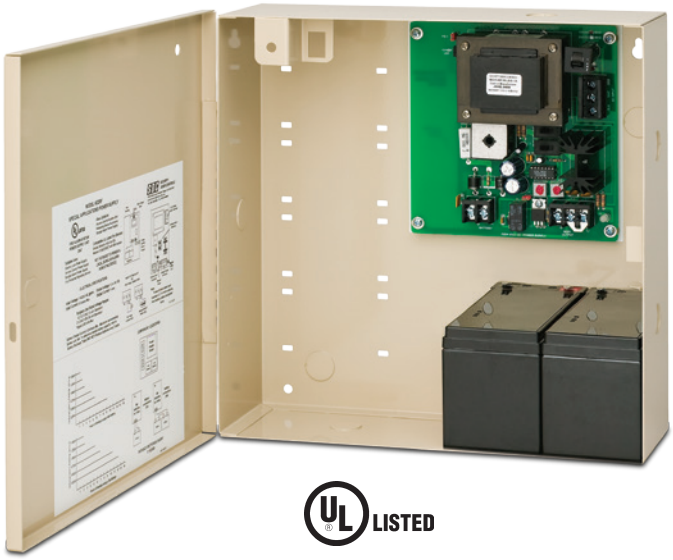
MODULAR ACCESS CONTROL POWER SUPPLY

602RF 1 AMP

POWER SUPPLY

Modular Access Control Power Supply

Field Selectable 12VDC or 24VDC Output - Standard
Dual 12VDC and 24VDC Output - Optional
California Compliant Manual Release Optional



UL LISTED

MADE IN THE USA

Access Control Systems Unit ALVY
Fire and Burglar Alarm Power Supply APHV
Releasing Device Accessory SYSW

All IDC power supplies are equipped with a high performance transformer and highly reliable electronic components. Filtering and output voltage regulation provide protection and ensure the longevity of all system components. With the addition of IDC programmable controllers or relay modules, the user-friendly modular designs ensure versatility, interface capability and easy installation of electric locking devices, access controls and related safety equipment.

Class 2 Outputs

To simplify installations that do not require conduit, a Class 2 output is standard and a 6-foot power cord is optional for the 115VAC input where permitted by code.

Modular Design

Door control relay modules are available to meet virtually any application need. All wiring for lock hardware, access controls remote control and monitoring is terminated at one central location. Installation and troubleshooting is simplified.

Modules may be factory installed or ordered separately for field installation as needed. All modules are individually fused for protection of multiple station systems.

Electrical Specifications

Input: 115VAC, 600 mA, 50/60 Hz (230VAC optional)
Output: 12/24VDC, 1 Amp
Battery Charger: 13.5/27VDC, 500 mA

Mechanical Specifications

Cabinet: 12" x 12" x 4", 18 GA
305mm x 305mm x 102mm

Features

Fire/Life Safety
A fire alarm input provides simultaneous release of all fail safe locks and door holders in case of an emergency.

Field Selectable Output
The output is field selectable to provide 12VDC or 24VDC.

Input and Output Protection
The AC input voltage is circuit breaker protected and the secondary output is PTC protected.

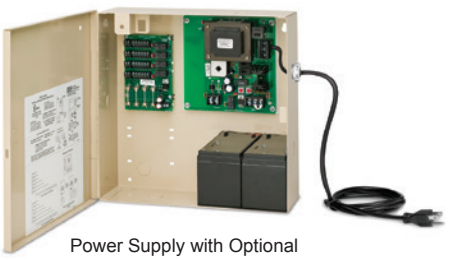
System Status
LED status indicators provide information regarding the AC input, DC output, and battery back up status. Outputs for remote annunciation are available.

Battery Charging Output
A separate PTC protected charging output provides 13.5 or 27 volts to fully charge the batteries. The secondary output is always precisely maintained at 12 or 24VDC to protect locking devices and components from over voltage while the batteries are charging. The specified secondary output current is also maintained while batteries are charging. **De-rating of the secondary output current is not required when charging batteries.**

Low Battery Disconnect
Batteries are disconnected from the output circuit prior to deep discharge preventing battery destruction.

Door Control Modules
IDC relay modules may be incorporated in the power supplies to meet virtually any application requirement, for single or multiple door control.

602RFL
1 Amp Power Supply
Less Box



Power Supply with Optional
CR4 and PC 6 Foot Power Cord

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Model

602RFL 1 Amp power supply only
Less box

602RF 1 Amp power supply
12" x 12" x 4" cabinet

Options

PC Power cord, 6 FT

KL Key lock cover

MR-1 Push switch for manual reset of emergency release and AC power loss. California state compliant (CSFM). Consult your local Authority Having Jurisdiction (AHJ) for reset requirements.

PS-1 System on-off push switch mounted inside cabinet

PS-1A System on-off push switch mounted on outside cover

230VAC 230VAC input (Not UL)

14-2 7 day skip a day timer

Battery Back-Up Selection

RB12V4 5 Amp hour battery

Emergency release input overrides battery back-up, maximum 4 batteries.

Back-up time for 12V and 24V using 5 Ah batteries

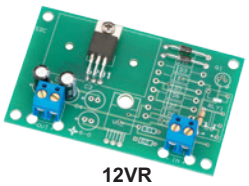
Load	Time	
(Amp)	*5 Ah	**10 Ah
.25	20 hours	40 hours
0.50	10	20
0.75	7.5	15
1.00	5	10

***12V (1 battery), 24V (2 batteries)**
****12V (2 batteries, 24V (4 batteries)**

Module Capacity

FB4: 2 max
PSM, 12VR: 1 max
CR4, ACM-1: 2 max with 2 batteries
1 max with 4 batteries
TD, CR, LR: 4 max with 2 batteries
2 max with 4 batteries

Dual 12VDC and 24VDC Outputs

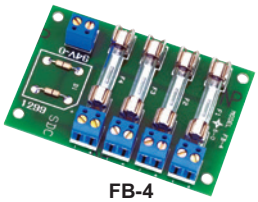


12VR

12VR 12 Volt Regulated and Filtered Output Module With the power supply output set at 24VDC for locking devices and components, the addition of the 12VR provides a separate 12VDC, 500 mA output for 12V access controls and components. The total load of both outputs combined may not exceed 1 Amp.

Input: 24VDC **Output:** 500 mA @ 12VDC

Multiple Outputs

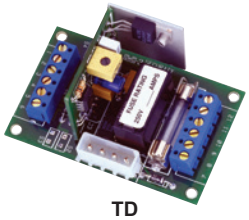


FB-4

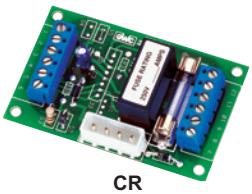
FB-4 Four 2 Amp fuse protected outputs faster acting protection. (2 modules provide 8 outputs).

Door Control Modules

Contacts: 2.5 Amps inductive, 5 Amps resistive @ 30VDC unless specified otherwise.

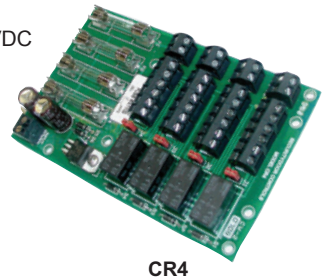


TD



CR

TD Time Delay Relay Module
Voltage input: 35mA @12/24VDC
Timer Adj: 1-120 seconds
(1) Non-Fused, SPDT dry contact
(1) Fused SPDT voltage output
(1) N.O. dry trigger input
(1) N.C. dry trigger input
(1) Normally off voltage trigger input
(1) Anti-Tailgate N.O. timer reset input
3.25"W x 2"H (83 x 51mm)

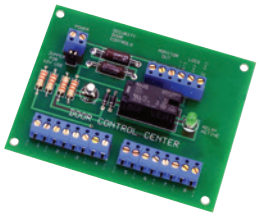


CR4

LR

CR-12, CR-24 Relay Module
Voltage input: 35mA, specify 12V or 24VDC
(1) Fused, SPDT voltage output
(1) SPDT dry contact
(1) N.O. dry trigger input
(1) Normally off, voltage trigger input
3.25"L x 2"W (83 x 51mm)

CR4 Four Station Relay Module
Voltage input: 120 mA @ 12/24VDC
(4) Fused, 2A SPDT dry outputs
or voltage outputs
(4) 2A SPDT dry outputs
(4) N.O. dry trigger inputs
3.25"L x 2"W (83 x 51mm)



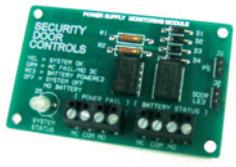
ACM-1

14-2

ACM-1 Access Control Module
Voltage input: 45mA @ 12/24VDC
(1) SPDT voltage output
(1) SPDT dry contact
(8) SPDT trigger inputs (4-NC,4-NO)`
(1) LED status indicator
5"L x 3.25"W (127 x 83mm)

LR-12, LR-24 Latching Relay Module
Voltage input: 45mA, specify 12V or 24VDC
(1) Fused, SPDT voltage output
(1) N.O. dry trigger input
3.25"L x 2"W (83 x 51mm)

Remote Monitoring



PSM

PSM Power Supply Remote Monitoring Module
The PSM Power Supply Monitoring module provides 2-SPDT, 1 Amp contacts to remotely monitor power supply and battery status.
Imput: 30mA @12/24VDC

Remote annunciation conditions include:
- System OK
- Battery Powered
- AC Fail – No DC Output
- System Off – No Battery

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MODULAR ACCESS CONTROL POWER SUPPLY

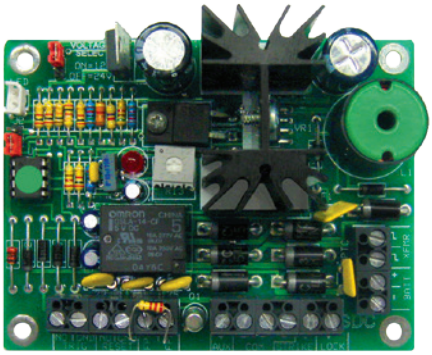
621 SERIES 1 AMP

POWER SUPPLY

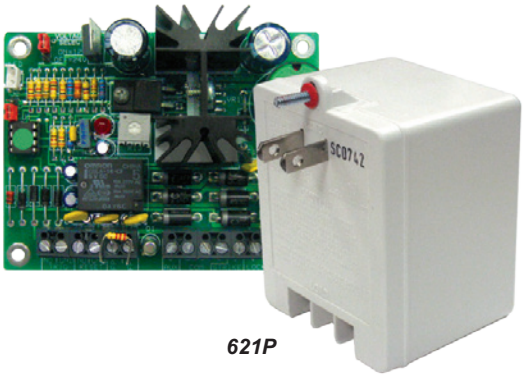
New Modular Access Control Power Supply-Easy as 1 • 2 • 3

The 621 Series access control power supplies are designed to support access controls and electric locking devices. Equipped with two power limited outputs, the modular design enables versatility for installations with or without battery back-up or fire command center interface for emergency lock release.

