ALLEGION

VON DUPRIN®

Door control
and security
hardware

Introduction

Flexible solutions for real-world applications

Pioneering safety is in our DNA. Responding to a need more than a century ago, Von Duprin® invented the first self-releasing fire exit device. We continue to advance the industry through innovation that is fueled by a deep understanding of our customers' needs and safety standards, delivering solutions for even the most challenging applications.

We understand door hardware isn't a one-size-fits-all solution. Many electric strikes and accessories are available to fit varying security needs. Or customize an opening with electrified trim, a delayed egress option or alarm kit.

Passion driving performance

With superior products comes exceptional customer care. Von Duprin customers are supported by industry-leading expertise. Allegion's representatives average more than 15 years of experience, so you're assured to receive knowledgeable advice on fire and life safety codes, installation resources and more. From instructional videos to instructor-led trainings, Allegion's team of experts are here to support you before, during and after product installation. Von Duprin stands by our customers—today, tomorrow and for years to come.

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4200 Series electric strikes for cylindrical locks

Overview

The 4200 Series electric strikes are easy to order, configure in the field and install. This makes it a great choice for commercial applications where traffic control is the primary function.

Compatible with a wide range of cylindrical devices, the 4200 series makes electrifying an opening simple. It is designed and tested to work will all Schlage and Falcon cylindrical locks as well those of many other manufacturers.

With a variety of field configurable options, the 4200 series is able to address a broad range of needs. The power failure mode (fail safe or fail secure) can be changed in the field without disassembling the strike. The 4200 series also features a 12/24 dual-voltage solenoid for field wiring of either input voltage.

Additional factory orderable options provide even greater flexibility. The 4200 series can be ordered with or without latchbolt monitor. Square face plate is offered standard to accommodate hollow metal frames, and rounded corner faceplates are available as an option for aluminum frames. An entry buzzer and rectifier kits are also available options.

The 4200 was developed with Von Duprin's high standards and engineering expertise. Its heavy duty stainless steel construction is designed to withstand abuse.

Features and benefits

- Field configurable 12/24 voltage utilizing dual-voltage internal solenoid
- Field configurable power failure mode (fail-safe/fail-secure)
- Non-handed, internal solenoid design
- Heavy duty stainless steel faceplate
- Latchbolt monitoring standard on 4212 only
- Optional entry buzzer and rectifier kits available for AC to DC operation
- 1 year electrical product warranty

Lockset compatibility

The 4200 series is compatible with all Schlage and Falcon cylindrical locks as well as cylindrical and deadlatch locks of many other manufacturers.

- The 4211 is compatible with locksets with $5/8$" (15 mm) throw latchbolts, or up to $3/4$" (19mm) throw latchbolts with a $1/8$" door gap.
- The 4212 is compatible with locksets with $1/2$" (12.7mm) throw latchbolts, or up to $5/8$" (15 mm) throw latchbolts with a $1/8$" door gap.

4200 Series power requirements

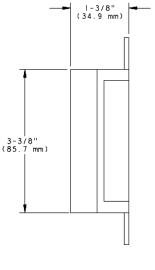| Model	Voltage	Current	Duty	Amps
4211 or 4212	12V	DC	Continuous	0.20
4211 or 4212	24V	DC	Continuous	0.10

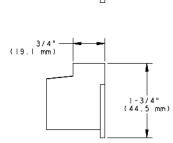**4212 Latchbolt monitor switch rating:** 30VDC at 0.20 A
The 4200 series requires a DC regulated power supply, and the Schlage PS900 series power supplies are recommended.
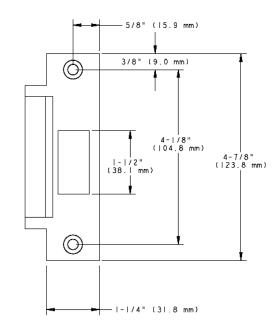
Continuous duty=Energized 1 minute or more
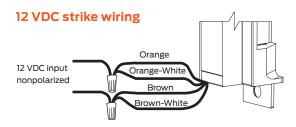
Model specifications

Model number		4211	4212
Retrofits model		HES 5200, RCI 6 Series	HES 5000, RCI 6 Series
Latchbolt throw		$3/4$"	$5/8$"
Latchbolt monitor switch		---	▪
Face plate length		4 $7/8$"	4 $7/8$"
Backbox depth		1 $3/8$"	1 $3/8$"
Finish (faceplate)		BHMA 630/US32D	
Lockset	Cylindrical	▪	▪
	Deadlatch	▪	▪
	Mortise	---	---
Number of doors	Single	▪	▪
	Pair	---	---
Frame type	Hollow metal	▪	▪
	Aluminum	▪	▪
	Wood	---	---
Options	EB (entry buzzer - fail-secure only)	▪	▪
	SO12 & SO24 rectifier kit for AC to DC operation	▪	▪

4200 Series electric strikes dimensions

1-3/8" (34.9 mm)

3-3/8" (85.7 mm)

3/4" (19.1 mm)

1-3/4" (44.5 mm)

5/8" (15.9 mm)

3/8" (9.0 mm)

4-1/8" (104.8 mm)

1-1/2" (38.1 mm)

4-7/8" (123.8 mm)

1-1/4" (31.8 mm)

12 VDC strike wiring

12 VDC input nonpolarized

Orange
Orange-White
Brown
Brown-White

24 VDC strike wiring

24 VDC input nonpolarized

Orange
Orange-White
Brown
Brown-White
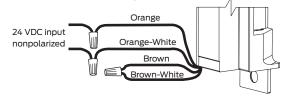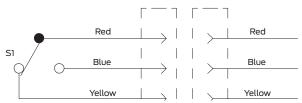
Latchbolt monitoring switch (4212 only)

S1

Red
Blue
Yellow

Red
Blue
Yellow

Switch shown with latch status tripper depressed

Ordering information

4200 – S024 – EB

Model	Rectifier kit*	Buzzer*
1	2	3

* Optional

Selections correspond with the numbers above

1	Model
4211	See model specification chart to make the proper selection
4212	See model specification chart to make the proper selection
2	Rectifier kit (optional)
S012	Converts 12 VAC voltage to 12 VDC to operate the solenoid
S024	Converts 24 VAC voltage to 24 VDC to operate the solenoid
3	Buzzer (optional)
EB	Entry Buzzer, with fail-secure (FSE) configured

Standard features

- Power failure mode: Field configurable fail-secure/ fail-safe
- Voltage: Field configurable 12 VDC/24 VDC dual voltage solenoid
- Finish: 630 satin stainless steel

5100 Series electric strikes for cylindrical locksets

Overview

The Von Duprin 5100 electric strike has been designed to offer flexibility and convenience for locksmiths and security professionals. This easy-to-install electric strike was created for medium-duty applications, specifically to control traffic flow through interior and exterior openings in retail and commercial environments.

The 5100 electric strike is compatible with a wide range of cylindrical devices and is extremely versatile for field conversions. The combination of three faceplate options plus field selectable voltage and power fail modes allows it to be changed on the job site to create as many as 12 different configurations. An adjustable keeper also improves fit for applications with weather stripping or tight door preps. In short, the 5100 provides added convenience by ensuring the right parts are in the box to get the job done.

The 5100 was developed with Von Duprin's high standards and engineering expertise. Its heavy-duty construction and tamper-resistant design is able to withstand abuse. The 5100 is tested to over one million cycles and provides 1300 lbs holding strength.

Features and benefits

- Designed for cylindrical applications
- Capable of 12 in-field configurations
- Three faceplates standard in every box
- Field selectable 12/24 voltage
- Non-handed. Internal solenoid design
- Field selectable power failure mode (fail-safe/fail-secure)
- Adjustable keeper
- Rectifier kits
- Available in three finishes
- Suitable for interior and exterior doors
- UL 1034 listed for burglary-resistant electric door strikes
- Static strength 1300 lbs
- Dynamic strength 70 ft-lbs
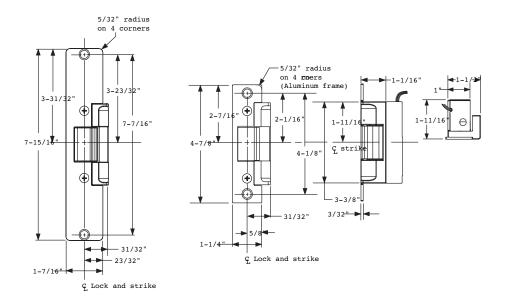- Endurance 1,000,000 cycles

Lockset compatibility

Keeper depth of $^1/_2$" is sufficient to accommodate all cylindrical locks up to $^5/_8$" throw and most aluminum narrow stile deadlatches.

5100 Series power requirements

Power options		
DC: Regulated power supplies (recommended)	PS902 power supply	
AD/DC: Conversion	Von Duprin SO-24 kit	
	12VDC	24VDC
Resistance (ohms)	32	128
Current (amps)	0.38	0.19

All specs ±10% @ 77ºF/25ºC
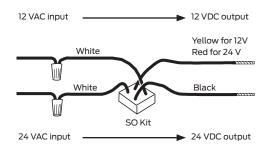
Model specifications

Model #	5100
Latchbolt throw	$^1/_2$" to $^5/_8$" ($^1/_2$" keeper depth)
Face plate length	4 $^7/_8$" or 7 $^{15}/_{16}$"
Depth	1 $^{11}/_{16}$"
Lockset	Cylindrical and deadlatch
Door/frame type	Hollow metal, aluminum and wood
Number of doors	Single
Certifications	UL 1034 burglary listing
Application notes	Versatile electric strike for aftermarket, covering multiple applications in one SKU.

5100 Series electric strikes dimensions

5/32" radius on 4 corners

3-31/32"
3-23/32"
7-7/16"
7-15/16"
31/32"
23/32"
1-7/16"
C̸ Lock and strike

5/32" radius on 4 corners (Aluminum frame)
2-7/16"
2-1/16"
4-7/8"
4-1/8"
31/32"
3/32"
5/8"
1-1/4"
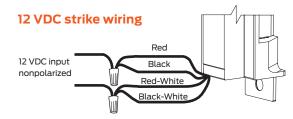C̸ Lock and strike

1-1/16"
1-11/16"
C̸ strike
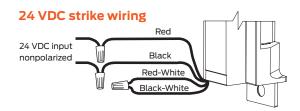3-3/8"

1"
1-1/16"
1-11/16"

Solenoid power requirements; 12VDC, 0.38 A, 24 VDC, 0.19 A

For DC operation, Von Duprin PS902 series power supply is recommended.
For AC operation, Von Duprin SO12 (12VAC) or SO24 (24VAC) kit is recommended.

12 VAC input → 12 VDC output

White
White
Yellow for 12V
Red for 24 V
Black
SO Kit

24 VAC input → 24 VDC output

12 VDC strike wiring

12 VDC input nonpolarized
Red
Black
Red-White
Black-White

24 VDC strike wiring

24 VDC input nonpolarized
Red
Black
Red-White
Black-White
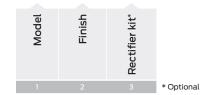
Ordering information

5100 – US219 – S024

Model	Finish	Rectifier kit*
1	2	3

* Optional

Selections correspond with the numbers above

1	**Model**
5100	Electric strike for cylindrical locksets
2	**Finish**
	US SP28/BHMA 698 Aluminum US 19/BHMA 622 Flat black US SP313/BHMA 695 Dark brown
3	Rectifier kit (optional)
S012 S024	Converts 12 VAC voltage to 12 VDC to operate the solenoid Converts 24 VAC voltage to 24 VDC to operate the solenoid

Standard features

- 24 volts DC
- Fail-secure
- Field convertible to fail-safe

6000 Series electric strikes

Overview

Von Suprin 6000 Series electric strikes
Von Duprin is the leading manufacturer of premium, heavy-duty electric strikes known for their reliability, durability and security.

Electric Strikes provide remote release of a locked door. They allow the door to be opened without retracting the latchbolt. This occurs by the releasing of the electric strike lip (sometimes called keeper or gate). When the door closes the beveled latchbolt rides over the lip and falls into the electric strike pocket.

Von Duprin 6100 Series electric strikes
Electric strikes for use with rim exit devices

Von Duprin 6200 Series electric strikes
Electric strikes for use with mortise/cylindrical locks

Versatility

- Furnished 24VDC and 28VDC standard with 12VDC and AC operation optional. 16VDC solenoids available.
- Furnished fail secure (FSE) standard, with fail safe (FS) optional.
- Strike box is adjustable to compensate for misalignment of the door or frame.
- Two piece plug connectors are furnished for ease of installation and for removal during strike servicing.

6000

Durability
Developed with Von Duprin's high standards and engineering expertise.

- Heavy-duty stainless steel construction.

Features and benefits
- Stainless steel construction
- Accepts $^3/_4$" (19mm) throw latchbolt
- Six finishes
- Non-handed
- Fail secure
- Plug connectors

Specifications	12V	24V
Resistance in Ohms ± 10% @ 70°F	21	82
Watt-seated @ 70°F	7.5	8
Amps-seated @ 70°F	.6	.33
Amps-inrush @ 70°F	.6	.33

To order, specify

1. **Model number**
2. **FS** (fail safe, when required)
3. **DS** or **DS-LC** (dual switch, when required)
4. **Voltage** 12VDC or 24VDC
   For 16V solenoids order separately
5. **SO12** or **SO24** (required when using AC)
6. **Finish**: US3, US4, US10, US10B, US32, US32D
7. **EB** (Entry buzzer), **FSE** only (when required)

Note: Information listed is for use on new applications. On retrofit applications, modification of the frame preparation may be required, consult factory.

Options
AC operation
SO12 and SO24 are rectifier kits to convert AC voltage to operate the DC solenoids. These kits are field installable and plug in-line to solenoid.

Dual switch monitoring (DS and DS-LC)*
(Factory installed only)
Dual switch monitoring option has two SPDT contacts, one switch monitors the tripper which is depressed when the latchbolt is inserted into the strike pocket. The second switch monitors the condition of the strike lip, open or closed and locked.

DS is standard, rated 24V, operating range from 2 ampere to 50 milliampere.

DS-LC low current gold contact switches for use on applications associated with computer control and monitoring, rated 24V, operating range 50 milliampere or below.

Fail secure — (FSE)
FSE — FAIL-SECURE electric strikes require power to be applied to unlock the strike lip. On loss of power, the strike is locked. Field convertible with parts.

Fail safe — (FS)
FS — FAIL-SAFE electric strikes require power to be applied to lock the strike lip. On loss of power, the strike is unlocked. Building codes prohibit the use of fail-safe strikes on fire-rated openings. Field convertible with parts.

Entry buzzer — (EB)
EB — Entry buzzer is available for use with fail-secure strikes. Installed in the frame and in parallel with the circuit, the buzzer will sound when the strike is unlocked.

UL listed
UL Listed Burglary-Resistant and Electric Strike for fire doors and frames. A label for single doors and B label for double doors.

* Dual Monitor Switches (DS or DS-LC) are not available on open back strikes.

6100 Series strikes for rim exit devices

Overview

Von Duprin electric strikes are known for their reliability, durability and security. The 6100 Series is designed to withstand abuse. Its heavy-duty stainless steel construction is fully UL1034 and UL10C listed.

6100 Series electric strikes are designed for use with a variety of rim exit devices. They interface with the latch mechanism of the exit device. The movable lip (keeper) allows a door to open even when the latch bolt is extended. This feature, called remote release, provides added benefits such as increased convenience and efficiency. The 6100 Series also provides added security and traffic control.

6100 Series electric strikes can be used for retrofit applications or new construction. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown below. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin technical support for application assistance.

The power failure mode of the 6100 can be specified at the time of order. Fail-secure is available for fire rated openings. In a fail-secure application, the door is normally locked. To unlock the door, power must be applied. Fail-safe strikes, which are commonly used for life safety applications, are non-fire-rated. To unlock a fail-safe strike, power is removed. The 6100 comes standard 24 VDC; 12 VDC and AC operation are optional.

Features and benefits

- Non-handed design provides greater flexibility
- Strike box is adjustable to compensate for misalignment of the door or frame
- Two-piece plug connectors are furnished for ease of installation and for removal during strike servicing
- UL1034 burglary-resistant and UL10C electric strike for fire door
- Six finishes available to suite with existing hardware
- Durable stainless steel construction
- 24 VDC standard with 12 VDC and AC operation optional

Model specifications

Model number		6111	6112	6113	6114	6121
Retrofits model		VD 3031	FA 310-4	VD 3011, VD 3021	FA 310-5	FA 310-4-100
Latchbolt throw		$3/4$"	$3/4$"	$3/4$"	$3/4$"	$3/4$"
Face plate length		6"	9"	6"	$7^1/2$"	$9^1/8$"
Backbox depth		$1^3/4$"	$1^3/4$"	$1^{15}/16$"	N/A	N/A
Lockset		Rim exit device	Rim exit device	Rim exit device	Rim night latch*	Rim exit device
Number of doors	Single	▪	▪	▪	▪	—
	Double door with mullion	▪	—	—	—	—
	Double door without mullion	—	—	—	—	▪
Door/frame type	Hollow metal	▪	▪	▪	▪	▪
	Aluminum	▪	▪	▪	▪	▪
	Wood	▪	▪	▪	▪	▪
Options	Blade stop shim	Yes	No	Yes	No	No
	DS or DS-LC (dual monitor switches)	Yes	Yes	Yes	Yes	Yes
	EB (entry buzzer - fail-secure only)	Yes	Yes	Yes	Yes	Yes
Certifications		UL1034, UL10C	UL1034, UL10C	UL1034, UL10C	UL1034	UL1034
Application notes		1	2	3	4	5

Note: 16 VDC and 28 VDC solenoid are sold as replacement parts for existing strikes. Please contact customer care for details.
*Not an exit device.

Model specification notes:

1. $1/2$" projection blade stop shim 010055-XX available for use on cased opening or blade stop frames. Specify when using with 55 rim devices. May also be used with vertical rod exit devices noted on previous page x Pullman latch LBR. Non-fired-rated.

2. When used to replace Folger Adam 310-4, minor fame prep modification required.

3. $1/2$" projection blade stop shim 010055-XX available for use on cased opening or blade stop frames. Specify when using with 55 rim devices. Non-fire rated.

4. Surface applied strike designed to replace Folger Adam 310-5 with different mounting hole locations from Folger Adam.

5. Designed to mount on inactive leaf.

Exit device compatibility
6111, 6112, 6113 and 6121 Strikes

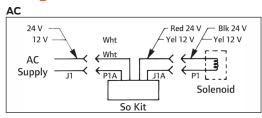| Manufacturer	Device
Von Duprin	22, 33A, 35A, 55[1], 88, 98, 99 8827 LBR[4] x Pullman latch Non-Fire rated 9827 LBR[4] x Pullman latch Non-Fire rated 9927 LBR[4,5] x Pullman latch Non-Fire rated
Falcon Monarch[2]	XX-R, 18-R, 19-R, 24-R, 25-R
Falcon Doromatic	1790
Precision[2]	2100
Sargent	2800, 6500, 6800, 8500, 8800, 9500, 9800[3], 9898
Yale	1500, 700

Exit device compatibility notes:

1. Strike must be factory modified, specify when using with a 55 Rim device
2. Deadlocking feature will not properly function, consult factory
3. Panic only, not fire-rated
4. 6111 is recommended for LBR applications
5. Example order: ES9827 LBR Pullman Non Fire Rated

Note: When using a lockset not listed or when retrofitting an existing application, please contact Von Duprin technical support for application assistance
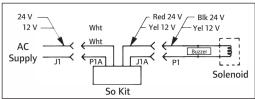
6100 Series strikes dimensions

Wiring

AC

AC with buzzer

DC

DC with buzzer

Optional DS (FSE shown)

Wiring shown with strike locked and monitor trippper depressed

Different wiring configurations are used depending on Backbox type and FS or FSE.
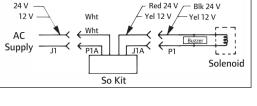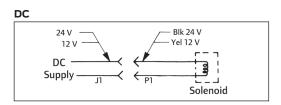
6100 Series power requirements

Models	Voltage	Current	Duty	Amps	Ohms
All	12V	DC	Continuous	0.60	21
All	24V	DC	Continuous	0.33	83

Continuous duty = Energized 1 minute or more

Dimensions

6111

6112

6113

6114

6121
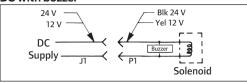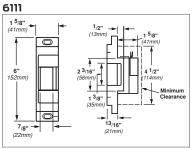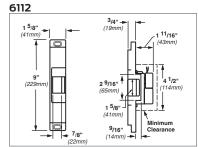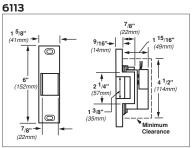
6100 Series how to order

Ordering information

6112 – FSE – DS – 24 – S024 – US3 – EB – CON

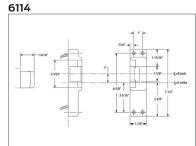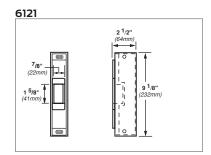| Model	Power failure mode	Dual switch*	Voltage	Rectifier kit*	Finish	Buzzer*	Allegion Connect*
1	2	3	4	5	6	7	8

*Optional

Selections correspond with the numbers above

1	Model
6111	See chart on page 3 to make the proper selection
6112	See chart on page 3 to make the proper selection
6113	See chart on page 3 to make the proper selection
6114	See chart on page 3 to make the proper selection
6121	See chart on page 3 to make the proper selection

2	Power failure mode
FSE	Fail-secure. Requires power to be applied to unlock the strike lip. On loss of power, the strike lip is locked. **Fire-rated.**
FS	Fail-safe. Requires power to be applied to lock the strike lip. On loss of power, the strike lip is unlocked. **Non-fire-rated.**

3	Dual switch (optional)
DS	Monitors latch bolt and lock status. DS switches rated at 24 VDC 50 milliampere - 2 amps.
DS-LC	Optional for computer monitoring. Monitors latch bolt & lock status. DS switches rated 24 VDC 50 milliampere or less.

4	Voltage (VDC)
24	Low voltage DC power
12	Low voltage DC power

If AC power is required specify rectifier kit below.

5	Rectifier kit (optional)
SO12	Converts 12 VAC voltage to 12 VDC to operate the solenoid
S024	Converts 24 VAC voltage to 24 VDC to operate the solenoid

6	Finish US number/Von Duprin number
US3	Plated polished brass on stainless steel
US4	Plated dull brass on stainless steel
US10	Plated dull bronze on stainless steel
US10B	Plated dark bronze on stainless steel
US32	Stainless steel, polished
US32D	Stainless steel, satin

7	Buzzer (optional)
EB	Entry Buzzer. Only available if Fail-Secure (FSE) is specified.

8	Allegion Connect
CON	Allegion Connect connector 6 in. wire extension harness available

6200 Series strikes for mortise or cylindrical devices

Overview

Von Duprin electric strikes are known for their reliability, durability and security. The 6200 Series is designed to withstand abuse. Its heavy-duty stainless steel construction is fully UL1034 and UL10C listed.

6200 Series electric strikes are designed for use with a variety of mortise or cylindrical locksets. It interfaces with the latch mechanism of the exit device. The 6200 Series movable lip (keeper) allows a door to open, even when the latch bolt is extended. This feature, called remote release provides added benefits such as increased convenience and efficiency. The 6200 Series also provides added security and traffic control.

6200 Series electric strikes can be used for retrofit applications or new construction. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown below. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for application assistance.

Features and benefits

- Non handed design provides greater flexibility
- Strike box is adjustable to compensate for misalignment of the door or frame
- Two piece plug connectors are furnished for ease of installation and for removal during strike servicing
- UL1034 Burglary-Resistant and UL10C Electric Strike for Fire Door
- Six finishes available to suite with existing hardware
- Durable stainless steel construction
- 24 VDC standard with 12 VDC and AC operation optional

6200 Series power requirements

Models	Voltage	Current	Duty	Amps	Ohms
All	12V	DC	Continuous	0.60	21
All	16V	DC	Continuous	0.40	38
All	24V	DC	Continuous	0.33	83
All	28V	DC	Continuous	0.25	111

Continuous duty = Energized 1 minute or more

Cylindrical lockset compatibility[1,2,3]

6211, 6211AL, 6211WF, 6212, 6213, 6214, 6215, 6221, 6222, 6223, 6224, 6224AL, 6225 and 6226 Strikes

Manufacturer	Cylindrical latchbolt projection
Baldwin	$1/2$" – $3/4$" (13mm – 19mm)
Best	$3/8$" – $3/4$" (10mm – 19mm)
Corbin	$1/2$" – $3/4$" (13mm – 19mm)
Falcon	$1/2$" – $3/4$" (13mm – 19mm)
Russwin	$1/2$" – $3/4$" (13mm – 19mm)
Sargent	$1/2$" – $3/4$" (13mm – 19mm)
Schlage	$3/8$" – $3/4$" (10mm – 19mm)
Yale	$1/2$" – $3/4$" (13mm – 19mm)

Mortise lockset compatibility[1,2,3]

6211, 6211AL, 6211WF, 6212, 6213, 6214, 6215, 6221, 6222, 6223, 6224, 6224AL, 6225 and 6226 Strikes

Manufacturer	Model number
Von Duprin	7500
Adams Rite	4510, 4710
Baldwin	6000
Best	24H, 30H
Corbin	9000
Falcon	M2300, M2500, M2600, M3300, M3500, M3600
Precision	Mortise
Russwin	Mortise
Sargent	7700, 8100, 9000
Schlage	L9000, K30, K40, K50, K60
Yale	7030, 7130, 8600, 8700

Mortise lockset compatibility[1,3]

6210
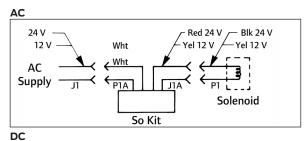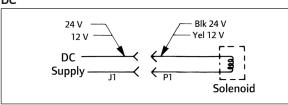
Manufacturer	Model number
Von Duprin	7500
Best	30H (not 45H/47H)
Corbin/Russwin	ML2200, 5000, 9000, CR2200 (not 2000)
Falcon	M100, M200, M300, M400, M500, M600
Sargent	7700, 8100 (not 7800/8200)
Schlage	L9000
Yale	8700 (not 8800)

1. Von Duprin cannot guarantee compatibility as other manufacturer's designs may change without notice.

2. Signalling may not function when using 3/8" (10mm) throw bolt. Deadlocking cannot be guaranteed with all locks.

3. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for assistance.
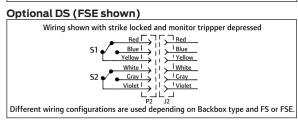
Wiring

AC

AC with buzzer

DC

DC with buzzer

Optional DS (FSE shown)
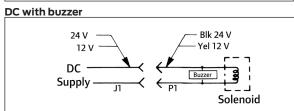
Wiring shown with strike locked and monitor trippper depressed

Different wiring configurations are used depending on Backbox type and FS or FSE.

Model Specifications

Model number		6210	6211	6211AL	6211WF	6212
Retrofits model		n/a	VD 3140, FA 712	FA 722	FA 732	VD 3146
Latchbolt throw		$^3/_4$"	$^3/_4$"	$^3/_4$"	$^3/_4$"	$^3/_4$"
Face plate length		$4^7/_8$"	$4^7/_8$"	$4^7/_8$"	$4^7/_8$"	$6^3/_8$"
Backbox depth		$1^3/_4$"	$1^{11}/_{16}$"	$1^{11}/_{16}$"	$4^1/_2$"	$1^{21}/_{32}$"
Lockset	Mortise without deadbolt	▪	▪	▪	▪	▪
	Mortise with deadbolt 1" throw	---	---	---	---	---
	Cylindrical	---	▪	▪	▪	▪
Number of doors	Single	▪	▪	▪	▪	▪
	Pair	---	---	---	---	---
Door and frame type	Hollow metal	▪	▪	---	---	▪
	Aluminum	▪	▪	▪	---	▪
	Wood	---	---	---	▪	---
Options	DS or DS-LC (dual monitor switches)	▪	▪	▪	▪	▪
	EB (Entry buzzer - fail secure only)	▪	▪	▪	▪	▪
Certifications	UL1034	▪	▪	▪	▪	▪
	UL10C	3 hour	3 hour	3 hour	3 hour	3 hour
Application notes		1	2	---	2, 4	3

Note: 16 VDC and 28 VDC solenoid are sold as replacement parts for existing strikes. Please contact customer care for details..