- 12VDC or 24VDC field selectable output
- 1 Amp maximum, filtered and regulated output
  - 1 power limited switched output
  - 1 power limited auxiliary output
- Two control inputs
  - 1 trigger input, normally open (NO)
  - 1 supervised emergency release input (latching with reset or non-latching)
- When latching emergency release is selected and the switched output is deactivated by emergency release or power loss, power is restored by manual means only.
- Short circuit and thermal overload protection
- Battery charger output
- Automatically switched to battery back-up when AC fails
- Board equipped with AC input, DC output and battery status LED indicator
- Enclosure equipped with AC input, DC output and battery status LED indicator



621B



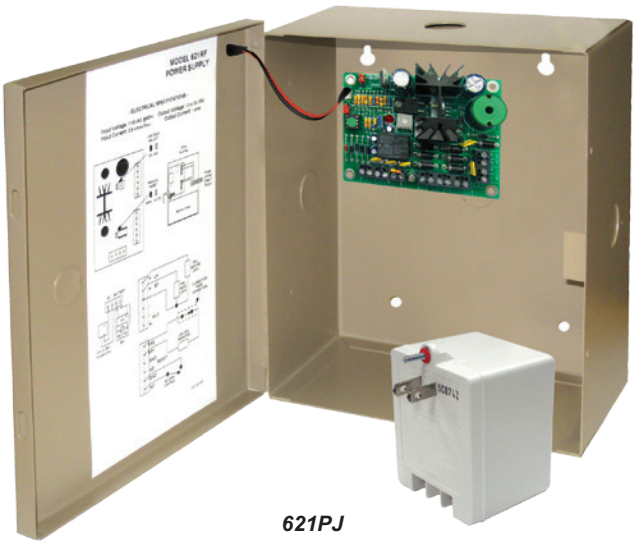
621P

Models

621B Power supply module, 1 Amp 12/24VDC, Class 2
Input requirements: 40VA @ 24VAC
See options: TP2440

621P Power supply module, 1 Amp, 12/24VDC, Class 2 with UL Listed plug-in transformer.

621PJ Power supply module, 1 Amp, 12/24VDC, Class 2 with UL Listed plug-in transformer and small enclosure.



621PJ

Options

TP2440 24VAC, 40VA transformer for use with 621B. UL Listed
RB12V 5Ah 12VDC battery (2 required for 24VDC)
RB12V7 8Ah 12VDC battery (1 max with enclosure)

Specifications

621B Input: 40VA @ 24VAC

621P/621PJ Input: 115VAC 60Hz, 0.6 Amp

Output: Filtered and electronically regulated
1 Amp @ 12/24VDC (field selectable)

Battery Charger: 150mA @ 12VDC

Power Supply Board:
4"W x 3"H x 1.625"D
(102mm x 76mm x 42mm)

Enclosure: 7.25"W x 8.375"W x 3.625"D
(184mm x 213mm x 92mm)

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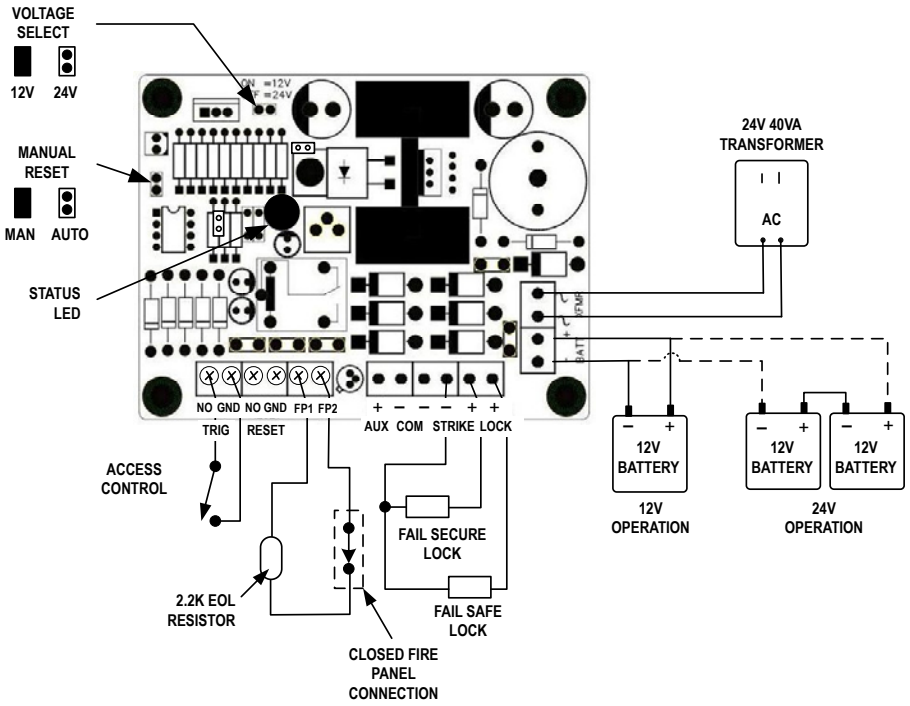
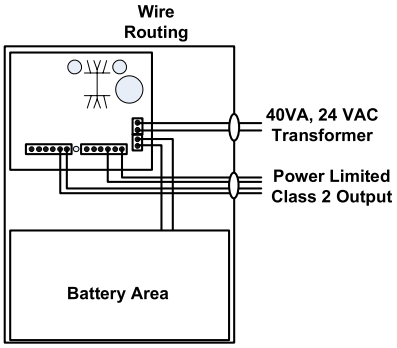
621 - ELECTRICAL SPECIFICATIONS

Input Voltage: 24 - 28 VAC 40VA
Input Current: 1.2 amps Max.

Output Voltage: 12 or 24 VDC
Output Current: 1 amp*

*40VA Transformer required to achieve 1 Amp output





621 Led Modes:

On = Normal Operation
Off = No DC Output
Slow Flash = Loss of AC Battery Powered
Fast Flash = Trigger Input or Awaiting Reset

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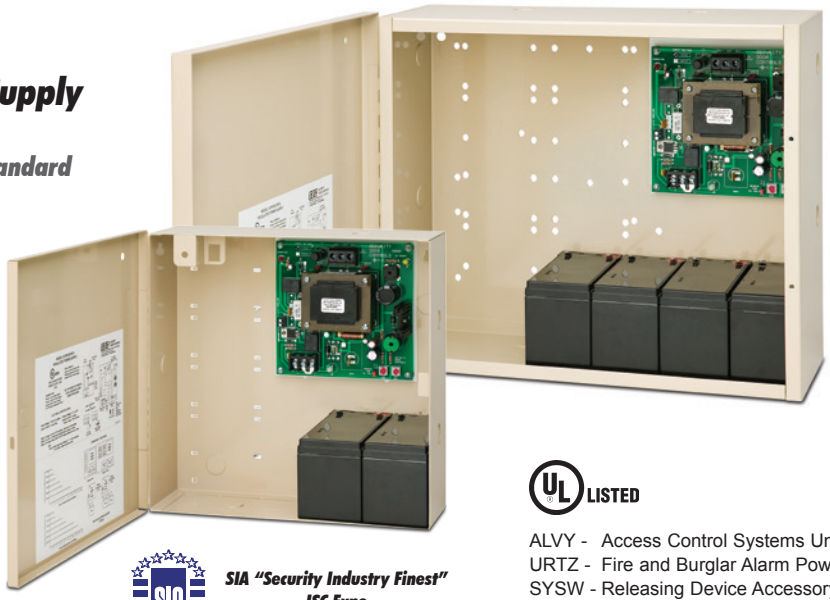
MODULAR ACCESS CONTROL POWER SUPPLY

631RF 1.5 AMP

POWER SUPPLY

Modular Access Control Power Supply

Field Selectable 12VDC or 24VDC Output - Standard
Dual 12VDC and 24VDC Output - Optional



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MADE IN THE USA

ALVY - Access Control Systems Unit
URTZ - Fire and Burglar Alarm Power Supply
SYSW - Releasing Device Accessory

Quality, Performance & Versatility

The IDC 631RF Power Supplies have been developed specifically to support electric locks and access controls. The high performance, heavy-duty circuitry is ideal for inductive loads and multi-door applications. The modular design is built around several different application control modules to meet your specific needs for virtually any electric lock system. IDC power supplies are designed to provide a well organized installation for individual or multi-door systems that may include locking devices, access controls, station controls and consoles for remote control, annunciation and fire/life safety system interface.

Manufactured & Tested to Rigorous Standards

IDC 600 Series power supplies are manufactured according to **ISO 9001** certified quality standards.

Tests are conducted according to tough UL 1481 criteria for specific use with access controls, fire and burglary applications.

Modular Design

Ten different, individually fused door control modules are available for virtually any application. Time delays, latching relays and multiple station circuit breaker modules are available for custom configuration in the field or at the factory.

DIP Switch System Operation

Specification of the UR Universal Access Hardware Controller provides for six standard DIP switch selectable system and mantrap variations for multiple door systems.

Features

Filtered and Regulated
The output filtering stabilizes the DC output voltage and eliminates AC line noise. The solid state regulator maintains the selected output voltage at 12VDC or 24VDC regardless of the output load changes, including battery charging.

Field Selectable 12 or 24VDC
The output is field selectable for 12 or 24VDC output.

250 mA Battery Charger Output
A separate PTC protected, battery charger output provides 13.5VDC or 27VDC.

LED System Status Indicator
Amber - AC and DC voltages are OK
Green - No DC output
Red - No AC input, powered by batteries

Class 2 Outputs
Where permitted by code, conduit is not required when using Class 2 outputs.

Large Heavy Gauge Enclosure
Model 631RFA is housed in a 16 gauge, 16"W x 14"H x 6.5"D cabinet large enough to accommodate several additional modules and six 7 Amp hour batteries with plenty of room for wiring.

Value Added Features

Emergency Release Input
The Fire/Life Safety emergency release input is standard on all IDC power supplies.

Low Battery Disconnect
Batteries are disconnected from the output circuit prior to deep discharge preventing battery destruction.

Isolated Charging Circuit
While the charging output is 13.5VDC or 27VDC, the secondary output is unaffected and precisely maintained at the selected 12 or 24VDC. This ensures system components are powered by their specified voltage.

The secondary output current is maintained at the full 1.5 Amp capacity and is not de-rated when charging batteries.

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West: 800-544-4422 • East: 800-225-6737
www.intldoorclosers.com

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Ordering Information

631RFL	1.5 Amp Power Supply Only Less Box
631RF	1.5 Amp Power Supply 12"W x 12"H x 4"D
631RFA	1.5 Amp Power Supply 16"W x 14"H x 6.5"D

Options

PC	6 foot Power Cord.
KL	Key locked cover.
14-2	7-day skip-a-day timer.
PS-1	On-Off Push switch inside cabinet. 631RFA only.
PS-1A	On-Off push switch on cover.
230V	220/230VAC, 50/60 Hz input. (Not UL Listed)

RB12V4

RB12V7

IDC power supplies equipped with batteries provide continuous operation of access controls, locking devices and peripheral components during a power failure. **See Table 2 & 3 to determine battery requirements for standby power.**

RB12V4	12VDC, 5 Amp Hour Battery **631RF** capacity, 4 maximum
RB12V7	12VDC, 8 Amp Hour Battery **631RFA** capacity, 6 maximum

How to Order

Specify model, options, modules and batteries.

631RF x KL x PS-1 x 2 RB12V4

631RFA x KL x CR4 x 4 RB12V7

Electrical Specifications

Input:
115VAC @ 800mA, 50/60 Hz, Fused
(220/230VAC 50/60 Hz optional, not UL Listed)

Selectable Secondary Output:
12VDC or 24VDC @ 1.5 Amp,
poly fuse protected, Class 2

Battery Charger Output:
250mA @ 13.5 or 27VDC,
PTC protected

Mechanical Specifications

631RF:	12"W x 12"H x 4"D (305 x 305 x 102mm)
Material:	Steel, 20 Ga., (.912mm)
631RFA:	16"W x 14"H x 6.5"D (406.4 x 355.6 x 165.1mm)
Material:	Steel, 16 Ga., (1.52mm)

631RFL
1.5 Amp Power Supply
Less Box

631RF x PC x CR4 x 2 RB12V4

631RFA x UR4A x 4 RB12V7

*Table 1: Control Module Capacity **

Power Supply:	631RF		631RFA	
Battery Qty.	0-2	3-4	0-2	3-6
	RB12V4		RB12V7	
FB4	4	2	4	4
12VR	1	1	1	1
PSM	1	1	1	1
UR-2A, UR-4A	NA	NA	1	1
TD	4	2	8	4
CR	4	2	8	4
CR-4	2	1	4	2
ACM-1	2	1	4	2
LR	4	2	8	4
PB-8, PB-16	1	1	1	1

* Total combined load of modules and access control hardware may not exceed 1.5 amp.

Table 2: 12VDC Standby Power

5 Ah Battery Qty	1	2	4	
Amp Hours	5Ah	10Ah	20Ah	
Load/Amps	Power Back-up Time in Hours			
0.25	19.6	49	124	
0.50	7.8	20	49	
1.00	3.1	11.3	19.4	
1.50	1.8	4.5	11.3	
8 Ah Battery Qty	1	2	4	6
Amp Hours	8Ah	16Ah	32Ah	48Ah
Load/Amps	Power Back-up Time in Hours			
0.25	36.7	92	232	400
0.50	14.5	36	92	157
1.00	5.7	14.4	36	62
1.50	3.3	8.4	21	36

Table 3: 24VDC Standby Power

5 Ah Battery Qty	2	4	
Amp Hours	5Ah	10Ah	
Load/Amps	Power Back-up Time in Hours		
0.25	19.6	49	
0.50	7.8	20	
1.00	3.1	11.3	
1.50	1.8	4.5	
8 Ah Battery Qty	2	4	6
Amp Hours	8Ah	16Ah	24Ah
Load/Amps	Power Back-up Time in Hours		
0.25	36.7	92	158
0.50	14.5	36	62.7
1.00	5.7	14.4	24.8
1.50	3.3	8.4	14.4

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MODULAR ACCESS CONTROL POWER SUPPLY

632RF 2 AMP

POWER SUPPLY

Modular Access Control Power Supply

Field Selectable 12VDC or 24VDC Output - Standard
Dual 12VDC and 24VDC Output - Optional

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UL LISTED
Access Control Power Supply - ALVY
General Purpose Power Supply - QQFU/QQFU7

Quality, Performance & Versatility

The IDC 632RF Power Supplies have been developed specifically to support electric locks and access controls. The high performance, heavy-duty circuitry is ideal for inductive loads and multi-door applications. The modular design is built around several different application control modules to meet your specific needs for virtually any electric lock system. IDC power supplies are designed to provide a well organized installation for individual or multi-door systems that may include locking devices, access controls, station controls and consoles for remote control, annunciation and fire/life safety system interface.

Modular Design

Ten different, individually fused door control modules are available for virtually any application. Time delays, latching relays and multiple fuses are available for custom configuration in the field or at the factory.

DIP Switch Select System Operation

Specification of the UR Universal Access Hardware Controller provides for six standard DIP switch selectable system and mantrap variations for multiple door systems.

Manufactured & Tested to Rigorous Standards

IDC 600 Series power supplies are manufactured according to **ISO 9001-2000** registered quality standards. Tests are conducted according to tough UL criteria.

Features

Filtered and Regulated
The output filtering stabilizes the DC output voltage and eliminates AC line noise. The solid state regulator maintains the selected output voltage at 12VDC or 24VDC regardless of the output load changes, including battery charging.

Field Selectable 12 or 24VDC
The output is field selectable for 12 or 24VDC output.

Battery Charger Output
A separate PTC protected, battery charger output provides 13.5VDC or 27VDC.

LED System Status Indicator
Amber - AC and DC voltages are OK
Green - No DC output
Red - No AC input, powered by batteries

Class 2 Output
Where permitted by code, conduit is not required for the Class 2 output.

Large Heavy Gauge Enclosure
Model 632RF**A** is housed in a 16 gauge, 16"W x 14"H x 6.5"D cabinet large enough to accommodate several additional modules and six 7 Amp hour batteries with plenty of room for wiring.

Value Added Features

Emergency Release Input (Standard)
A signal input from the fire life safety system turns off the secondary output releasing all failsafe locks. When not used for emergency release, this input may be used as main on-off control.

California Compliant Manual Reset of Emergency Release and AC Power Loss (Optional)
When this feature is required, should an AC power loss occur or the emergency release input is actuated, personnel must restore secondary output power manually at the power supply after the emergency release signal is reset and/or AC power is restored.

Low Battery Disconnect (Standard)
Batteries are disconnected from the output circuit prior to deep discharge preventing battery destruction.

Isolated Charging Circuit (Standard)
While the charging output is 13.5VDC or 27VDC, the secondary output is unaffected and precisely maintained at the selected 12 or 24VDC. This ensures system components are powered by their specified voltage.

The secondary output current is maintained at the full 2 Amp capacity and is not de-rated when charging batteries.

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Ordering Information

632RFL 2 Amp Power Supply Only
Less Cabinet

632RF 2 Amp Power Supply
12"W x 12"H x 4"D Cabinet

632RFA 2 Amp Power Supply
16"W x 14"H x 6.5"D Cabinet

Options

MR-1 Push switch for manual reset of emergency release and AC power loss. California state compliant (CSFM). Consult your local Authority Having Jurisdiction (AHJ) for reset requirements. (See description page 1)

PC 6 foot Power Cord.

KL Key locked cover.

14-2 7-day skip-a-day timer.

PS-1 On-Off Push switch inside cabinet. 632RFA only.

PS-1A On-Off push switch on cover.

230V 220/230VAC, 50/60 Hz input. (Not UL Listed)

RB12V4

RB12V7

IDC power supplies equipped with batteries provide continuous operation of access controls, locking devices and peripheral components during a power failure.
See Table 2 & 3 to determine battery requirements for standby power.

RB12V4 12VDC, 5 Amp Hour Battery
632RF capacity, 4 maximum

RB12V7 12VDC, 8 Amp Hour Battery
632RFA capacity, 6 maximum

*Table 1: Control Module Capacity **

Power Supply:	632RF		632RFA	
Battery Qty.	0-2	3-4	0-2	3-6
	RB12V4		RB12V7	
FB4	4	2	4	4
12VR	4	2	4	4
PSM	1	1	1	1
UR-2A, UR-4A	NA	NA	2	1
TD	4	2	8	4
CR	4	2	8	4
CR-4	2	1	4	2
ACM-1	2	1	4	2
LR	4	2	8	4
PB-8, PB-16	2	2	2	2

* Total combined load of modules and access control hardware may not exceed 2 amp.

Specification Example

Specify model, options, modules and batteries.

632RF x KL/PS-1 x 2 FB4 x 2 RB12V4
632RFA x KL x CR4 x 4 RB12V7

632RFL
Less Cabinet

Electrical Specifications

Input:
115VAC @ 800mA, 50/60 Hz, Fused
(220/230VAC 50/60 Hz optional)

Selectable Secondary Output:
12VDC or 24VDC @ 2 Amp,
poly fuse protected, Class 2

Battery Charger Output:
PTC protected 250mA @ 13.5 or 27VDC

632RF x PC x CR4 x 2 RB12V4

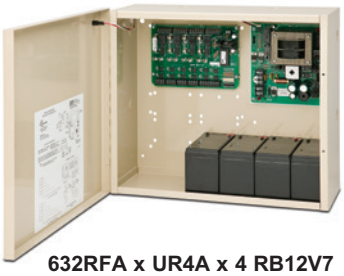
Mechanical Specifications

632RF:
12"W x 12"H x 4"D
(305 x 305 x 102mm)

Material: Steel, 20 Ga., (0.912mm)

632RFA:
16"W x 14"H x 6.5"D
(406.4 x 355.6 x 165.1mm)

Material: Steel, 16 Ga., (1.52mm)



632RFA x UR4A x 4 RB12V7

Table 2: 12VDC Standby Power

5 Ah Battery Qty	1	2	4	
Amp Hours	5Ah	10Ah	20Ah	
Load/Amps	Power Back-up Time in Hours			
0.25	19.6	49	124	
0.50	7.8	20	49	
1.00	3.1	11.3	19.4	
1.50	1.8	4.5	11.3	
2.00	1.2	3.1	7.7	
8 Ah Battery Qty	**1**	**2**	**4**	**6**
Amp Hours	8Ah	16Ah	32Ah	48Ah
Load/Amps	Power Back-up Time in Hours			
0.25	36.7	92	232	400
0.50	14.5	36	92	157
1.00	5.7	14.4	36	62
1.50	3.3	8.4	21	36
2.00	2.3	5.7	14.4	24.7

Table 3: 24VDC Standby Power

5 Ah Battery Qty	2	4	
Amp Hours	5Ah	10Ah	
Load/Amps	Power Back-up Time in Hours		
0.25	19.6	49	
0.50	7.8	20	
1.00	3.1	11.3	
1.50	1.8	4.5	
2.00	1.2	3.1	
8 Ah Battery Qty	**2**	**4**	**6**
Amp Hours	8Ah	16Ah	24Ah
Load/Amps	Power Back-up Time in Hours		
0.25	36.7	92	158
0.50	14.5	36	62.7
1.00	5.7	14.4	24.8
1.50	3.3	8.4	14.4
2.00	2.3	5.7	9.8

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MODULAR ACCESS CONTROL POWER SUPPLY

634RF 4 AMP

POWER SUPPLY

Modular Access Control Power Supply

- ***Field Selectable 12VDC or 24VDC Output - Standard***
- ***Dual 12VDC and 24VDC Output - Optional***

Quality, Performance and Versality

The IDC 634RF Power Supplies have been developed specifically to support electric locks and access controls. The high performance, heavy-duty 4 Amp circuitry is ideal for inductive loads and multi-door applications. The modular design is built around several different application control modules to meet your specific needs for virtually any electric lock system. Documentation is provided to ensure a well organized installation for individual or multi-door systems that may include locking devices, access controls, station controls and consoles for remote control, annunciation and auxiliary emergency release interface. IDC 600 Series power supplies are manufactured according to ISO 9001 - 2000 certified quality standards.