Application notes:

1   For use with ANSI prep at standard height. Strike pocket inserts are provided to accommodate different manufacturers deadlocking trigger locations.

2   For use on new installations with mortise locks without deadbolt or cylindrical locks on single door, hollow metal frame applications. Designed to replace Von Duprin 3140 or Folger Adam 712.

3   Fits modified ANSI 115.2 cutout. Designed to replace Von Duprin 3146.

4   Wood frame horizontal solenoid location differs from Folger Adam. May require frame preop modification when retrofitting.

6200 Series strikes for mortise or cylindrical devices

Model Specifications

		6212WF	6213	6214	6215	6216	6221
Model #		6212WF	6213	6214	6215	6216	6221
Retrofits model		n/a	VD 3041, 3042, 3061, 3062	FA 310-2 3/4	FA 310-2	FA 310-3-1	VD 3071 / 3072
Latchbolt throw		$^3/_4$"	$^3/_4$"	$^3/_4$"	$^3/_4$"	$^3/_4$"	$^3/_4$"
Face plate length		6 $^3/_8$"	6"	9"	9"	9"	6"
Backbox depth		4 $^1/_2$"	2 $^1/_2$"	2"	1 $^5/_8$"	2 $^7/_8$"	4 $^3/_4$"
Lockset	Mortise without deadbolt	▪	▪	▪	▪	---	▪
	Mortise with deadbolt 1" throw	---	---	---	---	▪	---
	Cylindrical	▪	▪	▪	▪	---	▪
Number of doors	Single	▪	▪	▪	▪	▪	---
	Pair	---	---	---	---	---	▪
Door and frame type	Hollow metal	---	▪	▪	▪	▪	▪
	Aluminum	---	▪	▪	▪	▪	▪
	Wood	▪	See note 1 below			▪	▪
Options	DS or DS-LC (dual monitor switches)	▪	▪	▪	▪	▪	---
	EB (Entry buzzer - fail secure only)	▪	▪	▪	▪	▪	▪
	28 VDC AC rectifier kit	▪	▪	▪	▪	▪	▪
	16 VDC solenoid	▪	▪	▪	▪	▪	▪
Certifications	UL1034	▪	▪	▪	▪	▪	▪
	UL10C	3 hour	3 hour	3 hour	3 hour	3 hour	3 hour*
Application notes		---	1	1	1	2	3

* When pair door has inactive leaf.
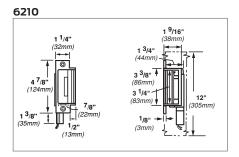
|		6222	6223	6224	6224AL	6225	6226
Model #		6222	6223	6224	6224AL	6225	6226
Retrofits model		FA 310-2$^3/_4$ OB	VD 3091 / 3092	FA 310-2$^3/_4$	FA 310-2RF	FA 310-2 OB	FA 310-2
Latchbolt throw		$^3/_4$"	$^3/_4$"	$^3/_4$"	$^3/_4$"	$^3/_4$"	$^3/_4$"
Face plate length		9"	6"	9"	9"	9"	9"
Backbox depth		2"	4 $^1/_2$"	2"	1 $^5/_8$"	1 $^5/_8$"	1 $^5/_8$"
Lockset	Mortise without deadbolt	▪	▪	▪	▪	▪	▪
	Mortise with deadbolt 1" throw	---	---	---	---	---	---
	Cylindrical	▪	▪	▪	▪	▪	▪
Number of doors	Single	---	---	---	---	---	---
	Pair	▪	▪	▪	▪	▪	▪
Door and frame type	Hollow metal	▪	▪	▪	---	▪	▪
	Aluminum	▪	▪	▪	▪	▪	▪
	Wood	---	▪	---	---	---	---
Options	DS or DS-LC (dual monitor switches)	---	▪	▪	▪	---	▪
	EB (Entry buzzer - fail secure only)	▪	▪	▪	▪	▪	▪
	28 VDC AC rectifier kit	▪	▪	▪	▪	▪	▪
	16 VDC solenoid	▪	▪	▪	▪	▪	▪
Certifications	UL1034	▪	▪	▪	▪	▪	▪
	UL10C	3 hour*	3 hour*	3 hour*	3 hour*	3 hour*	3 hour*
Application notes		4	5	6	7	8	9
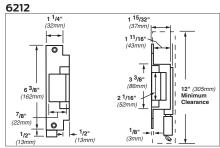
* When pair door has inactive leaf.
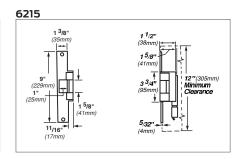
1 Includes wood frame for retrofit applications.

2 Deadbolt must be manually operated.

3 Open back electric strike for use on 1 $^3/_4$" (44 mm) thick double door applications. 4 $^3/_4$" (120 mm) minimum stile required. For a concealed vertical rod and mortise device combination, specify "A" backbox.

4 Open back electric strike for use on 1 $^3/_4$" (44 mm) thick double door applications.

5 Closed back electric strike for use on 1 $^3/_4$" (44 mm) thick double door applications. 4 $^3/_4$" (120 mm) minimum stile required. For a concealed vertical rod and mortise device combination specify "A" backbox.

6 Closed back electric strike for use on 1 $^3/_4$" (44 mm) or 2 $^1/_4$" (57 mm) thick double door applications.

7 Closed back electric strike for use on 1 $^3/_4$" (44 mm) or 2 $^1/_4$" (57 mm) thick aluminum double door applications.

8 Open back electric strike for use on 1 $^3/_4$" (44 mm) thick double door applications.

9 Closed back electric strike for use on 1 $^3/_4$" (44 mm) or 2 $^1/_4$" (57 mm) thick double door applications.

6200 Series strikes dimensions

Dimensions

6210

6212

6215

6211

6212WF

6216

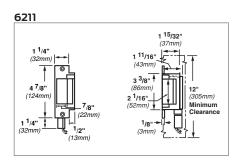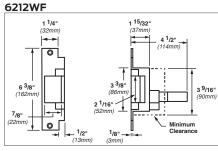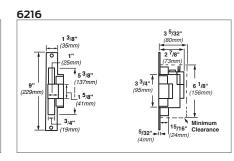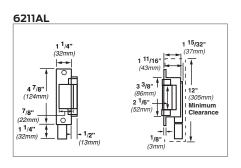### 6211AL

6213

6221

6211WF

6214

6222
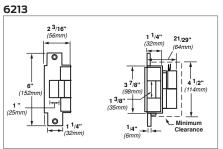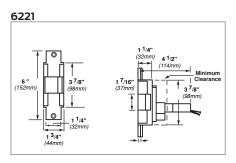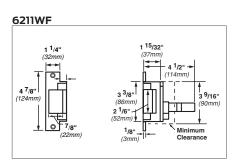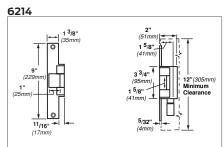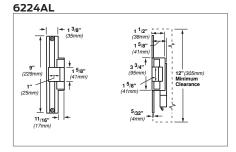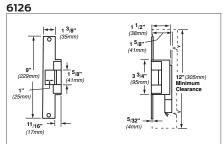
6200 Series strikes dimensions

Dimensions

6223

6224AL

6126

6224

6225
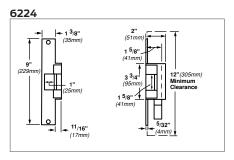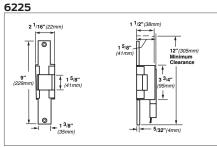
Ordering information

6210 – FSE – DS – 24 – S024 – US3 – EB – CON

1	2	3	4	5	6	7	8
Model	Power failure mode	Dual switch*	Voltage	Rectifier kit*	Finish	Buzzer*	Allegion Connect*

* Optional

Selections correspond with the numbers above

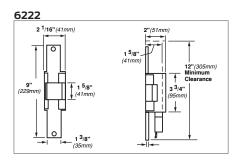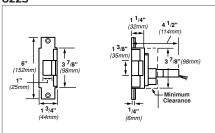| 1	Model
6210	See chart on page 13 to make the proper selection
6211	See chart on page 13 to make the proper selection
6211AL	See chart on page 13 to make the proper selection
6211WF	See chart on page 13 to make the proper selection
6212	See chart on page 13 to make the proper selection
6212WF	See chart on page 14 to make the proper selection
6213	See chart on page 14 to make the proper selection
6214	See chart on page 14 to make the proper selection
6215	See chart on page 14 to make the proper selection
6216	See chart on page 14 to make the proper selection
6221	See chart on page 14 to make the proper selection
6222	See chart on page 14 to make the proper selection
6223	See chart on page 14 to make the proper selection
6224	See chart on page 14 to make the proper selection
6224AL	See chart on page 14 to make the proper selection
6225	See chart on page 14 to make the proper selection
6226	See chart on page 14 to make the proper selection

2	Power failure mode
FSE	Fail-secure. Requires power to be applied to unlock the strike lip. On loss of power, the strike lip is locked. **Fire-rated.**
FS	Fail-safe. Requires power to be applied to lock the strike lip. On loss of power, the strike lip is unlocked. **Non-fire-rated.**

3	Dual switch (optional)
DS	Monitors latch bolt and lock status. DS switches rated at 24 VDC 50 milliampere - 2 amps.
DS-LC	Optional for computer monitoring. Monitors latch bolt & lock status. DS-LS switches rated 24 VDC 50 milliampere or less.

4	Voltage (VDC)
24	Low voltage DC power
12	Low voltage DC power

If AC power is required, specify rectifier kit below.

5	Rectifier kit (optional)
SO12	Converts 12 VAC voltage to 12 VDC to operate the solenoid
S024	Converts 24 VAC voltage to 24 VDC to operate the solenoid

6	Finish US number/Von Duprin number
US3	Plated polished brass on stainless steel
US4	Plated dull brass on stainless steel
US10	Plated dull bronze on stainless steel
US10B	Plated dark bronze on stainless steel
US32	Stainless steel, polished
US32D	Stainless steel, satin

7	Buzzer (optional)
EB	Entry Buzzer. Only available if Fail-Secure (FSE) is specified.

8	Allegion Connect
CON	Allegion Connect connector

6 in. wire extension harness available

6300 Series surface mounted strike for rim exit devices

Overview

Von Duprin electric strikes are known for their reliability, durability and security. The 6300 Series is designed to withstand abuse. Its heavy-duty stainless steel construction is fully UL1034 and UL10C Listed.

6300 Series electric strikes are designed for use with a variety of rim devices. It interfaces with the latch mechanism of the exit device. The movable lip (keeper) allows a door to open even when the latch bolt is extended. This feature, called remote release, provides added benefits such as increased convenience and efficiency. The 6300 Series also provides added security and traffic control.

6300 Series electric strikes are ideal for aftermarket applications. It is easy to install without modifying or altering the door frame. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown on the next page. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin technical support for application assistance.

The 6300 is fail-secure (FSE) only to achieve compliance with UL10C for fire-rated openings. In a fail-secure application, the door is normally locked. To unlock the door, power must be applied. The 6300 strike can be used with either 12VDC or 24VDC. There are 2 connectors that ship with it and the appropriate connector for either 12VDC or 24VDC will be used, based upon the available voltage at the opening.

Features and benefits

- Non-handed design provides greater flexibility
- Requires no alteration or cutting to existing frame
- UL1034 burglary-resistant and
- UL10C electric strike for fire door
- Stainless steel (satin) finish
- Durable stainless steel construction
- Field selectable voltage 12VDC or 24VDC
- Dynamic strength 70 ft-lbs
- Endurance 2,000,000 cycles

6300 Series power requirements

Model	Voltage	Current	Duty	Amps	Ohms
6300	12V	DC	Continuous	0.50	22
6300	24V	DC	Continuous	0.24	89
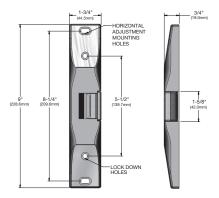
Rim exit device compatibility 6300 strikes

Manufacturer	Model Number
Von Duprin	VD 22/22-F Rim
Von Duprin	VD 33A/35A Rim*
Von Duprin	VD 55 Rim
Von Duprin	VD 88 Rim
Von Duprin	VD 98/99 and 98/99-F Rim
Falcon	Falcon 24/24-F Rim*
Falcon	Falcon 25/25-F Rim
Falcon	Falcon 19/19-F Rim
Falcon Doromatic	Falcon Doromatic 1590*
Falcon Doromatic	Falcon Doromatic 1790*
Falcon Doromatic	Falcon Doromatic 2090*

* Stile and frame condition may affect compatibility.

Model specifications

Model number	6300
Retrofits model	N/A
Latchbolt throw	$3/4$"
Face plate length	9"
Projection	$3/4$"
Lockset	Rim exit device
Number of doors	Single or pair with mullion
Door/frame type	Hollow metal, aluminum and wood
EB (entry buzzer)	Optional
Certifications	UL1034, UL10C, UL 294, CSFM
Application notes	Surface mounted electric strike ideal for aftermarket applications. Strike designed for use with Von Duprin 98/99, however it can be used with most rim exit devices.

6300 Series dimensions
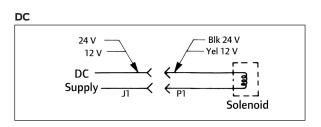
DC = Direct current
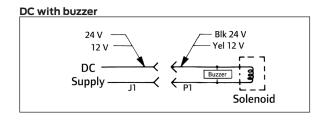
Continuous duty = Energized 1 min. or more

Note: When using device not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for application assistance.