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UL LISTED
Access Control Power Supply - ALVY
General Purpose Power Supply - QQFU/QQFU7

Modular Design

Ten different, individually fused door control modules are available for virtually any application. Time delays, latching relays and multiple station circuit breaker modules are available for custom configuration.

DIP Switch Select System Operation

Specification of the UR Series Access Hardware Controller provides for six standard DIP switch selectable system and mantrap variations for multiple door systems.

Features

Filtered and Regulated
The output filtering stabilizes the DC output voltage and eliminates AC line noise. The solid state regulator maintains the selected output voltage at 12VDC or 24VDC regardless of the output load changes, including battery charging.

Field Selectable 12 or 24VDC
The output is field selectable for 12 or 24VDC output.

Class 2 Output
The 634RF Power Supply may be configured to use one 4 Amp output or two 2 Amp, Class 2 outputs. Where permitted by code, conduit is not required for low voltage wiring when using Class 2 outputs. The total current draw from all outputs must not exceed 4 Amps.

Battery Charger Output
A separate PTC protected, battery charger output provides 13.5VDC or 27VDC.

LED System Status Indicator
Amber - AC and DC voltages are OK
Green - No DC output
Red - No AC input, powered by batteries

Large Heavy Gauge Enclosure
Model 634RF is housed in a 16 gauge, 16"W x 14"H x 6.5"D cabinet large enough to accommodate several additional modules and six 7 Amp hour batteries with plenty of room for wiring.

Value Added Features

Emergency Release Input (Standard)
A signal input from the fire life safety system turns off the secondary output releasing all failsafe locks. When not used for emergency release, this input may be used as main on-off control.

California Compliant Manual Reset of Emergency Release and AC Power Loss (Optional)
When this feature is required, should an AC power loss occur or the emergency release input is actuated, personnel must restore secondary output power manually at the power supply after the emergency release signal is reset and/or AC power is restored.

Low Battery Disconnect (Standard)
Batteries are disconnected from the output circuit prior to deep discharge preventing battery destruction.

Isolated Charging Circuit (Standard)
While the charging output is 13.5VDC or 27VDC, the secondary output is unaffected and precisely maintained at the selected 12 or 24VDC. This ensures system components are powered by their specified voltage.

The secondary output current is maintained at the full 2 Amp capacity and is not de-rated when charging batteries.

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Model

634RF 4 Amp Power Supply
One 4 Amp output and two
2 Amp Class 2 outputs standard

Options

MR-1 Push switch for manual reset of emergency release and AC power loss. California state compliant (CSFM). Consult your local Authority Having Jurisdiction (AHJ) for reset requirements.
(See description page 1)

KL Key locked cover.

14-2 7-day skip-a-day timer.

PS-1 On-Off Push switch in cabinet.

PS-1A On-Off Push switch on cover.

230V 220/230VAC, 50/60/HZ input.

RB12V7

IDC power supplies equipped with batteries provide continuous operation of access controls, locking devices and peripheral components during a power failure.
See Table 2 & 3 to determine battery requirements for standby power.

RB12V7 12VDC, 7 Amp Hour Battery
634RF 6 max.

Specifications

Specify model, options, modules and batteries.
Example:
634RF x KL x 2 CR-4 x 6 RB12V7
634RF x PS-1 x 4 PTC4-075 x 6 RB12V7

Specifications

Input:
1 Amp @115VAC 50/60 Hz
(230VAC 50/60Hz optional, not UL listed)

Input Protection:
1 Amp, manually resetable circuit breaker

Selectable Secondary Output:
One, 4 Amp @ 12VDC or 24VDC or
Two, Class 2, 2 Amp @12VDC or 24VDC

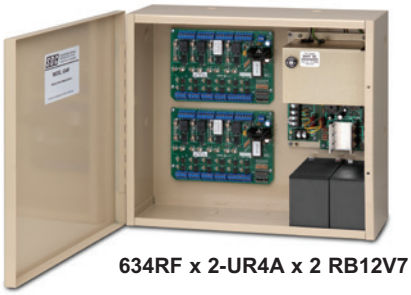
Output Protection:
Auto resetting Poly Fuse per output

Battery Charger Output:
500 mA @ 13.5 or 27VDC

Battery Charger Protection:
Auto resetting Poly Fuse

Dimensions: 16" W x 14" H x 6.5" D
(406 W x 355 H x 165 D mm)

Material: 16 gauge (1.52 mm) steel



634RF x 2-UR4A x 2 RB12V7

*Table 1: Control Module Capacity **

Power Supply:	634RF	
Battery Qty.	0-2	3-6
	RB12V7	
FB4	8	4
12VR	4	4
PSM	1	1
UR-2A, UR-4A	2	1
TD	8	4
CR	8	4
CR-4	4	2
ACM-1	4	2
LR	8	4
PB-8, PB-16	4	4

Table 2: 12VDC Standby Power

8 Ah Battery Qty	1	2	4	6
Amp Hours	8Ah	16Ah	32Ah	48Ah
Load/Amps	Power Back-up Time in Hours			
2	2.3	5.7	14.4	24.7
2.5	1.7	4.2	10.7	18.3
3	1.3	3.3	8.4	14.3
3.5	1.1	2.7	6.8	11.7
4	.5	1.3	3.3	5.7

Table 3: 24VDC Standby Power

8 Ah Battery Qty	2	4	6
Amp Hours	8Ah	16Ah	24Ah
Load/Amps	Power Back-up Time in Hours		
2	2.3	5.7	9.8
2.5	1.7	4.2	7.3
3	1.3	3.3	5.7
3.5	1.1	2.7	4.6
4	.9	2.3	3.9

* Total combined load of modules and access control hardware may not exceed 4 amp.

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MODULAR ACCESS CONTROL POWER SUPPLY

636RF 6 AMP

POWER SUPPLY

Modular Access Control Power Supply

- ***Field Selectable 12VDC or 24VDC Output - Standard***
- ***Dual 12VDC and 24VDC Output - Optional***

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UL LISTED
Access Control Power Supply - ALVY
General Purpose Power Supply - QQFU/QQFU7

Quality, Performance and Versatility

The IDC 636RF Power Supplies have been developed specifically to support electric locks and access controls. The high performance, heavy-duty 6 Amp circuitry is ideal for inductive loads and multi-door applications. The modular design is built around several different application control modules to meet your specific needs for virtually any electric lock system. Documentation is provided to ensure a well organized installation for individual or multi-door systems that may include locking devices, access controls, station controls and consoles for remote control, annunciation and auxiliary emergency release interface. IDC 600 Series power supplies are manufactured according to ISO 9001 - 2000 certified quality standards.

Modular Design

Ten different, individually fused door control modules are available for virtually any application. Time delays, latching relays and multiple station circuit breaker modules are available for custom configuration.

Dip Switch Select System Operation

Specification of the UR Series Access Hardware Controller provides for six standard DIP switch selectable system and mantrap variations for multiple door systems.

Features

Filtered and Regulated
The output filtering stabilizes the DC output voltage and eliminates AC line noise. The solid state regulator maintains the selected output voltage at 12VDC or 24VDC regardless of the output load changes, including battery charging.

Field Selectable 12 or 24VDC
The output is field selectable for 12 or 24VDC output.

Class 2 Output
The 636RF Power Supply may be configured to use one 6 Amp output or three 2 Amp, Class 2 outputs. Where permitted by code, conduit is not required for low voltage wiring when using Class 2 outputs. The total current draw from all outputs must not exceed 6 Amps.

Battery Charger Output
A separate PTC protected, battery charger output provides 13.5VDC or 27VDC.

LED System Status Indicator
Amber - AC and DC voltages are OK
Green - No DC output
Red - No AC input, powered by batteries

Large Heavy Gauge Enclosure
Model 636RF is housed in a 16 gauge, 16"W x 14"H x 6.5"D cabinet large enough to accommodate several additional modules and six 7 Amp hour batteries with plenty of room for wiring.

Value Added Features

Emergency Release Input (Standard)
A signal input from the fire life safety system turns off the secondary output releasing all failsafe locks. When not used for emergency release, this input may be used as main on-off control.

California Compliant Manual Reset of Emergency Release and AC Power Loss (Optional)
When this feature is required, should an AC power loss occur or the emergency release input is actuated, personnel must restore secondary output power manually at the power supply after the emergency release signal is reset and/or AC power is restored.

Low Battery Disconnect (Standard)
Batteries are disconnected from the output circuit prior to deep discharge preventing battery destruction.

Isolated Charging Circuit (Standard)
While the charging output is 13.5VDC or 27VDC, the secondary output is unaffected and precisely maintained at the selected 12 or 24VDC. This ensures system components are powered by their specified voltage.

The secondary output current is maintained at the full 2 Amp capacity and is not de-rated when charging batteries.

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Model

636RF 4 Amp Power Supply
One 4 Amp output and two
2 Amp Class 2 outputs standard

Options

MR-1 Push switch for manual reset of emergency release and AC power loss. California state compliant (CSFM). Consult your local Authority Having Jurisdiction (AHJ) for reset requirements.
(See description page 1)

KL Key locked cover.

14-2 7-day skip-a-day timer.

PS-1 On-Off Push switch in cabinet.

PS-1A On-Off Push switch on cover.

230V 220/230VAC, 50/60/HZ input.

RB12V7

IDC power supplies equipped with batteries provide continuous operation of access controls, locking devices and peripheral components during a power failure.
See Table 2 & 3 to determine battery requirements for standby power.

RB12V7 12VDC, 7 Amp Hour Battery
636RF 6 max.