AC

AC with buzzer

DC

DC with buzzer

Ordering information

6300 – S024 – EB

Model	Rectifier kit*	Buzzer*
1	2	3

* Optional

1	Model
6300	Surface mounted strike for rim exit devices
2	**Rectifier kit (optional)**
S012	Converts 12 VAC voltage to 12 VDC to operate the solenoid
S024	Converts 24 VAC voltage to 24 VDC to operate the solenoid
3	**Buzzer (optional)**
EB	Entry buzzer

Standard features

- Power failure mode: Fail-Secure (FSE)
- Voltage: field selectable 24 VDC or 12 VDC
- Finish: stainless steel, satin BHMA 630/US32D

6400 Series modular strike for mortise and cylindrical locksets

Overview

The 6400 electric door strike from Von Duprin is designed to be modular and highly configurable to fit nearly any mortise or cylindrical lock. This versatile strike allows the installer to insert and lock-in the deadbolt keeper or plug and deadlatch ramp anywhere within its 3 $\frac{1}{8}$" vertical opening to fit the latch position and functional needs. This, combined with a $\frac{1}{8}$" horizontal adjustment, makes this easy-to-install design a good fit for installations where misalignment or a tight fit may be a problem.

As a 3-hour UL 10C listed strike, the 6400 Series is intended as a fail-secure only solution for fire-rated openings. Its durability and quality are shown by its grade 1 certification as a heavy-duty stainless steel strike with over 2,000,000 endurance cycles.

Use it as a time-saving, "go to" strike. The 6400 comes ready for use with prewired plug-in connectors for 12 or 24 VDC voltage that can be changed over to 12 or 24 VAC without a converter kit, two faceplates — one each for offset and centerline locks as well as a trim filler plate, mounting tabs and shims and a self-adhesive template for frame cuts. An optional "plug in" latchbolt monitor is also available and can be added in the field at any time after installation.

Features and benefits

- Modular design fits cylindrical and nearly any mortise lock
- Heavy-duty stainless steel construction in BHMA 630 satin finish
- Vertical adjustments allow for alignment with a wide variety of mortise locks with offset latches
- Horizontal adjustment of up to $\frac{1}{8}$" improves fit on tight door preps
- Can accommodate up to 1" deadbolt (for night latch only)
- Field selectable voltage 12 or 24VDC and 12 to 24VAC
- Plug-in voltage connectors are included for ease of installation and removal during strike servicing
- Optional plug-in latchbolt monitor can be added in the field
- Non-handed, unique internal solenoid design prevents keeper from heating up
- Low current draw (0.19 amps @ 24 VDC)
- Suitable for interior and exterior doors
- 3-hour fire-rated to UL 10C (fail secure only)
- UL 1034 listed for burglary-resistant electric door strikes
- UL 294 listed for access control system
- CSFM California State Fire Marshal listed
- ANSI/BHMA A156.31, Grade 1 certified
- Static strength: 1500 lbs
- Dynamic strength 70 ft-lbs
- Endurance 2,000,000 cycles

Lockset compatibility

Vertical adjustment of the deadbolt keeper or deadlatch ramp allows for alignment with a wide variety of mortise locks with offset latches. Accommodates up to 1" deadbolt*. Up to $\frac{1}{8}$" horizontal adjustment for misaligned frames.

* Night-latch function only, bolt will not release

6400 Series power requirements

Model	Mode	Voltage	Duty	Sound	Amps1	Ohms2
6400	Fail-locked	12 VDC	Continuous	Silent	.375	37
6400	Fail-locked	24 VDC	Continuous	Silent	.190	148
6400	Fail-locked	12-24 VAC	Intermittent	Buzz	.280 - .565	37

Intermittent duty = Energized less than 1 min. with duty ratio 1:5;
Continuous duty = Energized 1 min. or more.
[1] Ratings are based on maximum current draw at +10ºC and include initial power-up current draw.
[2] Nominal resistance at +25ºC +/- 7% tolerance.

Model specifications

Model number	6400
Latchbolt throw	(Also accomodates 1" deadbolt as a nightlatch only - no release)
Backbox depth	4 $\frac{7}{8}$" (Includes two face plates: Centerline and Off-set latch entries)
Backbox depth	1 $\frac{3}{4}$"
Finish	US 32D/BHMA 630
Lockset	Cylindrical, mortise, mortise exit
Number of doors	Single
Door/frame type	Hollow metal, aluminum and wood
Options	2 Rectifier kits: • S012 Converts 12 VAC voltage to 12 VDC to operate the solenoid • S024 Converts 24 VAC voltage to 24 VDC to operate the solenoid (Entry Buzzer)
Certifications	ANSI/BHMA A156.31 Grade 1, 3-hour fire rated to UL 10C (FSE only), UL 1034, UL 294, CSFM
Applications notes	Modular electric strike ideal for aftermarket applications. Fail-secure only for fire-rated openings.

6400 Series modular strike for mortise and cylindrical locksets

Wiring instructions

Use the appropriate wire harness supplied.
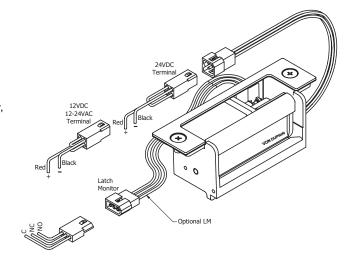
- 12V for 12VDC and 12-24VAC
- 24 for 24VDC only

Attach the red wire to (+) positive of the power supply. Attach the black wire to the (-) negative of the power supply. If using AC power, polarity is not observed.
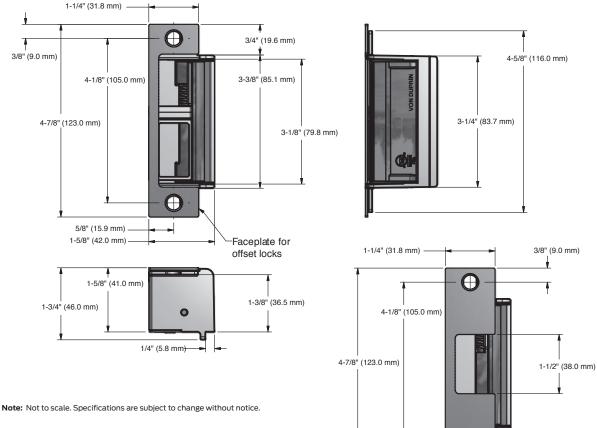
Note: If a suppression diode is required for access control, observe proper polarity.

Latch monitor wires

- Black = Common (C)
- Blue = Normal Close (NC)
- Orange = Normal Open (NO)

6400 Series dimensions

1-1/4" (31.8 mm)
3/8" (9.0 mm)
4-1/8" (105.0 mm)
3/4" (19.6 mm)
3-3/8" (85.1 mm)
4-7/8" (123.0 mm)
3-1/8" (79.8 mm)
5/8" (15.9 mm)
1-5/8" (42.0 mm)
Faceplate for offset locks

4-5/8" (116.0 mm)
3-1/4" (83.7 mm)

1-5/8" (41.0 mm)
1-3/4" (46.0 mm)
1-3/8" (36.5 mm)
1/4" (5.8 mm)

1-1/4" (31.8 mm)
3/8" (9.0 mm)
4-1/8" (105.0 mm)
4-7/8" (123.0 mm)
1-1/2" (38.0 mm)
5/8" (15.9 mm)
Faceplate for centerline locks (included)

Note: Not to scale. Specifications are subject to change without notice.

Ordering information

6400 – S024 – EB

Model	Rectifier kit*	Buzzer*
1	2	3

* Optional

1	Model	
6400	Modular strike	
2	Rectifier kit (optional)	
S012	Converts 12 VAC voltage to 12 VDC to operate the solenoid	
S024	Converts 24 VAC voltage to 24 VDC to operate the solenoid	
3	Buzzer (optional)	
EB	Entry buzzer	

Accessories
- LM6400 Latchbolt monitor - indicates when door is latched (ships separately)

Standard features
- Power failure mode: Fail-secure only (FSE)
- Voltage: Field selectable 12 or 24 VDC and 12 or 24 VAC voltage
- Finish: Stainless steel, satin (BHMA 630/US 32D)
- Centerline and offset face plates included
- Also includes: two plug-in voltage connectors, self-adhesive template for frame cuts, trim filler plate, mounting tabs and shims, as well as tamper-resistant screws with a security driver bit

Electric Strike/Lock information

Finishes

US number	BHMA number	Description	Von Duprin number
US3	—	Plated polished brass on stainless steel	85
US4	—	Plated dull brass on stainless steel	84
US10	639	Plated dull bronze on stainless steel	06
US10B	640	Plated dark bronze on stainless steel	86
US32	629	Stainless steel, polished	31
US32D	630	Stainless steel, satin	32

Wire size selection

Current requirement at 24VDC

Length of wire run (in feet)	0-.5 Amp	.5-1 Amp	1-2 Amp	2-3 Amp
0-100	18	18	18	18
100-200	18	18	18	16
200-300	18	18	16	14
300-450	18	16	14	12
450-600	18	16	12	NR
600-900	16	14	NR	NR
900-1200	14	12	NR	NR

NR — Not recommended

Cross reference

Name	Strike/Lock mounting	Number of doors	Frame materal (SGL DR) Door material (BL DR)	Faceplate length	Drop in replaces Von Duprin:	Drop in replaces Folger Adam:
6111	Rim device	Single[1]	All	6"	3031	
6112	Rim device	Single	All	9"		310-4[4]
6113	Rim device	Single	All	6"	3011, 21, 92	
6114	Rim nightlatch	Single	All	7"		310-5[5]
6121	Rim device	Double-closed back	All	9"		310-4-100[5]
6210	Mortise	Single	HM/Alu	$4^{7}/_{8}$"		
6211	Mortise or cylindrical	Single	HM/Alu	$4^{7}/_{8}$"	3140	712
6211AL	Mortise or cylindrical	Single	Aluminum	$4^{7}/_{8}$"		722
6211WF	Mortise or cylindrical	Single	Wood	$4^{7}/_{8}$"		732[6]
6212	Mortise or cylindrical	Single	HM/Alu	$6^{3}/_{8}$"	3146	
6212WF	Mortise or cylindrical	Single	Wood	$6^{3}/_{8}$"		
6213	Mortise or cylindrical	Single	All[2]	6"	3041, 42, 61, 62	
6214	Mortise or cylindrical	Single	All[3]	9"		310-2 $^{3}/_{4}$
6215	Mortise or cylindrical	Single	All[3]	9"		310-2
6216	Mortise and deadbolt	Single	HM/Alu	9"		310-3-1
6221	Mortise or cylindrical	Double-open back	All	6"	3071, 72	
6222	Mortise or cylindrical	Double-open back	HM/Alu	9"		310-2 $^{3}/_{4}$ OB
6223	Mortise or cylindrical	Double-closed back	All	6"	3091, 92	
6224	Mortise or cylindrical	Double-closed back	HM/Alu	9"		310-2 $^{3}/_{4}$
6224AL	Mortise or cylindrical	Double-closed back	Aluminum	9"		310-2 RF
6225	Mortise or cylindrical	Double-open back	HM/Alu	9"		310-2 OB
6226	Mortise or cylindrical	Double-closed back	HM/Alu	9"		310-2

[1]Includes double door with mullion.
[2]Recommended on wood frames only if drop in replacement is needed for 3041, 42, 61, 62 on wood frames. Otherwise use 6211WF.
[3]Recommended on wood frames only if drop in replacement is needed for 310-2 3/4, 310-2 on wood frames. Otherwise use 6211WF.
[4]Strike lip area cutout is slightly larger than Folger Adam.
[5]Surface applied strike. Mounting hole locations different from Folger Adam.
[6]Wood frame horizontal solenoid location differs from Folger Adam. May require frame prep modification when retrofitting.

Latch retraction

Quiet electric latch retraction (QEL)

Quiet electric latch retraction (QEL) provides electronic control of an exit device for environments where limited operational noise is desired. These devices always provide mechanical egress. The electrified latch retraction can also be activated by an access system or building automation system to unlatch the exit device momentarily. Often the QEL is used with a credential reader and access control system to unlock the door momentarily for authorized users.

The QEL can also be configured to electronically retract the latch for an extended period of time to allow free entry. This is a convenient alternative to mechanical dogging. If manual dogging is required, the hex dogging option is available, to order specify HD-QEL. Special center case dogging is also available for 98/99 rim and vertical systems, specify SD-QEL.

The QEL option is available on panic devices and fire rated devices. UL approved for Class II circuit applications.

The QEL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT and PS900 power supply sections for additional information. QEL can use PS902, 904, 906, 914 with 2RS, 4RL or 4R board.

The QEL has a low inrush current, so it can be used with standard Schlage power supplies. Calculate the peak current draw of all devices in the system to determine the required amperage of the supply.

The -2RS option board is designed to control two electric latch retraction devices and provide time delay between the firing of outputs is required. The power transfer is also sold separately.
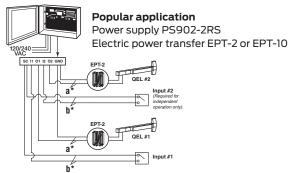
To order, specify:
1 Standard — Use prefix QEL, example QEL99L.
2 Special center case dogging — Use prefix SD-QEL, example SD-QEL99L
3 Hex Key dogging – Use prefix HD-QEL, example HD-QEL99L

Note: Baseplate and modular QEL conversion kits are available for field retrofit. Please see price book for part numbers.

Schlage PS902	Schlage PS904	Schlage PS906
up to 2 amps	up to 4 amps	up to 6 amps

QEL Electrical load	
Voltage	24VDC
Current	1.0 A Inrush (0.5 sec.) / 0.14 A Holding

Minimum door opening widths				
Application	Surface vertical	Concealed vertical	Mortise	Rim
Min. door opening	28 1/4"	28 1/4"	28 3/4"	29 1/4"

Popular application
Power supply PS902-2RS
Electric power transfer EPT-2 or EPT-10

a*	Distance (one-way)	Wire gauge
	200'	18 AWG
	320'	16 AWG
	500'	14 AWG
	800'	12 AWG

b*	Wire selection	Switch wire size
	1200 ft. Max.	18 gauge standard

Electric latch retraction (EL)

The Electric latch retraction (EL) option provides electronic control of an exit device using a powerful, continuous duty solenoid. If manual dogging is required, special center case dogging is also available for 98/99 rim and vertical systems, specify SD-EL. SD-EL is not available on 9875 or 9975 devices. UL approved for Class II circuit applications. The EL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS914 power supply. The PS914 with the 9002RS option card is the minimum option card required. Other option cards available for other functions, see PS914 power supply for additional information.