Specifications

Input:
1 Amp @115VAC 50/60 Hz
(230VAC 50/60Hz optional, not UL listed)

Input Protection:
1 Amp, manually resetable circuit breaker

Selectable Secondary Output:
One, 4 Amp @ 12VDC or 24VDC or
Two, Class 2, 2 Amp @12VDC or 24VDC

Output Protection:
Auto resetting Poly Fuse per output

Battery Charger Output:
500 mA @ 13.5 or 27VDC

Battery Charger Protection:
Auto resetting Poly Fuse

Dimensions: 16" W x 14" H x 6.5" D
(406 W x 355 H x 165 D mm)

Material: 16 gauge (1.52 mm) steel

636RF x 2 UR4A x 2 RB12V7

*Table 1: Control Module Capacity **

Power Supply:	634RF	
Battery Qty.	0-2	3-6
	RB12V7	
FB4	8	4
12VR	4	4
PSM	1	1
UR-2A, UR-4A	2	1
TD	8	4
CR	8	4
CR-4	4	2
ACM-1	4	2
LR	8	4
PB-8, PB-16	4	4

Table 2: 12VDC Standby Power

8 Ah Batteries	1	2	4	6
Amp Hours	8Ah	16Ah	32Ah	48Ah
Load/Amps	Power Back-up Time in Hours			
2	2.3	5.7	14.4	24.7
2.5	1.7	4.2	10.7	18.3
3	1.3	3.3	8.4	14.3
3.5	1.1	2.7	6.8	11.7
4	.5	1.3	3.3	5.7
5	.7	1.7	4.2	7.2
6	.5	1.3	3.3	5.7

Table 3: 24VDC Standby Power

8 Ah Batteries	2	4	6
Amp Hours	8Ah	16Ah	24Ah
Load/Amps	Power Back-up Time in Hours		
2	2.3	5.7	9.8
2.5	1.7	4.2	7.3
3	1.3	3.3	5.7
3.5	1.1	2.7	4.6
4	.9	2.3	3.9
5	.7	1.7	2.9
6	.5	1.3	2.3

* Total combined load of modules and access control hardware may not exceed 4 amp.

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DOOR CONTROL MODULES

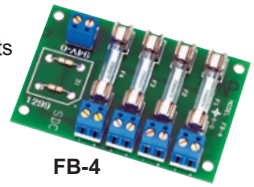
DOOR CONTROL

Door control relay modules ensure compatibility of access hardware components and simplify system installation and troubleshooting. Different modules may be specified for one power supply.

The isolated relay design allows small gauge cable runs of 22 gauge wire up to 1000 feet from the trigger device to the module.

MULTIPLE FUSED OUTPUT

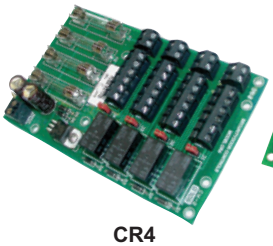
FB-4 Four 2 Amp fuse protected outputs allow for precisely calculated circuit protection. Four modules provide 16 outputs.



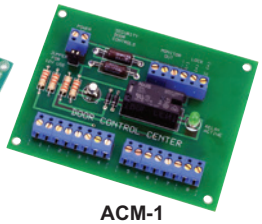
FB-4

TD

CR



CR4



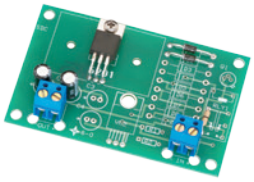
ACM-1

LR

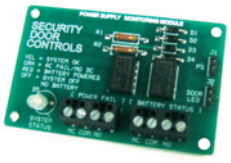
PB-8

PB-16

14-2



12VR



PSM

Contacts: 2.5 Amps inductive, 5 Amps resistive @ 30VDC unless specified otherwise.

TD Time Delay Relay Module
Voltage input: 35mA @12/24VDC
Timer Adj: 1-120 seconds
(1) Non-Fused, SPDT dry contact
(1) Fused SPDT voltage output
(1) N.O. dry trigger input
(1) N.C. dry trigger input
(1) Normally off voltage trigger input
(1) Anti-Tailgate N.O. timer reset input
3.25"W x 2"H (83 x 51mm)

CR-12, CR-24 Relay Module
Voltage input: 35mA, specify 12V or 24VDC
(1) Fused, SPDT voltage output
(1) SPDT dry contact
(1) N.O. dry trigger input
(1) Normally off, voltage trigger input
3.25"L x 2"W (83 x 51mm)

CR4 Four Station Relay Module
Voltage input: 120 mA @ 12/24VDC
(4) Fused, 2A SPDT dry outputs
or voltage outputs
(4) 2A SPDT dry outputs
(4) N.O. dry trigger inputs
6"L x 3"W (152 x 76mm)

ACM-1 Access Control Module
Voltage input: 45mA @ 12/24VDC
(1) SPDT voltage output
(1) SPDT dry contact
(8) SPDT trigger inputs (4-NC,4-NO)`
(1) LED status indicator
4.25"L x 3.25"W (127 x 83mm)

LR-12, LR-24 Latching Relay Module
Voltage input: 45mA, specify 12V or 24VDC
(1) Fused, SPDT voltage output
(1) N.O. dry trigger input
3.25"L x 2"W (83 x 51mm)

PB-8 8 Amp Power Booster
Voltage input: 85mA @ 24VDC input
(1) N.O. Dry trigger Input:
(1) Fused SPDT voltage output
8 Amp Surge
1 Amp Continuous
3.25”W x 2”H (83 x 51mm)

PB-16 16 Amp Power Booster
Voltage input: 85mA @ 24VDC input
(1) N.O. Dry trigger Input:
(1) Fused SPDT voltage output
16 Amp Surge
1 Amp Continuous
3.25”W x 2”H (83 x 51mm)

14-212 14-224 Seven Day Timer
Field programmable, 7 day timer module recommended for automatic timed locking and unlocking of one door or all doors on the same circuit. Schedule up 6 events maximum on single or multiple days, manual on-off override. Replaceable lithium battery maintains time and schedule during power outage.
Input: 30mA, specify 12V or 24V AC/DC
SPDT dry contact, 16 Amps @ 30VDC
2.375”H x 2.375”W x 1.25”D (60.3 x 60.3 x 32mm)

DUAL 12VDC Outputs (Optionals)

12VR Voltage Regulator
12VDC regulated and filtered output provides with the power supply output set at 24VDC for locking devices and components, the addition of the 12VR provides a separate 12VDC, 500 mA output for 12VDC access controls and components. The total combined 12V/24V load may not exceed the maximum power supply output rating. Add up to four 12VR modules max.
Input: 24VDC
Output: 500 mA @ 12VDC

Remote Monitoring

PSM Power Supply Remote Monitoring Module
The PSM Power Supply Monitoring module provides 2-SPDT, 1 Amp contacts to remotely monitor power supply and battery status.

Remote annunciation conditions include:
- System OK
- AC Fail – No DC Output
- Battery Powered
- System Off – No Battery

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TRANSFORMERS

POWER SUPPLIES

TR12

Plug-in DC Power supply with 2 secondary outputs.

- Primary: 120VAC, Grounded
- 1 Fused, Unregulated Lock Output: 12VDC @ 780 mA
- 1 Regulated Access Control Output: 12VDC @ 150 mA
- Screw Terminals

TR24

Plug-In DC Supply

- Primary: 120VAC, grounded
- Secondary: Fused, unregulated 24VDC @ 1Amp
- 6 Ft. Cord

TP1220

Plug-In Transformer

- Primary: 120VAC
- Secondary: fused, 12VAC @ 1.65Amps (screw terminals)
- UL Listed, Class 2

TP2440

Plug-In Transformer

- Primary: 120VAC
- Secondary: fused, 24VAC @ 1.65Amps (screw terminals)
- UL Listed, Class 2

TJ2440

J-Box or Base Mounted Transformer

- Primary: 120VAC (wire leads)
- Secondary: 24VAC @ 1.65Amps (screw terminals)
- UL Listed, Class 2

TB2450

Base Mounted Transformer

- Primary: 120VAC/240VAC (screw terminals)
- Secondary: 24VAC @ 2Amps (screw terminals)
- Field replaceable fuse
- UL Listed

TB24100

Base Mounted Transformer

- Primary: 120VAC/240VAC (screw terminals)
- Secondary: 24VAC @ 4Amps (screw terminals)
- Field replaceable fuse
- UL Listed

BR64XL

Full Wave Bridge Rectifier

- Input: 12 or 24VAC
- Output: 12 or 24VDC
- 4 Amps Maximum Load

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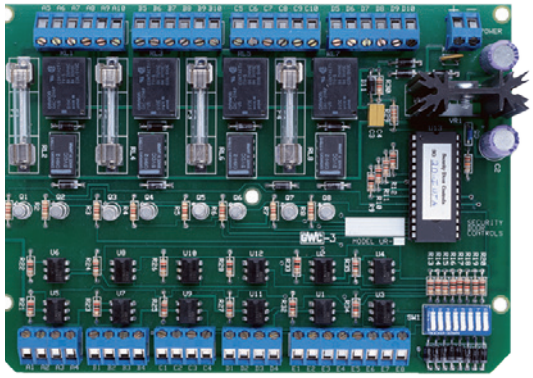
UNIVERSAL DOOR CONTROL

MODULES

Field Programmable Access Hardware Controller



The UR4A is capable of providing the logic of 8 relays.

Time Delay Logic

Latching or Conventional Relay Logic

"Security Industry Finest"
ISC Expo East and West

UR-2A Two Station Controller
UR-4A Four Station Controller
6 Field Selectable Application Modes

The UR series is a microprocessor based controller that provides 7 different, field selectable application modes for two, three or four stations. 1 or 2 controller may be installed in IDC 600 series power supplies. Single and multiple controllers may be mounted in remote junction boxes and powered by a single power supply.

Interface and Centralized Wiring

The UR Series Access Hardware Controller provides complete system interface capability and centralized wiring of all components, including; access controls, electric locks, peripheral equipment and monitoring contacts.

Reduced Components and Engineering

Applications that require several individual relays may be costly and complicated, requiring additional engineering time to produce the proper system logic. The UR eliminates the need for multiple or different relays. All system logic is reduced to one controller.

Selectable Output Modes

- Conventional Relay
- Latching Relay (pulse on, pulse off) Latch individual station or all stations
- Time Delay Relay 1-35 seconds
- *Dual, Latching & Time Delay Relay
- Mantrap - All doors normally locked
- Interlock - All doors normally unlocked
- Interlock - 1 door locked, 1 door unlocked. **UR-2A only**

*Primary input triggers the Time Delay
Auxiliary input triggers latch function

The relay mode may be different per individual station. When mantrap or interlock mode is selected all outputs operate the same.

Documentation

Several access control and mantrap system wire diagrams are provided for common applications.

UR-2A Specifications

Input Voltage: 12 or 24VDC +/- 10%

Input Current: 280 mA, at rest
350 mA, operating

Trigger Inputs: N.O. Dry, Optically Isolated

Outputs:
2 Fused SPDT Dry, 5 Amp @ 30VDC
2 Non-fused, SPDT Dry, 1 Amp @ 30VDC

UR-4A Specifications

Input Voltage: 12 or 24VDC +/- 10%

Input Current: 350 mA, at rest
430 mA, operating

Trigger Inputs: N.O. Dry, Optically Isolated

Outputs:
4 Fused SPDT Dry, 5 Amp @ 30VDC
4 Non-fused, SPDT Dry, 1 Amp @ 30VDC

Dimensions: 7" W x 5" H x 2" D
(177.8 x 127 x 50.8 mm)

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POWER TRANSFER
DEVICES

Fire Rated Electric Power Transfer Hinges

UL LISTED
10B Listed For
3 Hrs Fire Rated Doors

Features
- 4.5' Ft Cable
- UL10B Listed for 3 Hour Fire Rated Doors.
- Wire Replacement Warranty

Application
Installed in the center hinge position of the door, PTH Power Transfer Hinges provide the concealed wires required to transfer power from the frame to electric hardware in the door for control and monitoring capability.

PTH-4Q Four (4) Conductor Power Transfer Hinge
1 Amp @ 12/24V per pair
4.5" x 4.5" standard weight, 626 Dull Chrome

PTH-4Q-DPS Four (4) Conductor Power Transfer Hinge with Door Status Contact
1 Amp @ 12/24V per pair
Door Status Contact: 250 mA @ 30VDC
4.5" x 4.5" standard weight, 626 Dull Chrome

PTH-10Q Ten (10) Conductor Power Transfer Hinge
1 Amp @ 12/24V per pair
4.5" x 4.5" standard weight, 626 Dull Chrome

PTH-10Q-DPS Ten (10) Conductor Power Transfer Hinge with Door Status Contact
1 Amp @ 12/24V per pair
Door Status Contact: 250 mA @ 30VDC
4.5" x 4.5" standard weight, 626 Dull Chrome

FOR VON DUPRIN EL 33 AND 99 SERIES EXIT DEVICES AND OTHER HIGH INRUSH DEVICES
The PTH-2-4 hinges have been tested with Von Duprin* EL devices and Von Duprin power booster at Underwriters Laboratories.

PTH-2-4Q 16 Amp Inrush, 6 conductor power transfer hinge
1-pair 16 Amp inrush, 4 Amp continuous; 2-pair 1 Amp @ 12/24V
4.5" x 4.5" standard weight, 626 Dull Chrome

PTH-2-4QDPS 16 Amp Inrush, 6 conductor power transfer hinge, with door status contact
1-pair 16 Amp inrush, 4 Amp continuous; 2-pair 1 Amp @ 12/24V
Concealed Door Position Contact, 250 mA @ 30VDC
4.5" x 4.5" standard weight, 626 Dull Chrome

PT-2U

PT-3V

PT-5

Fire Rated Concealed Mortise Power Transfer

PT-5 Concealed Mortise Mount Power Transfer Loop
Frame mortised steel dust box with flexible steel loop and chrome finish. Recommended for use with hollow metal frames. UL Listed

Dimensions: 11.5"H x 1"W x 0.75"D (292 x 25.4 x 19mm)

UL LISTED 10B Listed For
3 Hrs Fire Rated Doors

Power Tranfer Loops

18" (447mm) stainless steel armored flex conduit with small plastic end caps or termination box. Recommended for use with hollow metal and aluminum frames.

PT-2U With black end caps

PT-3V With aluminum wire termination box

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PTM Heavy Duty Series

POWER TRANSFER

CONCEALED ELECTRIC POWER TRANSFER

UL LISTED

Miscellaneous Fire Door Accessories
UL 10C 3 Hr Fire Rated
Classified per UBC 7-2

MODELS

2 Conductor: Two (2) 18 Ga. wires, 5 Amp @ 12/24 V AC/DC

PTM-2AL **US28** equivalent, Aluminum Powder Coat

PTM-2BZ **US10B** equivalent, Dark Brown Powder Coat

10 Conductor: Ten (10) 24 Ga. wires, 1 Amp @ 12/24V AC/DC

PTM-10AL **US28** equivalent, Aluminum Powder Coat

PTM-10BZ **US10B** equivalent, Dark Brown Powder Coat

FEATURES

- Power control input for electric locks and exit devices, locked, latched, mantrap, forced entry, open status signal wiring
- Mortise door and frame installation. The PTM is completely concealed when the door is closed.
- All metal design with stainless steel tubular wire transfer and heavy cast housing with steel back boxes provide weather and tamper resistance when door is open or closed.
- Fasteners for wood, steel and aluminum doors and frames included
- UL Listed Miscellaneous Fire Door Accessories
  - UL 10C Listed for up to 3 Hr Fire Rated doors and frames
  - Classified according to Uniform Building Code (UBC)
- Standard 7-2, "Fire Test of Door Assemblies" (1997)

IDC's heavy duty Electric Power Transfer Device provides a concealed and secure means of transferring electric lock and exit device power and signal wires from the frame to the door.

Completely concealed when the door is closed the PTM Electric Power Transfer Device is ideal for heavy traffic and applications requiring higher security to inhibit tampering and abuse.

COMPATIBLE OPENINGS

- 1-3/4" thick doors
- 0 - 180° opening swing with up to ¾" offset pivots
- 0 - 180° opening swing with up to 5" wide butt hinges
- 0 - 130° opening swing with up to 5-1/2" wide butt hinges
- 0 - 130° opening swing with up to 6" wide butt hinges

Not Compatible with: Center Hung Doors, Swing-Clear Hinges, Pocket Pivots, Butt Hinges Larger Than 6", And 1-1/2" Offset Pivots

Housing Dimensions:

- 9" H x 1-1/4" W x 1-5/8" D (229mm x 32mm x 41mm)

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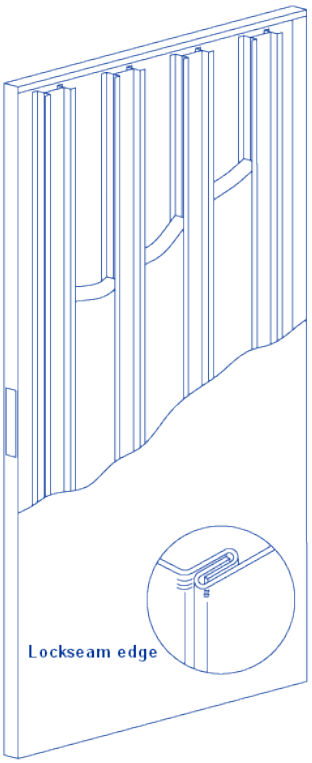
www.intldoorclosers.com

HOLLOW METAL DOORS

FEATURES

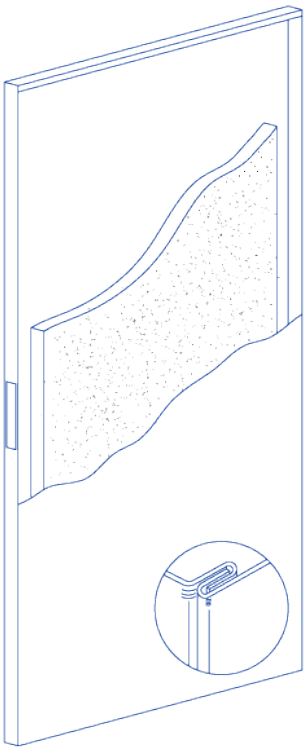
IDC custom steel doors are manufactured to the highest industry standards with many features exceeding the minimum requirements set forth in those standards. Fabrication is in accordance with HMMA 860, HMMA 861, HMMA 867 and ANSI A250.8. IDC steel stiffened and polystyrene doors have been tested and found to meet/exceed the requirements of ANSI A250.4.



TYPICAL DOOR CONSTRUCTION DETAILS

Steel Stiffened Door HMMA 861

22 Ga. Stiffeners Spaced 6" apart Standard
2.5 lb. Density Mineral Fiber Standard
7 Ga. Hinge Reinforcement Standard
11 Ga. Lock Tabs Standard
Standard Edge Seam Tack Welded, Filled and Finished Smooth
Open Seam and Continuously Welded Available



Polystyrene Door HMMA 867

Rigid Pre-formed Close Cell Board 1 lb. Density
Core U-Factor .156
Conforms to ASTM C578, Type 1
7 Ga. Hinge Reinforcement Standard
11 Ga. Lock Tabs Standard
Standard Edge Seam Tack Welded, Filled and Finished Smooth Open Seam and Continuously Welded Available

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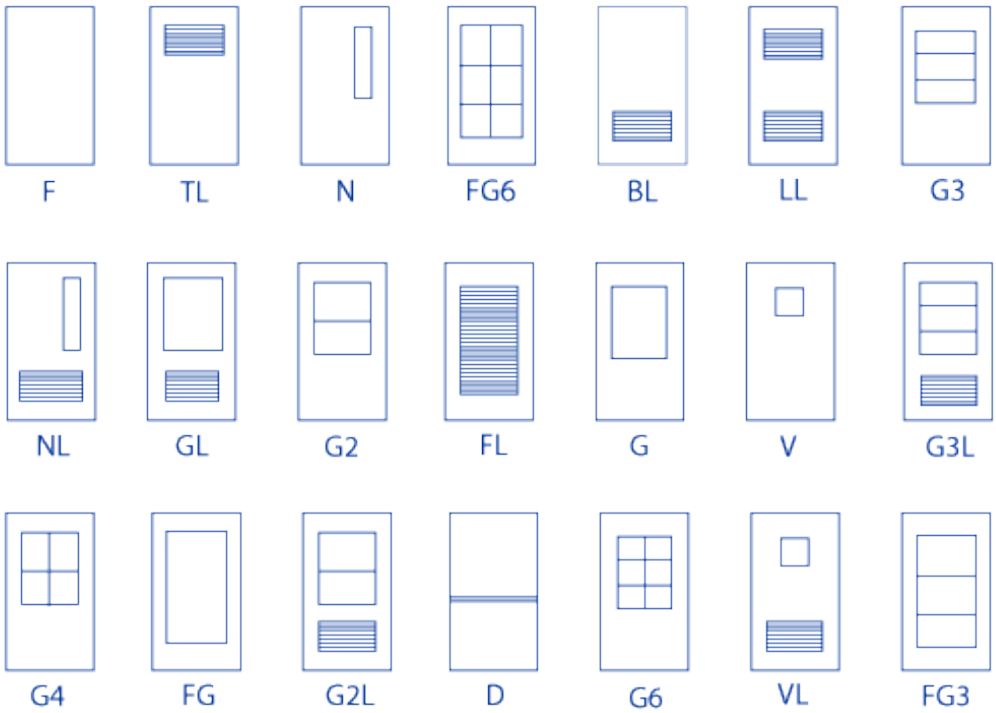
DOOR ELEVATIONS



Vision Light Frames and Louvers are flush design integral with door standard

SEVERE WINDSTORM PRODUCTS

IDC windstorm products have been tested to the requirements for hurricane susceptible and wind borne debris regions as defined in the International Building Code and the Florida Building Code. Products are tested for impact resistance, design pressure and structural integrity while incorporating various commercial hardware applications. Product certification and validation by Underwriters Laboratories. Each windstorm product bears a UL Certified Listing Mark.