Solenoid specifications:
Continuous duty – 24 VDC
Current inrush – 16 Amps
Current holding – 0.3 Amps

Solenoid resistance:
-grn-yel 1.2 – 2.2 OHMS
-grn-org 100 – 150 OHMS

To order, specify:
1 Standard – Use prefix EL, example EL99L.
2 Hex Key dogging – Use prefix HD-EL, example HD-EL99L
3 Special center case dogging – Use prefix SD-EL, example SD-EL99L

Note: Baseplate EL Conversion kits are available for field retrofit. Please see parts/service manual for part numbers.

Minimum door opening widths				
Application	Surface vertical	Concealed vertical	Mortise	Rim
Min. door opening	28 1/4"	28 1/4"	28 3/4"	29 1/4"

Popular EL application
Power supply PS914-2RS
Electric power transfer EPT-2 or EPT-10

	Von Duprin exit device	EL Wire length (feet)[1]	Wire gauge (AWG)
	EL 98/99 Rim EL 33A/35A Rim	0-500	12
		0-300	14
		0-200	16
a*	All other 98/99EL	0-250	12
		0-150	14
		0-100	16
b*	Control Switch	0-1200	18

1. Wire lengths include an EPT, Door loop, electric hinge or pivot and are measured one way between the PS914/option board and the device.
2. Table is applicable to devices that have shipped after August 2012.

Delayed egress

Chexit (CX) (with motor driven blocking actuator)

The Von Duprin Chexit device is designed for controlled egress applications. It meets both life safety and security needs, as well as the requirements of NFPA 101 for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control inputs, auxiliary locking, local alarm and remote signaling outputs are self-contained in the Chexit assembly. Numerous configurable options allow the device to be customized for the specific code or application requirements. The standard Chexit device sounds an alarm and keeps the door secured for 15 seconds following an exit attempt with immediate release upon fire.

The Chexit device includes a 6" x 20" decal for application on door.

"PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS"

Chexit typical applications

Chexit single door with options – The Chexit is used as an access control device. The card reader allows access. Also shown in this application is an external horn and door position switch. The auxiliary horn is used for increased volume in remote locations.

Using a door position switch gives added security to the opening in case the door is not reclosed. Door position switch is recommended with Chexit. DPS improves security for door forced-open or held-open situations.

With the Chexit disarmed, the opening functions as a normal exit device. If card readers are required on both sides of the door, the normally closed contacts of the readers should be wired in series.
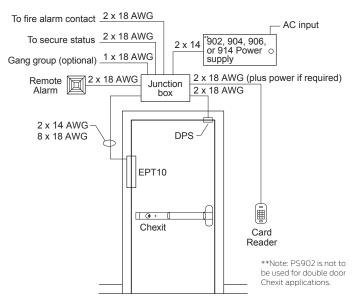

Figure 1. Riser diagram, single door

Labels in diagram:
- To fire alarm contact — 2 x 18 AWG
- To secure status — 2 x 18 AWG
- Gang group (optional) — 1 x 18 AWG
- Remote Alarm — 2 x 18 AWG
- 2 x 14 — 902, 904, 906, or 914 Power supply
- AC input
- Junction box
- 2 x 18 AWG (plus power if required)
- 2 x 18 AWG
- 2 x 14 AWG / 8 x 18 AWG
- DPS
- EPT10
- Chexit
- Card Reader

**Note: PS902 is not to be used for double door Chexit applications.

Minimum door opening sizes for CX devices

Consult factory for other size requirements.

Device	3' (914mm) Length	4' (1219mm) Length
CX33A/35A	2'10³/₄" (883mm)	3'4³/₄" (1035mm)
CX3327A/3327A-F/3527A/3527A-F	2'10¹/₄" (870mm)	3'4¹/₄" (1022mm)
CX3347A/3347A-F/3547A/3547A-F	2'10¹/₄" (870mm)	3'4¹/₄" (1022mm)
CX3348A/3348A-F/3548A/3548A-F	2'10¹/₄" (870mm)	3'4¹/₄" (1022mm)
CX3349A/3349A-F/3549A/3549A-F	2'10¹/₄" (870mm)	3'4¹/₄" (1022mm)
CX3350/3350WDC-F/3550/3550WDC-F	2'10¹/₄" (870mm)	3'4¹/₄" (1022mm)
CX98/98-F/99/99-F	2'10³/₄" (883mm)	3'4³/₄" (1035mm)
CX-XP98/XP98-F/XP99/XP99-F	2'10³/₄" (883mm)	3'4³/₄" (1035mm)
CX9827/9827-F/9927/9927-F	2'10¹/₄" (870mm)	3'4¹/₄" (1022mm)
CX9847/9847-F/9947/9947-F	2'10¹/₄" (870mm)	3'4¹/₄" (1022mm)
CX9848/9848-F/9948/9948-F	2'10¹/₄" (870mm)	3'4¹/₄" (1022mm)
CX9849/9849-F/9949/9949-F	2'10¹/₄" (870mm)	3'4¹/₄" (1022mm)
CX9850/9850WDC-F/9950/9950WDC-F	2'10¹/₄" (870mm)	3'4¹/₄" (1022mm)
CX9857/9857-F/9957/9957-F	2'10¹/₄" (870mm)	3'4¹/₄" (1022mm)
CX9875/9875-F/9975/9975-F	2'10¹/₄" (870mm)	3'4¹/₄" (1022mm)

Specifications / Power supply

Input voltage – 24VDC	
Input current inrush – 1.25A	
Input current holding – 390mA	
Alarm relay and Secure relay contact ratings – 24VDC, 1A	
Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.	

Power supply information for CX devices with motor driven blocking actuator.

Power supply	Maximum number of devices
PS902 (up to 2 amps)	1 Chexit device
PS904 (up to 4 amps)	3 Chexit devices
PS906 (up to 6 amps)	4 Chexit devices
PS914 (up to 4 amps)	4 Chexit devices

When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating. Consult Installation Instructions for proper wire gauge and wire run requirements. Exceeding the recommended devices and/or not following Installation Instructions may void your warranty. For more information call Customer Care at 877-671-7011.

To order, specify:

1. Prefix product description number "CX". Ex: CX99L
2. Specify option. Ex: CX-RCM or CD-CX
3. Door size other than 3' (914mm).
4. Door thickness other than 1³/₄" (45mm).
5. Finish.
6. Handing, LHR or RHR. Required with "CD" option.

Note: Chexit devices built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements. The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

RCM Remote Chexit Module

Designed to provide the concept of the Chexit delayed exit system for door sizes smaller than the standard device can accommodate. The Chexit module is installed in a control box and mounted on the wall next to the door. Features and functions of the standard Chexit exit device are available on the RCM.

RCM Module

Minimum door opening sizes for RCM devices

Consult factory for other size requirements.

Device	3' (914mm) Length	4' (1219mm) Length
CX-RCM33A/35A	2'5" (737mm)	2'11" (889mm)
CX-RCM3327A/3327A-F /3527A/3527A-F	2'4$^{1}/_{2}$" (724mm)	2'10$^{1}/_{2}$" (876mm)
CX-RCM3347A/3347A-F /3547A/3547A-F	2'4$^{1}/_{2}$" (724mm)	2'10$^{1}/_{2}$" (876mm)
CX-RCM3348A/3348A-F /3548A/3548A-F	2'4$^{1}/_{2}$" (724mm)	2'10$^{1}/_{2}$" (876mm)
CX-RCM3349A/3349A-F /3549A/3549A-F	2'4$^{1}/_{2}$" (724mm)	2'10$^{1}/_{2}$" (876mm)
CX3350/3350WDC-F/ 3550/3550WDC-F	2'4$^{1}/_{2}$" (724mm)	2'10$^{1}/_{2}$" (876mm)
CX-RCM 98/98-F/99/99-F	2'5" (737mm)	2'11" (889mm)
CX-RCM XP98/XP98-F/XP99/XP99-F	2'5" (737mm)	2'11" (889mm)
CX-RCM 9827/9827-F/9927/9927-F	2'4$^{1}/_{2}$" (724mm)	2'10$^{1}/_{2}$" (876mm)
CX-RCM 9847/9847-F/9947/9947-F	2'4$^{1}/_{2}$" (724mm)	2'10$^{1}/_{2}$" (876mm)
CX-RCM 9848/9848-F/9948/9948-F	2'4$^{1}/_{2}$" (724mm)	2'10$^{1}/_{2}$" (876mm)
CX-RCM 9849/9849-F/9949/9949-F	2'4$^{1}/_{2}$" (724mm)	2'10$^{1}/_{2}$" (876mm)
CX-RCM 9850/9850WDC-F/ 9950/9950WDC-F	2'4$^{1}/_{2}$" (724mm)	2'10$^{1}/_{2}$" (876mm)
CX-RCM 9857/9857-F/9957/9957-F	2'4$^{1}/_{2}$" (724mm)	2'10$^{1}/_{2}$" (876mm)
CX-RCM 9875/9875-F/9975/9975-F	2'5$^{1}/_{2}$" (743mm)	2'11$^{1}/_{2}$" (902mm)

Specifications / Power supply*

Size – 3.75" x 5.57" x 2.50"	
Input voltage – 24VDC	
Input current inrush – 1.25A	
Input current holding – 390mA	
Alarm relay and Secure relay contact ratings – 24VDC, 1A	
Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.	

To order, specify:

See Chexit "How to order" on previous page.

*Note: The information listed in these pages reference the power supply and operating requirements for the redesigned RCM modules with motor driven blocking actuator that launched August 24, 2015. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.
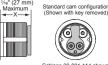
Options

Cylinder dogging (CD) — Special center case cylinder dogging option is available to allow push/pull operation of the Chexit, when disarmed and used in a heavy traffic area. Prefix device with "CD" and specify handing. (For Chexit, CD available on 98/99 rim and vertical only)

Cylinders — Cylinders are not furnished with the Chexit device and must be specified when ordering. Use 1$^{1}/_{4}$" mortise cylinder with compression ring 36-083 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Pricebook for additional information.

1$^{1}/_{16}$" (27 mm) Maximum — X —

Standard cam configuration (Shown with key removed)

Schlage 20-001-114 shown

DE5300 Delayed Egress System

Designed for controlled egress applications when used in conjunction with a magnetic lock. It meets both life safety and security needs, as well as the requirements of NFPA for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control units, auxiliary locking, local alarm and remote signaling outputs are self-contained in the DE5300 assembly.

The DE5300 is commonly used on narrow stile doors where a standard or narrow stile Chexit is not practical. DE5300 Delayed Exit System uses a Chexit logic board and a Von Duprin RX-LC (low current request to exit) panic device to control a Schlage Electronics Direct Hold Magnetic Lock.

DE5300 Module

The Chexit module for the DE5300 is installed in a control box and mounted in the wall adjacent to the door. Features and functions of the standard Chexit exit device are available on the DE5300.

The DE5300 device includes a 6" x 20" decal for application on door. "PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS"

Specifications / Power supply requirements

Size - 3.75" x 5.57" x 2.50"	
Input voltage – 24VDC	
Input current – 1A	
Alarm relay and Secure relay contact ratings – 24VDC, 1A	
Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.	

To fire alarm contact — 2 x 18 AWG
To secure status — 2 x 18 AWG
2 x 18 — 902, 904, 906, or 914 Power supply
AC input (See power supply instructions for AC input requirements)
Remote Alarm — 2 x 18 AWG
Junction box
2 x 18 AWG (plus power if required)
5 x 18 AWG
15 x 18 AWG
Magnetic Lock
2 x 18 AWG — EPT2/10
DE5300
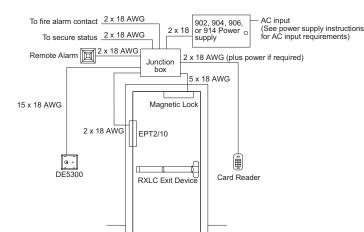RXLC Exit Device
Card Reader

Figure 1. Riser diagram, single door

To order, specify:

1. DE5300
2. M420/P, M450/P, or M490/P magnetic lock (order direct from Schlage Electronics).
3. RX-LC 22/33A/35A/98/99 device.
4. PS900 Series
5. EPT-2/10

Chexit, RCM and DE5300 features

The Chexit, Remote Chexit Module (RCM) or DE5300 devices have several features and options available to fit your applications. See below for more information.

Inputs and outputs

Fire alarm input
This input releases the door immediately upon a fire alarm allowing immediate egress. The internal alarm can be silenced during a fire input via an onboard switch setting.

Inhibit input (access control)
This optional input is provided to allow authorized egress or entry when the device is Armed using an external card reader, key switch, etc. It also allows remote reset of the Chexit, RCM or DE5300 in an alarmed condition. The ability to reset alarms with the inhibit input can be disabled via an onboard switch setting.

Door position switch input
An optional Door Position Switch (DPS) can provide door position status to Chexit, RCM or DE5300 for additional security, ensuring that the door is closed, and can cause alarm when the door is left or forced open.

Gang bus
The gang bus allows a Chexit, RCM or DE5300 device to signal other Chexit, RCM or DE5300 devices when it enters the release delay, allowing multiple doors to release at the same time in an emergency. Up to 8 devices may be connected to the gang bus.

Alarm relay contacts
The alarm relay contacts are provided as a means to control a remote alarm, such as a horn or lamp, or signal an external monitor. The contacts can be configured with a jumper as normally open or normally closed, and become active upon entering an alarmed condition.

Secure relay contacts
The secure relay contacts are provided as a means to signal an external monitor. The contacts can be configured as normally open or normally closed with a jumper, and become active when the DPS indicates the door is closed and the push pad is locked.

Delays

Release delay
When the push pad is pushed and the nuisance delay expires, the Chexit, RCM or DE5300 enters the release delay with alarm. During the release delay, the internal alarm sounds, the alarm relay activates, and the Chexit/RCM keeps the push pad or DE5300 magnetic lock, locked for 15 seconds (less any time already elapsed during the nuisance delay). Once started, the release delay sequence will not stop and the devices will unlock.

Nuisance delay
When a Chexit, RCM or DE5300 is located in a public area, it can be desirable to limit false releases when the push pad is accidently pushed. The nuisance delay is the brief time a push pad can be accidently pushed before the release delay sequence starts. If the nuisance time is set to 0 seconds the Chexit, RCM or DE5300 will enter release delay as soon as the push pad is pushed (when armed). Setting the nuisance time to 1, 2, or 3 seconds allows the push pad to be pressed for 1 to 3 seconds before the Chexit, RCM or DE5300 goes into release delay. If the nuisance audio and nuisance delay are both on, the internal alarm will pulse during the nuisance delay. The alarm relay does not activate during the nuisance delay. If the push pad is released before the nuisance delay expires, the Chexit, RCM or DE5300 will remain armed.