Test methods ANSI A250.13 Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies ASTM E330-02 Standard Test Method for Structural Performance of Exterior Windows, Doors Skylights and Curtain Walls by Uniform Static Air Pressure Difference ASTM E1886-05 Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials ASTM E1996-05 Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Windborne Debris in Hurricanes, Missile D, Wind Zone 4 ASTM E1996-09 Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Windborne Debris in Hurricanes, Missile D, Wind Zone 4

- Design Pressure- 70 psf
- Wind Speed- 140 mph
- Steel stiffened door construction

Single Opening

16 gauge min.- CR, A60, SS (door and frame)
Hardware:

Cylindrical lock

Mortise lock (also mortise deadbolt and mortise exit device)

Rim exit device

Pair Opening

16 gauge min.- CR, A60, SS (doors and frame)
Hardware:

- **Cylindrical lock/Surface bolt**
- **Mortise lock (also deadbolt and mortise exit device)/ Surface bolt**
- **Rim exit device/Rim exit device/Hardware mullion**
- **Concealed vertical rod/Concealed vertical rod**
- **Surface vertical rod/Surface vertical rod**
- **State of Florida DBPR Approved**
- **Contact customer service for additional information, limitations and expanded product availability**

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THERMAL RATED PRODUCTS

IDC products were one of the first steel door companies to test to the new and improved test standards. Door testing resulted in a wide range of products being added to our portfolio of doors for exterior applications. Results are based on actual data collected during laboratory testing of full door openings.

IDC doors have been tested for performance in accordance with ASTM C1199-09 Standard Test Method for Measuring the Steady-State Thermal Transmittance of Fenestration Systems Using Hot Box Methods

Products are available with U-factors ranging from 0.57 to 0.36 (R= 1.75 to 2.75). Steel stiffened, polystyrene and polyiso doors were included in the tests. Ratings are significantly better than those obtained from tests performed on wood and aluminum doors.

Thermal performance tests measure a door's thermal conductivity known as "U-Factor" and its inverse which is termed thermal resistance or R-Value. U-factors have units in the Inch-Pound system of BTUs per hour per square foot per degree (Fahrenheit) or Btu/hr-ft2-F. R-values have the rather unintuitive units of: hr-ft2-F/Btu. U-factor is based on measured heat flow through a sample at the temperature difference of the air on the indoor and outdoor sides. New test criteria provide realistic values representative of actual room conditions and are based on the full surface of an operable door rather than just the center portion of the door surface as with old test procedures.

Associated Standards:

- ASTM C1363-05 Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus
- ASTM E1423-06 Standard Practice for Determining Steady State Thermal Transmittance of Fenestration Systems.
- SDI 113 Standard Practice for Determining the Steady State Thermal Transmittance of Steel Door and Frame Assemblies.
- ASTM C1363 alone is not intended to determine performance of fenestration systems.
- ASTM C1199 has been established for this purpose and is used in conjunction with ASTM E1423 and ASTM C1363. (Source reference ASTM C1363, Scope, para 1.8- http://www.astm.org/Standards/C1363.htm)

Contact customer service for additional information and product availability

THERMAL RATED PRODUCTS

Sound rated doors by IDC have been tested and certified by nationally recognized testing laboratories. All doors are 1 3/4" thick and do not require cam lift hinges. Rated frames are also available. We match other manufacturers' hardware locations at no extra cost.

Sound Rated Products

Testing and certification in accordance with the following national test standards:

- ASTM E90-09 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- ASTM E413-10 Classification for Rating Sound Insulation
- ASTM E1332-10a Standard Classification for Rating Outdoor-Indoor Sound Attenuation
- ASTM E2235-04 Standard Test Method for Determination of Decay Rates for Use in Sound Insulation Test Methods

Hardware Options Tested

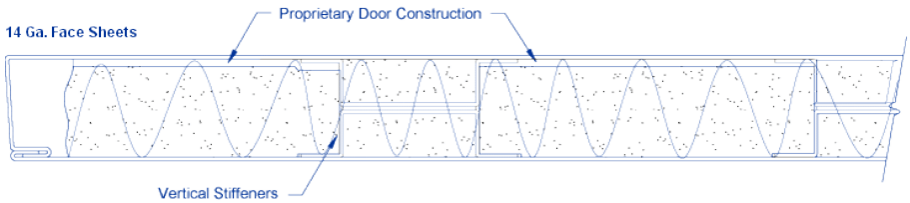
- Cylindrical lock prep
- Mortise lock prep
- Regular heavy weight butt hinges

Seals and Gasketing

- Provided for operable units

Ratings

- **STC 49 (operable)**
- **STC 48 (operable)**
- **STC 47 (operable)**
- **STC 39 (operable)**
- **STC 36 (operable)**
- **STC 52 (fully sealed/inoperable with hardware preps)**
- **STC 51 (fully sealed/inoperable with hardware preps)**
- **Operable standard polystyrene core available with STC 28 (18 ga. std. const.)**
- **Operable standard temp rise available with STC 36 (18 ga. std. const.)**
- **Inoperable proprietary polystyrene based core available with STC 43 (16 ga.)**
- **Frames grouted**
- **Contact customer service for additional information.**



Various hardware and seal combinations available
Standard heavy weight hinges may be used

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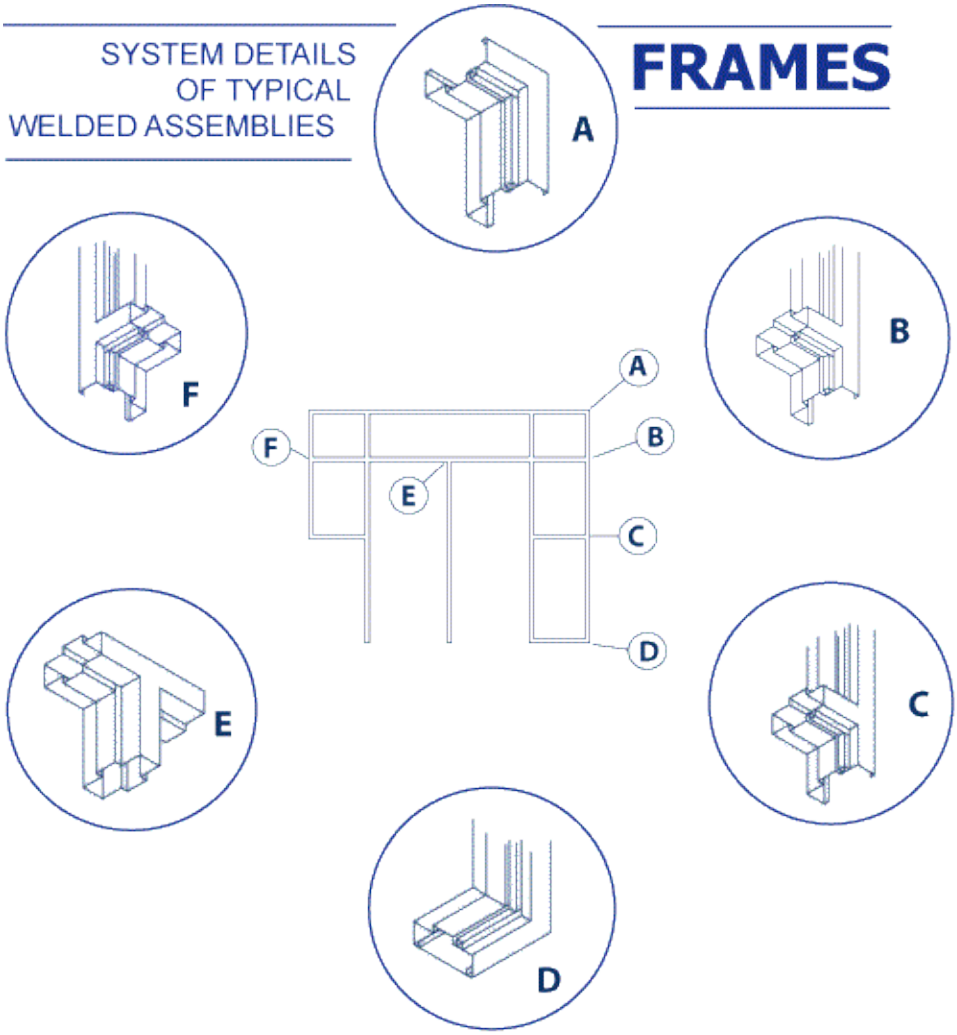
METAL FRAMES

FEATURES

IDC custom steel frames are manufactured to the highest industry standards with many features exceeding the minimum requirements of the standards. Fabrication is in accordance with HMMA 860, HMMA 861 and ANSI A250.8

FRAME CONSTURCTION DETAILS



FRAME CORNERS AND BUTTED MULLION CONNECTIONS ARE CONTINUOUSLY WELDED AND FINISHED SMOOTH.

BEFORE BEING PAINTED WITH A RUST RESISTANT PRIMER, FRAMES ARE THOROUGHLY CLEANED AND DEGREASED USING A LIQUID IRON PHOSPHATE PROCESS.

FACTORY APPLIED PRIMER MEETS ALL REQUIREMENTS OF ASTM B117 AND ANSI A224.1.

PRIMER TEST RESULTS:

SALT SPRAY	120 HOURS
HUMIDITY	240 HOURS
IMPACT	PASSED
ADHESION	PASSED

HIGH QUALITY PRIMER ASSURES A SURFACE READY FOR FINISH PAINT APPLICATION.

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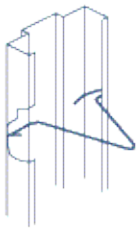
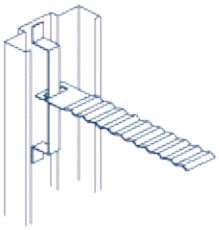
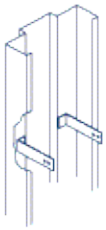


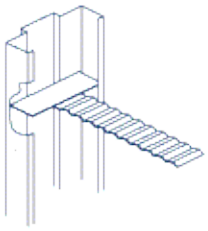
WIRE MASONRY ANCHOR (WMA)



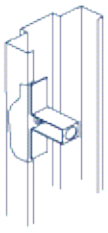
MASONRY STRAP ANCHOR (MAS)



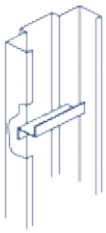
WOOD STUD ANCHOR (WSA)



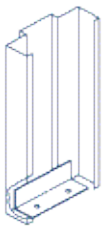
MASONRY "T" ANCHOR (MTA)



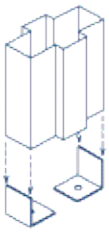
EXISTING WALL ANCHOR (EMA)



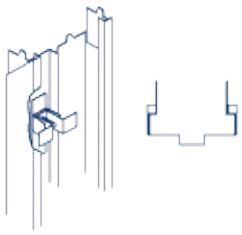
METAL STUD ANCHOR (MSA)