Rearm delay
The rearm delay is the amount of time after the key switch or inhibit input is deactivated to when the device rearms. It is designed to give someone time to pass through the door before rearming occurs. The rearm time can be changed via the onboard switch settings from 0 and 28 seconds in 2 second increments. If the rearm time is set to 30 seconds and a DPS is used, if the door is opened and the rearm time expires, there will be no alarm. The Chexit, RCM or DE5300 will rearm after the door is closed. If the door never opens, the Chexit, RCM or DE5300 will rearm after 30 seconds. If not using a DPS, the Chexit, RCM or DE5300 will always rearm in 30 seconds.

DPS delay
If the DPS detects that the door closed during the rearm delay, the Chexit, RCM or DE5300 ends the rearm delay and allows 2 seconds for the latch to clear the strike before rearming.

Interface

Key switch
The key switch provides the means to arm or disarm/reset the Chexit, RCM or DE5300. Turning the key switch clockwise initiates the rearm delay, and turning the key switch counter-clockwise disarms/resets the Chexit, RCM or DE5300. The key switch allows the key to be removed in either the arm or the disarm/reset position.

Status indicator
The red status indicator displays the status of the Chexit, RCM or DE5300. The status indicator flashes slow if the Chexit, RCM or DE5300 is armed, flashes fast in an alarmed mode, is off when inhibited and on solid during rearm delay.

Internal alarm
The internal alarm sounds the status of the Chexit, RCM or DE5300. The internal alarm sounds continuously during and after a fire alarm or a release delay, pulses fast during the nuisance delay or a tamper and pulses slow during disarmed powerup mode.

Settings

Armed powerup
When set to OFF, a power disruption and power return will put the Chexit, RCM or DE5300 in a disarmed, unlocked alarm mode.

Trim fail safe / fail secure (FS/FSE)
The trim input power can be set to FS (Fail Safe; locked when energized, unlocked when deenergized or during power failure) or FSE (Fail Secure; unlocked when energized, locked when deenergized or during power failure).

The trim must be bought or modified to physically function as FS or FSE. This on board setting only selects the trim input power.

Trim operation overview

Rim and vertical application
Trim will not function when Chexit is armed.

Mortise application
Trim will function when Chexit is armed.

Chexit requiring pull side operation:

	Mechanical trim	Electric trim
Rim and vertical	Access control disarms Chexit. Rotate lever to enter.	Access control disarms Chexit and unlocks electric trim. Rotate lever to enter.*
Mortise	a) Use key to unlock lever. Rotate lever to enter. ** b) Use RX996L-M to disarm Chexit. Rotate lever to enter. ***	Access control disarms Chexit and unlocks electric trim or electric mortise lock. Rotate lever to enter.

* Fail Secure Trim recommended. For Fail Safe applications, contact technical support to review application
** Do not use Door Position Switch with Chexit in this application
*** Allows free ingress at all times

Switches

LX33A/LX35A
RX33A/RX35A

EMERGENCY EXIT ONLY
PUSH TO OPEN & SOUND ALARM

Request to exit (RX)

The RX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The RX switch option should not be used to control a load, but as a signalling switch (2 amps. resistive maximum).

The RX switch is available in a low current (LC) 50ma max switch. Most commonly used to signal low-current access control inputs.

To order, specify:

- Standard – Use prefix RX, example RX99EO
  Low Current – Use prefix RX-LC, example RX-LC98EO

Double request to exit (RX2)

The RX2 feature uses two RX switches.

To order, specify:

- Standard – Use prefix RX2, example RX299EO

Waterproof request to exit (WP-RX)

- Switch rated to IP67 – protected from contact with harmful dust and from immersion in water with a depth of up to 1 meter (3.3 feet) for up to 30 minutes
- **Note:** All in-field electrical connections should be in compliance with IP67 to ensure trouble free operation.

Latchbolt monitoring (LX)

The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The LX switch option should not be used to control a load, but as a signalling switch (2 amps. resistive maximum).

The LX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:

- Standard – Use prefix LX, example LX99EO
- Low Current – Use prefix LX-LC, example LX-LC98EO

Electrical rating for all switches:

- Standard – 2 Amp maximum @ 24VDC
- Low Current (LC) - below 50 Milliamps @ 24VDC

LXNotes:

XP 98/99 uses LX-LC, factory installed only.
98/9975, 5575, 8875 use the SS7500 lock body
LX not recommended for CVC devices.
All RX and LX switches can be factory installed; most can be field installed.

Signal switch (SS)

Monitors pushpad and latch bolt

The SS feature is used to signal the unauthorized use of an opening. This device is equipped with two internal SPDT switches. One switch monitors both the pushpad and the latch bolt assembly, making the latch bolt tamper resistant, for positive security. An additional SPDT switch is connected to the $1^{1}/_{4}$" (32mm) mortise cylinder with straight cam for alarm "bypass." (Schlage cam reference L583-477). The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

Pushpad reads: "Emergency Exit ONLY – Push To Open And Sound Alarm." Pushpad is only available in US32D finish with red silk-screened lettering.

The SS mortise lock device is furnished with both the signal switch device and the SS7500 mortise lock. The SS7500 mortise lock has the versatility and advantages of the 7500 lock with the addition of signalling functions to monitor latch bolt operation and the trim locking function. The SS7500 mortise lock is supplied standard with the SS mortise lock device.

To order, specify:

1. Prefix SS, example SS99L.
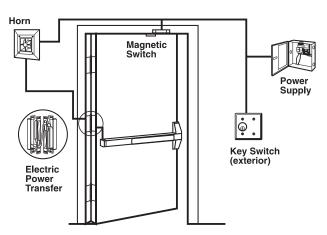2. Handing required, LHR or RHR.

Electrical ratings:

Up to 2.0 AMPS @ 24VDC

Note: SS is a factory Installed option only.

Popular SS Application

Unauthorized use of this opening will activate the local horn. The key switch permits inhibiting this system for authorized entry.

Horn

Magnetic Switch

Power Supply

Electric Power Transfer

Key Switch (exterior)

Alarm kit

Alarm kit (ALK) is a simple yet effective way to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal horn. When the touch bar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key thus allowing the exit device to be set in an armed or disarmed mode. The horn is rated at 85 decibels.

For hardwire applications
The assembly includes both a 24VDC Input and External Inhibit standard. The External Inhibit provides remote arming and disarming.

The key switch uses a standard $1\,^1/_4$" (32mm) mortise cylinder with a straight cam (Schlage 20-001, L583-477 cam). The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal.

Auto reset (AR) option is available with this kit. This kit allows the device to resume the alarm option after a preset time. Preset times can be field selected at 1.5, 3, or 4.5 minutes.

Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the touchpad and is furnished standard. LX optional latch bolt monitoring is recommended for use with surface vertical rod exit devices or when alarm needs to sound from both the exit device and trim side of the door. Specify ALK-LX.

Note: For latch bolt monitoring on a 98/9975 with ALK, specify a SS7500 lock. LX switch not available for 98/9975 devices.

The ALK is available in two styles, 33A/99ALK, grooved cover and 35A/98ALK, smooth cover.

The ALK includes a 6" x 20" decal for application on door "EMERGENCY EXIT ONLY. ALARM WILL SOUND." RSS push bar trim can be used instead of the door decal, specify RSS push bar trim when ordering the device.

When the ALK is used, standard dogging is removed. If cylinder dogging is required there are two choices. Special center case dogging (SD) is available on 98/99 rim and vertical devices. Or, the ALK can be moved to the hinge side of the device to accommodate cylinder dogging (CD). Standard for 98/99; engineering special for 33/35A. Note size restrictions below.

To order, specify:
1. Standard, 98 ALK
2. Special center case dogging, SD98 ALK (98/99 Series rim and vertical devices only)
3. Cylinder Dogging, CD98 ALK

Minimum door opening sizes on ALK applications*

Device	3' (914mm) Length	4' (1219mm) Length
98/98-F/99/99-F	2'10" (864mm)	3'4" (1016mm)
9875/9875-F/9975/9975-F	2'10" (864mm)	3'4" (1016mm)
9827/9827-F/9927/9927-F	2'10" (864mm)	3'4" (1016mm)
9857/9857-F/9957/9957-F	2'10" (864mm)	3'4" (1016mm)
9847/9847-F/9947/9947-F	2'9" (838mm)	3'3" (991mm)
9848/9848-F/9948/9948-F	2'9" (838mm)	3'3" (991mm)
9849/9849-F/9949/9949-F	2'9" (838mm)	3'3" (991mm)
33A/35A	2'9" (838mm)	3'3" (991mm)
3327A/3527A	2'8" (813mm)	3'2" (966mm)
3347A/3347A-F 3547A/3547A-F	2'8" (813mm)	3'2" (966mm)
3348A/3348A-F 3548A/3548A-F	2'8" (813mm)	3'2" (966mm)
3349A/3349A-F 3549A/3549A-F	2'8" (813mm)	3'2" (966mm)

* Sizes shown are without CD option.
  · 3' devices with CD: cannot be cut.
  · 4' devices with CD: cut off 6" maximum

Electrified mortise and electrified trim

E996L Electrified lever trim provides remote locking and unlocking. Available in either fail safe (FS) or fail secure (FSE) condition, but can also be field converted where allowed. E996L is furnished standard with cylinder operation for nightlatch (NL) function, or with blank escutcheon (BE).
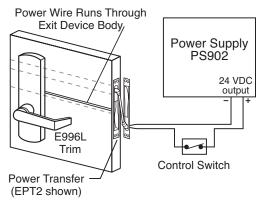
To order, specify:

1. Use "E" prefix, example E996L. When ordering with the exit device specify trim series with prefix "E", example 9927L-BE 3' US26D E996.
2. If ordering trim separately from device, specify device type: R/V (rim/surface vertical/concealed vertical) or M (mortise). Example E996L-R/V
3. RHR is furnished standard if not specified. Field reversible.
4. Lever style (06 lever is furnished standard).
5. Specify 12VDC or 24VDC (Standard)

Specifications

0.6 AMPS @ 12 VDC, 0.22 AMPS @ 24 VDC

E996L Electrical wiring

▪ Power input for E996L is 12VDC or 24VDC

▪ Two wires on trim are non-polarized (18 AWG minimum)

▪ RX option available for 996 trim to monitor lever trim operation (available as L or L-BE). To order, add RX prefix to trim description.

Note: The RX switch option should not be used to control a load, but as a signaling switch only.

The electric mortise lock device has all the versatility and advantages of the standard mortise lock device, plus the advantage of being electrically controlled by a remote switching device, an access control system or an automatic fire alarm system. The device features the E7500 mortise lock. The E7500 controls the locking of the outside trim. When unlocked, the door remains latched, preserving the fire rating of the door and making it particularly useful where codes permit locking but require unlocking during a fire emergency. The outside trim cylinder retracts the latch bolt for mechanical override, night latch function. Only available with TP, K or L functions.

The E7500 lock contains a SPDT signal to monitor the outside trim condition (locked or unlocked) and a second SPDT signal switch to monitor the latch bolt.

Standard features:

▪ Field reversible handing
▪ 24 VDC continuous duty solenoid

Optional features:

▪ Fail safe (locked when energized, unlocked when de-energized or during power failure). Specify with suffix "FS."
▪ Fail secure (unlocked when energized, locked when de-energized or during power failure). Specify with suffix "FSE"
▪ 24 VAC (with SO option)
▪ 12 VDC
▪ 12 VAC (with SO option)

Note: Some Fire codes will require "Fail Safe" (FS) operation for stairwell doors. Be sure to specify the correct operation for your application.

Electrical specifications:

▪ Solenoid — .60 AMPS @ 12VDC
              .30 AMPS @ 24VDC
▪ Each switch — Up to 2.0 AMPS @ 24VDC Maximum

The E option does not include the power transfer from door to frame, the power supply or the control operator. (Refer to EPT-10 and PS900 power supplies)

To order, specify:

1. When ordering complete exit device, use prefix "E," example E9975. (When ordering the lock body separately, use E7500)
2. FS or FSE
3. 12V or 24V
4. See 98/99 Series catalog for lever design options.
5. DC or AC current

Note: Prior to ordering, check device catalog to confirm compatibility with a specific device.

Electric mortise lock device
Adaptable for openings where continuous latching is required while the trim may be electrically locked or unlocked from a remote location—stairwells, exterior doors, etc.

Minimum system requirements:

▪ PS902
▪ EPT-10 or electric hinge

Power supplies

PS900 Series power supplies

Overview:
The PS900 Series is a consolidated line of power supplies and accessories that offer enhanced flexibility and functionality specific to the changing needs of the access control market. The PS900 Series can be used in a variety of applications to convert high voltage AC power into the regulated low voltage DC outputs required by most access control devices. The PS900 Series protects devices downstream by providing Class 2*, filtered and regulated power. The full line is UL294 certified.

Features:
- Constant output rating at both 12 VDC or 24 VDC provides superior performance ; includes field selectable jumper
- Flat mounting of option boards provides easier access to terminal blocks for connection of electrified devices
- High voltage protective cover
- Battery back-up board auto-selects voltage
- Fire alarm relay can be configured to provide either switched or un-switched outputs from a power supply
- PS914 designed with high inrush current for powering solenoid-driven EL exit devices
- Universal 120-240 VAC input
- Low voltage DC, regulated and filtered
- Electronic power limiting foldback circuit for AC current overload protection
- Fused primary input
- AC status monitor- isolated SPDT contacts
- AC input and DC output LED status indicators
- Cover mounted AC input indication
- Hinged cover with lock down screws

Certifications:
- UL 294 certified—the standard for access control
- Class 2 rated*

The PS900 Series offers a variety of distribution options, including basic fuse protection, simple relay, and advanced logic providing complex sequencing and timing functions.

Connectors on the power supply

Product	Schlage PS902	Schlage PS904	Schlage PS906	Von Duprin PS914
Amperage	2 amps	4 amps	6 amps	4 amps with 16 amp inrush
Distribution boards	1	2	3	2
Battery back-up board	1	1	1	1
EL Compatible	No	No	No	Yes

Applications:
The PS900 Series of power supplies works with many electrified devices including Schlage electromagnetic locks, Schlage AD-Series hardwired locks, Schlage electrified mechanical locks, Von Duprin electrified strikes , Von Duprin exit devices, and many other brands.

Accessories:
The PS900 Series features seven option boards for use in a variety of applications. All PS900 Series power supplies option boards are UL 294 certified.

Option boards:
900-4R: 4 relay controlled output board to power multiple devices

900-4RL: 4 relay distribution board with logic is field configurable for time delay function, auto operator, security interlock

900-8F: Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection

900-8P: Provides 8 individually PTC -protected (thermally protected) outputs, giving the flexibility to power multiple devices and provide another layer of protection

900-FA: Emergency interface relay integrates with fire alarm and is used to cut power in case of emergency**

900-BB: Battery backup

900-2RS: 2 relay control board for electric latch panic devices (EL or QEL), electric strikes or electrified trim

900-BBK: Battery backup kit includes two 7A/hr batteries and provides up to four hours of backup power when cycled every 5 minutes at full load

Additional options:
900-KL: Key lock

BAA: Buy American Act compliant product

* PS906, output rating exceeds Class 2 power limits, but can provide Class 2 rated outputs when used with 900-8P distribution board.

** One fire alarm board can be connected directly to the PS902. If a fire alarm board is desired for the PS904, PS906 or PS914 it can be connected to a distribution board.

Power transfers and electromagnetic locks

Electrical power transfer (EPT)

Pneumatic transfer (PNT)

Electric Power Transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideal for installations involving abuse or heavy traffic.

Two models are available; EPT-2, two 18 gauge wires and EPT-10, ten 24 gauge wires. The EPT-2, EPT-10, and PNT-1 are UL listed as "miscellaneous fire door accessories". UL Listed for use on fire doors. PNT-1 has one 5/32" tube.

Door applications:

Degree of opening	Hinge type	Door thickness
0-180	Up to 5" butt hinges	1 $^3/_4$"
0-180	Up to $^3/_4$" offest pivots	1 $^3/_4$"
0-130	5 $^1/_2$" butt hinges	1 $^3/_4$"
0-110	6" butt hinges	1 $^3/_4$"
0-90	Swing clear hinges	1 $^3/_4$"

Finishes

SP28 (sprayed aluminum)

SP313 (sprayed duranodic)

Dimensions

Housing	9" x 1$^1/_4$" x 1$^5/_8$" (229mm x 32mm x 38mm)
EPT-2	Two 18 gauge wires, Up to 2 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
EPT-10	Ten 24 gauge wires, Up to 1 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
PNT-1	$^5/_{32}$" Tubing

To order, specify:

1. EPT-2 ,EPT-10 or PNT-1.
2. Finish, SP28 or SP313.

Electromagnetic locks

Schlage has a rich heritage in electronic security. For years we have led the industry by providing a broad portfolio of solutions to meet the diverse needs of the market. Today, our electromagnetic locking portfolio continues to evolve to meet your changing needs.

Schlage electromagnetic locks are used to secure the door in conjunction with push bars, request to- exit devices, or credential readers for fail-safe applications when code compliance permits. You can use them on a single standalone door or as part of an access control system. Electromagnetic locks do not contain moving parts, making them extremely durable and preferred for high security applications.

Electromagnetic locks consist of an armature and a coil assembly, which become magnetized when an electric current passes through them. This magnetic field secures the door. Electromagnetic locks are fail-safe by design. To unlock the door simply remove power.

M400 Series electromagnetic locks

The M400 Series is a robust line of electromagnetic locks with unique new design elements that make them easy to install and secure.

Features:

- Auto voltage selection is standard
- Plus Package (P) adds magnetic bond sensor, relocking time delay, door status monitor
- Optional mounting kits available including: Top Jamb Mount, Double and Glass Door

Certifications:

- UL 1034
- UL 10C 3 hour fire rating
- BHMA Grade 1
    - M420 – 500 lb. hold force for traffic control
    - M450 – 1000 lb. hold force for high security
    - M490 – 1500 lb. hold force for max security

Electromagnetic specialty locks

Schlage's electromagnetic specialty locks provide flexibility for a variety of applications. They offer a depth of features and a proven record of performance.

Features and certifications:

M490DE: Delays egress with 15 second timer: includes integrated alarm

- Designed to meet NFPA 101 & BOCA, UL 10C 3 hr fire rating, UL 294, and BHMA 1500 lb. hold force

M490G: Gate lock is weather resistant for exterior swinging and sliding gates

- BHMA 1500 lb. hold force rated GF3000: Concealed locking mechanism enhances security and appearance
- UL 10C 3 hr fire rating, BHMA 1500 lb. hold force 320M: MiniLine is mortise designed for interior sliding doors
- UL 10C 3 hr fire rating, UL 1034 listed

40/70 Series Electromagnetic Locks

Ease of installation makes the 40/70 Series a perfect choice for retrofit applications. It is also easy to select and stock.

Features and Certifications:

- Magnetic bond sensor and door status monitor standard
- UL 10C 1 hour fire rating and BHMA Grade 1:
- 40 Series – 500 lb. hold force
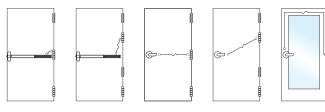- 70 Series – 1000 lb. hold force

Allegion Connect

Allegion Connect features common interconnect components for many cross-category electrified options. Allegion Connect is a quick and easy way to connect power sources. There is no wire cutting; reducing installation and maintenance time ultimately cutting cost. After installation, Allegion Connect continues to provide benefits throughout the lifetime of the opening by offering a service kit for repairs or modifications in the future.

Features and benefits

- Quick: common connections reducing installation time
- Perfect Connections: these factory installed connectors ensure the right wires match up every time
- Protective: the connectors protect the connection points throughout the installation process and lifetime of the opening
- Interchangeable: all Allegion Connect products utilize the same connectors
- Maintenance: you no longer need to cut away wire to disconnect Allegion products, also available as a service kit specifically for Connect products.

Harness length	Connectors on both ends	Connectors on one end, crimped pins on the other end
6 Inches	CON-6	CON-6P
12 Inches	CON-12	CON-12P
26 Inches	CON-26	CON-26P
32 Inches	CON-32	CON-32P
38 Inches	CON-38	CON-38P
44 Inches	CON-44	CON-44P
50 Inches	CON-50	CON-50P
192 Inches	CON-192	CON-192P
Power Supply Wire Harness = Connectors on one end, stripped leads on the other end		
6 Inches	CON-6W - wire extension to power supply	

Consult door manufacturer for harness length requirements.

Note: You will need to purchase a separate wiring harness to go from exit device to hinge/EPT and an additional harness to go from hinge/EPT to power supply or access control system. Harness part numbers with ordering information can be located in the Schlage, Von Duprin and Falcon pricebooks. A service kit is available for order in the Schlage, Von Duprin and Falcon pricebooks. Included in this kit are male end plugs, female end plugs and pins to customize harnesses to your application.

Note: Must be ordered with exit devices and locks

To order, specify:

1. Specify CON for Connect electronic options
   Example: QEL-99-EO-CON (99 Series quiet electric latch retraction exit only with Connect connectors)
2. Specify harness length; Consult door manufacturer for harness length
3. Specify Von Duprin EPT10-CON or Ives electrical thru-wire hinge

Wire run options

RX330/RX350 Push pad

RX330

RX330 and RX350 bar features an active push pad with monitoring switch or "request to exit" switch, used to inhibit alarms for authorized exiting. The 330 grooved outer case and the 350 smooth outer case are designed as companion units for series 33A, 35A, 98 and 99 exit devices.

The internal SPDT switch should not be used to control a load, but as a signaling switch.

Minimum door openings:

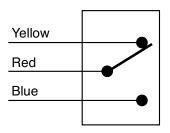|	
3' (914mm)	2'6" (762mm) to 3' (914mm)
4' (1219mm)	3'1" (940mm) to 4' (1219mm)

To order, specify:

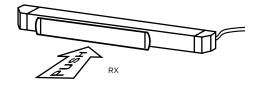1. Prefix series 330 or 350 with "RX".

Example, RX330

2. Size 3' or 4' (3' supplied standard if size not specified)

3. Finish: US3, US4, US10, US28, US26, US26D, 313AN, 315AN

Specifications

SPDT 0.5 ampere @ 24VDC

RX

GUARD-X Exit alarm lock

2670 GUARD-X provides secure, alarmed code-compliant protection for secondary emergency exits. The GUARD-X exit alarm lock readily identifies the door on which it is mounted as an emergency exit and secures the opening against unauthorized use. It is ideal for deterring theft in restaurants and retail establishments such as: discount stores, grocery stores, drug stores, clothing stores and sporting goods stores.

The GUARD-X lock provides secure protection through a large stainless steel deadbolt, which is 2" x $\frac{1}{2}$" (51mm x 13mm) and has over $\frac{3}{4}$" (19mm) throw. The engagement area into the strike is over $1\frac{1}{4}$" (32mm) square inches. The latch case protects the internal mechanism and resists tampering or vandalism from inside the door. This unit has been tested to withstand up to 1600 pounds of static load force against the door.

GUARD-X does not allow re-latching or resetting the alarm after an unauthorized exit, other than by an authorized person with a key. A 100-decibel alarm provides clear, attention getting warning for an unauthorized exit or attempted exit. The armed indicator light informs the owner that the alarm is armed, and an audible low-battery alert signals the owner to replace the battery when necessary.

A standard 9-volt battery powers the alarm. An exterior 9-volt power supply is available, Model PT-790, a 120VAC plug-in. When using the external power supply, the 9-volt battery functions as a battery backup during a power failure.

GUARD-X is armed and disarmed by key using a standard rim cylinder. It can be operated from the building exterior by a standard rim cylinder, so an authorized user can easily arm and disarm it to enter or exit the building when required. When using exterior operation a pull trim is recommended, use 210DT or 230DT. Rim cylinders are not furnished and must be ordered separately.

The 267 strike is furnished standard for single door applications. The optional 2609 strike is available for double door applications.

The GUARD-X non-handed design means the installer can mount it for either hand by just removing and reversing the "EMERGENCY EXIT − ALARM WILL SOUND" sign built into the device. The standard warning sign is in English with Braille; French and Spanish are available.

GUARD-X is UL/cUL listed for Panic Exit Hardware, complies with NFPA 101 Life Safety Code, meets UL305 requirements and is tested in accordance to ANSI A156.3 Grade 1 Panic Hardware. It is compliant with NFPA 101 Life Safety Code by providing a push pad that extends at least one-half the width of any door from 36" to 48" wide. The impact-resistant end caps meet UL305 requirements by providing a design that will not catch on clothing during egress.

To order, specify:
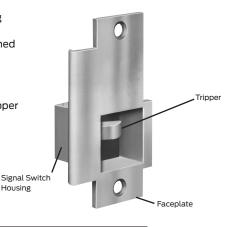
1. Model 2670

2. Finish: US28, 313, 315.

3. Strike if other than standard 267.

4. Language if other than English.

5. Specify Rim Cylinder or Sex Bolts if required.

6. Outside trim if needed.

Specifications

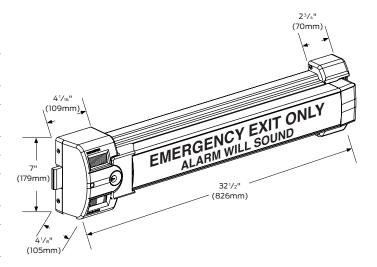|	
Touchbar height to finished floor	40" (1016mm) at center
Door width range	36" (914mm) to 48" (1219mm)
Touchbar projection —	
neutral	4$\frac{1}{8}$" (103mm)
depressed	2$\frac{3}{4}$" (70mm)
Latch case housing	7" (179mm) x 4$\frac{1}{16}$" (103mm) x 4$\frac{1}{8}$" (105mm)
Device length	32$\frac{1}{2}$" (826mm)
Minimum stile requirement	Single door - 5$\frac{7}{8}$", Double door - 6$\frac{1}{4}$"

Note: Von Duprin trim does not thru-bolt to the Guard-X. Ives door pulls 8102-6 and 8105-6 offer dimensions that align and thru-bolt to the Guard-X Exit Lock - Order separately from Ives.

Monitor strikes

Monitor strikes are designed to offer remote door monitoring through the use of a signal switch mounted in the strike to monitor the latch bolt. This series of monitor strikes is designed for use with Von Duprin and most other manufacturers' rim, mortise, surface and concealed vertical rod exit devices and cylindrical, mortise and unit type locks.

The monitor strike replaces the standard door strike. The tripper in the monitor strike is depressed when the latch bolt is fully inserted in the strike. The stainless steel tripper activates an electric switch.

Tripper

Signal Switch Housing

Faceplate

T1 T2 T3

Note: Tripper selection is based on the throw and shape of the latch bolt.

Monitor strike electrical rating

SPDT Switch (single pole double throw):	24VDC @ 2 Amps (resistive)

Series 4263, 4268-T1, 4582

Model specifications

Model number	4263		4268-T1	4582	
Lockset	Rim or surface vertical rod exit devices		Rim fire exit devices	Mortise or cylindrical locks	
Number of doors	Single or pair		Single or pair	Single or pair	
Compatibility (with tripper type)	Von Duprin	22, T3 2227, T1 33A/35A, T3 3327A/3527A, T3 44, T1 55, T1 88, T1 8827, T1 98/99, T3 9827/9927, T1	Von Duprin 22/22-F 33A/35A 88/88-F 98/99 98-F/99-F	Schlage Falcon Arrow™ Corbin Ruswin® Yale®	$^3/_4$" (19mm) Cyl., T2 L90, T2 $^5/_8$" (16mm) ML (LR), T2 $^5/_8$" (16mm) ML (LR), T1 $^5/_8$" (16mm) ML (LR) 5999 ML (LR), T2 $^5/_8$" (16mm) ML (LR), T2
	Monarch	Rim, T3 ($^3/_{49}$" [19mm] throw)			
	Yale®	1500, T1 ($^5/_{89}$" [16mm] throw)			
Certifications			UL list (GXHX R4504) fire exit hardware	UL List (GXHX R4504) fire exit hardware	
Application notes	1		2	3	
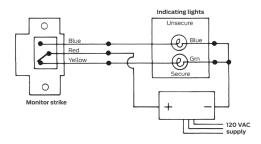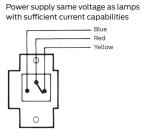
Application notes:
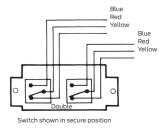
1. The 4263 is non-handed and features horizontal adjustment to compensate for misalignment of door and frame. 4263 may be used with a mullion. Tripper selection (-T1 or -T3) is based upon the lock to be used with.