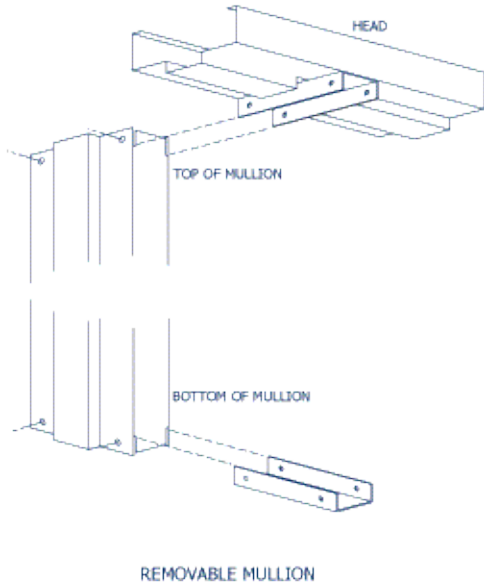
FLOOR CLIP



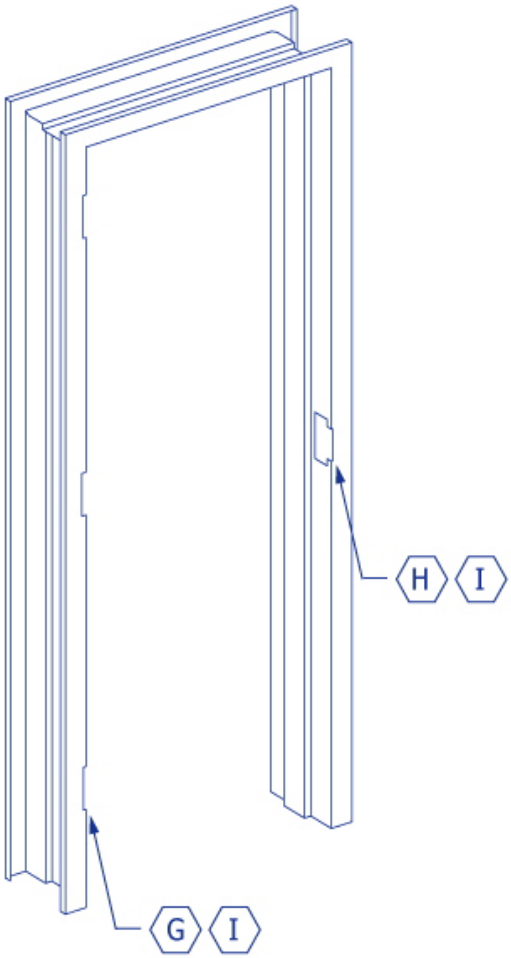
MULL BASE ANCHOR

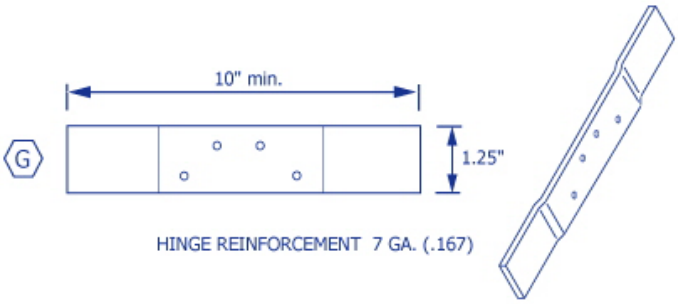


KNOCK DOWN PRESSURE-FIT

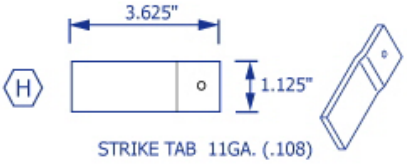


REMOVABLE MULLION

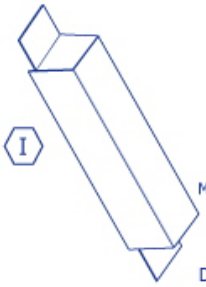




HINGE REINFORCEMENT 7 GA. (.167)



STRIKE TAB 11GA. (.108)



MIN. 22 GA. (.026)

DUST BOX/MORTAR GUARD
DESIGN WILL VARY AS REQUIRED
TO ACCOMODATE HARDWARE TYPE

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FIRE RATED

DOORS AND FRAMES

Fire rated doors and frames are manufactured and tested in accordance with standards of Underwriters Laboratories.

DOORS

ALL DOORS RECEIVE UNDERWRITERS LABORATORIES LISTING MARK

DOOR DESCRIPTION	RATING: 3 HOUR CLASS A	RATING: 1 1/2 HOUR CLASS B & D	RATING: 3/4 HOUR CLASS C & E	MAXIMUM DOOR OPENING SIZES	250° TEMP. RISE	SINGLE SWING	PAIR SWING	14 GAUGE (.067)	16 GAUGE (.053)	18 GAUGE (.042)	LATCH THROW	LOCKSET	FIRE EXIT HARDWARE: MORTISE	FIRE EXIT HARDWARE: RIM	FIRE EXIT HARDWARE: CONCEALED VERT. ROD	FIRE EXIT HARDWARE: SURFACE VERT. ROD	OPEN BACK STRIKE	FLUSH BOLTS	WITH ASTRAGAL	WITHOUT ASTRAGAL (1 1/2 HR)
BASIC FIRE DOOR	*	*	*	4'0x8'0	*	*		*	*	*	1/2"	*	*	*						
	*	*	*	4'0x10'0	*	*		*	*	*	3/4"	*								
	*	*	*	8'0x10'0	*		*	*	*	*	3/4"		*	*	*	*	(2)			*
	*	*	*	8'0x8'0	*		*	*	*	*	3/4"	*	*	*				*	*	*
	*	*	*	8'0x10'0	*		*	*	*	*	3/4"							*	*	
DOUBLE EGRESS	*	*	*	8'0x10'0	*		*		*	*					*	*			*	*
STAINLESS STEEL	*	*	*	4'0x10'0	*	*				*	3/4"	*								
	*	*	*	8'0x10'0	*		*			*		*					(2)	*	*	
DUTCH DOOR	*	*	*	3'6x7'6		*		*	*	*	3/4"	*							*	
LOUVERED DOORS (1)		*	*	4'0x10'0		*			*	*	1/2"	*								
		*	*	8'0x10'0			*		*	*	3/4"	*						*	*	*
LEAD-LINED DOORS	*	*	*	4'0x8'0		*			*	*	1/2"	*								
	*	*	*	8'0x7'2			*	*	*	*	3/4"	*						*	*	
	*	*	*	8'0x8'0			*		*	*	3/4"	*						*	*	
POSITIVE PRESSURE UBC 7-2 & UL 10C (3)	*	*	*	4'0x10'0	*	*			*	*	1/2"	*	*	*						
	*	*	*	6'0x10'0	*		*		*	*	3/4"	*	*	*	*			*	*	
	*	*	*	8'0x10'0	*		*		*	*	3/4"	*	*	*	*	*		*	*	

Basic fire doors, double egress and stainless steel doors are available with prep for ceramic glazing as follows:
3 Hour "A" label- Max. exposed glass up to 100 in^2. (No dimension shall exceed 33")
1 1/2 Hour "B" label- Half glass up to 36"x56 1/2" or 2031 in^2 max.
1 Hour "B" label, 3/4 Hour "C" label or 20 minute- Full glass up to 36"x89" or 3204 in^2 max.

Notes:
(1) Max. louver size 24"x24"
(2) Max. 8'0x7'2 1 1/2 Hour with OBS
(3) Includes Double Egress and Stainless Steel Doors

The intent of this chart is to provide general information only. All information subject to change, consult factory for latest information and specific data pertaining to individual job requirements.

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ALL FRAMES RECEIVE UNDERWRITERS LABORATORIES LISTING MARK

FRAME DESCRIPTION	RATING			MAXIMUM DOOR OPENING SIZES	SINGLE SWING	PAIR SWING	12 GAUGE (.093)	14 GAUGE (.067)	16 GAUGE (.053)	WALL					HOSPITAL STOP	STAINLESS STEEL	MAXIMUM DOOR OR GLASS OPENING SIZE	MAXIMUM TRANSOM OPENING SIZE
	3 HOUR CLASS A	1 1/2 HOUR CLASS B & D	3/4 HOUR CLASS C & E							NEW MASONRY	EXISTING MASONRY	PRE-SET STUD	METAL STUD	WOOD STUD				
THREE SIDED FRAMES (1)	*	*	*	4'0x10'0	*		*	*	*	*	*	*	*	*	*	*		
	*	*	*	8'0x10'0		*	*	*	*	*	*	*	*	*	*	*		
DOUBLE EGRESS FRAMES	*	*	*	8'0x10'0		*	*	*	*	*	*		*	*		*		
TRANSOM FRAME WITH BAR 1 3/4" PANEL	*	*	*	3'6x11'0	*		*	*	*	*	*		*	*	*		3'6x7'2	3'6x7'2
	*	*	*	7'0x10'0		*	*	*	*	*	*		*	*	*		3'6x7'2	7'0x3'0
TRANSOM FRAME WITH BAR SANDWICH PANEL	*	*	*	4'0x10'0	*		*	*	*	*	*		*	*	*		4'0x10'0	4'0x2'8
	*	*	*	8'0x11'2		*	*	*	*	*	*		*	*	*		8'0x10'0	8'0x2'8
TRANSOM FRAME NO BAR 1 3/4" PANEL	*	*	*	4'0x11'4	*		*	*	*	*	*		*	*	*		4'0x9'0	4'0x4'6
	*	*	*	8'0x11'2		*	*	*	*	*	*		*	*	*		8'0x8'0	7'0x4'0
MULTI-SWING DOOR FRAME		*	*	12'0x8'0	*	*	*	*	*	*	*				*		8'0x8'0	
THREE SIDED TWO PIECE FRAME		*	*	4'0x10'0	*			*	*				*					
THREE SIDED FRAME POSITIVE PRESSURE UBC 7-2 & UL 10C (2)		*	*	4'0x10'0	*		*	*	*	*	*		*	*	*	*		
		*	*	8'0x10'0		*	*	*	*	*	*		*	*	*	*		

Refer to Fire Rated Frames With Glass, for additional information.

Notes:

(1) KDPF 4'0x8'0 max. for single door openings and 8'0x8'0 max. for double door openings
Max 1 1/2 hour rating
KDPF not available in stainless steel

(2) Includes double egress frames

The intent of this chart is to provide general information only. All information subject to change, consult factory for latest information and specific data pertaining to individual job requirements.

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SPECIAL FINISHES

STANDARD COLORS

DS 716 + 2103/01

9010

6021

DS 733 + 2301/01

9005

6002

DS 733 + 1802/02

7004

1035

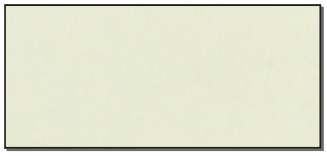
DS 733 + 1001/01

8014

DS 708 + 5001/01

DS 733 + 1401/01

9022


Light 001
(Glow In The Dark)

CUSTOM COLORS AVAILABLE

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