2. The 4268 features horizontal adjustment to compensate for misalignment of door and frame. 4268-T1 is not for use with mullions.

3. For use on single or pair of doors with ANSI 115.3 frame cutout (frame modification required.) Tripper selection (-T1 or -T2) is based upon the lock to be used.

Monitor strikes

Basic monitor strike circuit

Indicating lights

Unsecure
Blue
Red
Yellow
Blue
Grn
Secure

Monitor strike

120 VAC supply

Power supply same voltage as lamps with sufficient current capabilities

Blue
Red
Yellow

Switch shown in secure position

Blue
Red
Yellow

Blue
Red
Yellow

Double

Switch shown in secure position

Series 4570T1, 4670-T1, 4690-T2, 4690-1-T2

Missing Image

Model specifications

Model number	4570-T1		4670-T1		4690-T2		4690-1-T2
Lockset	Cylindrical locks		Cylindrical locks		Concealed vertical rod exit devices		Concealed vertical rod exit devices
Number of doors	Single or pair		Single or pair		Wide stile pair of doors		Narrow stile pair of doors
Compatibility (with tripper type)	Schlage	$1/29$" (13mm) Cyl. $5/89$" (14mm) Cyl	Schlage	$1/29$" (13mm) Cyl. $5/89$" (14mm) Cyl.	Von Duprin	3347A-F 3347A 9947 9947F	Von Duprin 3347A
	Falcon	$1/29$" (13mm) Cyl. $9/169$" (14mm) Cyl.	Falcon	$1/29$" (13mm) Cyl. $9/169$" (14mm) Cyl.			
	Adams Rite®	4510 8400	Adams Rite®	4510 8400			
	Arrow™	$1/29$" (13mm) Cyl.	Arrow™	$1/29$" (13mm) Cyl.			
	Best®	$9/169$" (14mm) Cyl.	Best®	$9/169$" (14mm) Cyl.			
	Corbin Russwin®	$5/89$" (16mm) Cyl.	Corbin Russwin®	$5/89$" (16mm) Cyl.			
	Dexter®	$7/169$" (11mm) Cyl.	Dexter®	$7/169$" (11mm) Cyl.			
	Kwikset®	$1/29$" (13mm) Cyl.	Kwikset®	$1/29$" (13mm) Cyl.			
	Precision™	1040 Automatic Flush Bolt*	Precision™	1040 Automatic Flush Bolt*			
	Sargent®	$1/29$" (13mm) Cyl.	Sargent®	$1/29$" (13mm) Cyl.			
	Yale®	$1/29$" (13mm) Cyl.	Yale®	$1/29$" (13mm) Cyl.			
Certifications					UL list (GXHX R4504) fire exit hardware		
Application notes	1		2		3		4
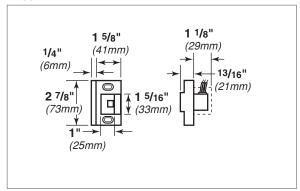
* Special template required

Application notes:
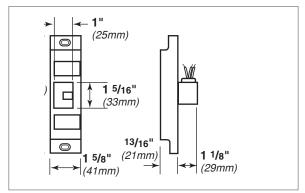
1. For use on single or pair of doors with ANSI 115.2 frame cutout (frame modification required.) 4570-T1 is only used with T1.

2. For use on single or double doors with ANSI 115.3 fame cutout (frame modification required.) 4670-T1 is only used with T1.

3. For use with pair of doors where one leaf has concealed vertical rods. 4690-T2 is only used with T2.

4. For use with pair of doors where both leaves have concealed vertical rods. 4690-1-T2 is only used with T2.

Monitor strikes dimensions

4263

4670-T1

4268-T1

4690-T2

4570–T1

4690–1–T2

4582

To order, specify

1. Model

2. Tripper T1, T2 or T3

3. Handing required on model 4582, specify LHR or RHR

4. Finish: US3, US4, US10, US10B, US26, US26D

Mullions

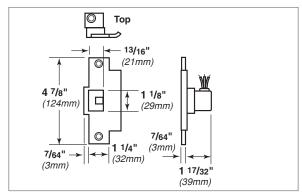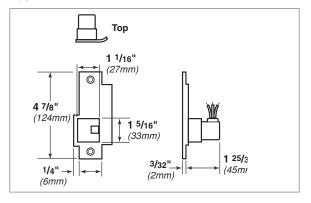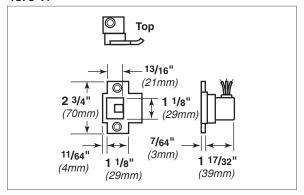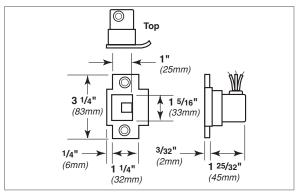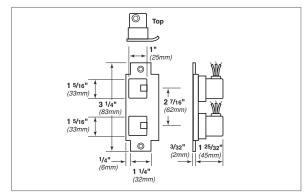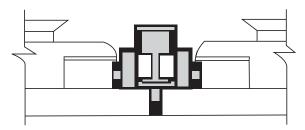**Electrified removable mullions** are used with pairs of doors equipped with rim mounted exit devices.
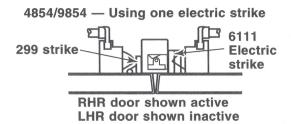
Each includes an electric cable with five conductors wired to a twist-apart plug. The soffit fitting is supplied with a pre-wired mating socket.

4754 — Prepared for two 4263 monitor strikes. Use with all Von Duprin rim panic devices.

4854 — Prepared for one 6111 electric strike and one 299 strike. Indicate handing for electric strike.
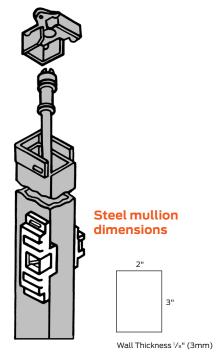
9854 — Prepared for one 6111 electric strike and one 268 or 499F strike. Indicate handing for electric strike. UL Fire labeled for up to 3 hours on up to 8' x 8' (2438mm x 2438mm) openings using Von Duprin fire exit rim devices.

4854/9854 — Using one electric strike

299 strike

6111 **Electric strike**

RHR door shown active
LHR door shown inactive

KR - Keyed removable option available on electrified removable mullion. Makes removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when re-installed, without use of the cylinder key. Uses $1^1/_4$" mortise cylinder with a straight cam (Schlage cam reference B502-191). Cylinders are sold separately. Prefix mullion model with "KR".

To order, specify

1. Model number.
2. Height of opening
3. Finish: SP28, SP313, SPBLK.
4. Handing if required.
5. Centerline deviation (refer to device template for standard centerline).
6. Strikes, when required, should be ordered with device.
7. For keyed removable option prefix model number with "KR", example KR9854.

Steel mullion dimensions

2"

3"

Wall Thickness $1/_8$" (3mm)

Sizes for mullions

4754, 4854, 9854

7' 2" (2184mm)

*8' 2" (2489mm)

*10' 2" (3099mm)
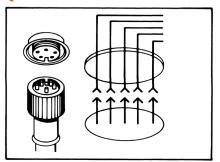
KR4754, KR4854	KR9854[2]
7' 6" (2286mm)	7' 5" (2261mm)
8' 6" (2591mm)	8' 5" (2565mm)[1]
10' 6" (3200mm)	10' 5" (3175mm)[1]
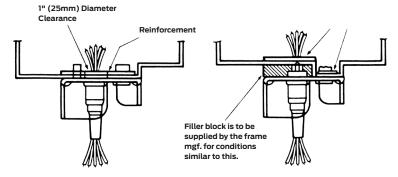
[1] Only qualifying applications will be provided with UL Label.
[2] See exit device catalog for allowable heights for fire rating.

Quick disconnect

Soffit details

1" (25mm) Diameter Clearance

Reinforcement

Filler block is to be supplied by the frame mgf. for conditions similar to this.

Lever styles

Decorative levers

M51 [2]   **M52** [2]   **M53**   **M54**   **M55**

M56   **M57** [1]   **M61** [3]   **M62** [1, 3]   **M63** [3]

M81 [2]   **M82**   **M83**   **M84**   **M85** [3]

1. Available in Stainless Steel substrate ONLY.
2. Knurling available.
3. Handed.

Standard levers

01   **02** [2]   **03** [1, 2]   **05**   **06** [1] (Default lever)

07   **12** [3]   **16** - Omega   **17** [1, 2]   **18**

ACC [3] – Accent   **AST** [3] – Asti   **MER** [3] – Merano   **LAT** [1] Latitude   **LON** [1] - Longitude

1. Available in Stainless Steel - specify SS when ordering
2. Knurling available.
3. Handed.

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had $2.9 billion in revenue in 2019 and sells products in almost 130 countries.

For more, visit **www.allegion.com**

KRYPTONITE ■ **LCN** ■ **SCHLAGE** ■ **STEELCRAFT** ■ **VON DUPRIN**

ALLEGION™

VON DUPRIN®

98/99 Series

Exit devices

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Information and customer care

🖰 us.allegion.com

📞 US 877.671.7011
Canada 800.900.4734

🎧 support@allegion.com
Exits_TechProdSupport@allegion.com

▶ www.youtube.com/VonDuprinSafety/

Ordering

✉ allegion_orders@allegion.com

📠 eFax: 1.800.999.0328
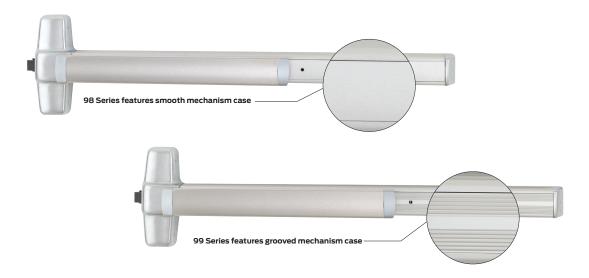
Engineered for value and performance

Von Duprin® empowers its customers to embrace change by providing flexible solutions that can be modified over time, protecting your investment well into the future. Von Duprin 98/99 Series push pad devices have a universal center case design that is unique to the industry and provides superior flexibility—from adding trim, switching handing or adding new retrofit options, you can configure numerous variations in the field without replacing your device.

Von Duprin's exit devices offer durable solutions that are proven in the field to perform under heavy use and abuse and backed by a team of experts experienced in door hardware application and code compliance. Allegion stands behind every Von Duprin product we make with unparalleled customer support thanks to our team of experts based in the U.S. that average more than 15 years of experience, so you are assured to receive expert advice.

98 Series features smooth mechanism case

99 Series features grooved mechanism case

Von Duprin exit devices are available in two external surface styles, designated 98 and 99 Series.

Latch bolt
Deadlocking latch bolt provides security and improved performance at standard device cost.

The Quiet One®
A fluid damper decelerates the push pad on its return stroke and eliminates most noise associated with exit device operations. Furnished on all 98/99™ Series exit devices.

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Nomenclature – how to order

Prefix	Device series/type		Trim/ rating		Suffix/ finish		Door width	Handing	Less bottom rod/cable	Trim options/ finish	Lever style	Accessories	Other information
1	2	3	4	5	6	7	8	9	10	11	12	13	14
QEL -	98 -	27 -	L -	F -	— -	626 -	3' -	RHR -	LBR -	996/626 -	299F/06 -	SNB -	HM

Detail

1 Prefixes

None	Standard
AX	Accessible device
CD	Cylinder dogging - panic only
CDSI	Cylinder dogging with security indicator
CI	Cylinder dogging indicator
CD-CX	Chexit cylinder dogging
CX	Chexit
DI	Dogging indicator
E	Electric locking mortise/lever
EL	Electric latch retraction
HDSI	Hex dogging with security indicator
HH	Hurrican device
LD	Less dogging
LX	Latch bolt monitoring
LX-LC	Latch bolt monitoring, low current
LX-RX	Latch bolt monitoring, request to exit
LX-RX-LC	Latch bolt monitoring, request to exit low current
PL	Pullman latch
PN	Pneumatic latch retraction
QEL	Quiet electric latch retraction
QM	Quiet mechanical
RX	Request to exit
RX2	Double request to exit
RX-AUX	Request to exit, auxiliary
RX-LC	Request to exit, low current
SD	Special dogging -panic only
SS	Signal switch
WP-RX	Waterproof request to exit
WS	Windstorm (FEMA rated) surface vertical rod device
XP	Heavy protection - rim

2 Device series

98	Series 98-smooth
99	Series 99-grooved

3 Device type

None	Rim device
27	Surface mounted vertical rod device
47	Concealed vertical rod device
47WDC	Concealed vertical rod wood door device
48	Concealed vertical rod device
49	Concealed vertical cable device
50WDC	Concealed vertical cable wood door device
52	Rim device with remote trim input (pool exit hardware)
57	Three-point latch device
75	Mortise lock device

4 Trim functions

EO	For AD or CO locks, order the panic as Exit Only (EO)
DT	Dummy trim
EO	Exit only
HL	Hospital pull trim
K	Knob
K-BE	Knob - blank escutcheon
K-DT	Knob, rigid - dummy trim
K-NL	Knob, rigid - night latch
L	Lever (classroom)
L-BE	Lever - blank escutcheon
L-DT	Lever, rigid - dummy trim
L-NL	Lever, rigid - night latch
NL	Night latch
NL-OP	Night latch cylinder assembly, optional pull
TL	Turn lever
TL-BE	Turn lever - blank escutcheon
TP	Thumbpiece
TP-BE	Thumbpiece - blank escutcheon

5 Rating

F	Fire exit hardware
Blank	Panic exit hardware

6 Suffix

-2	Double cylinder (rim and mortise only)
-2SI	Double cylinder with security indicator (rim only)
CON	Connectors
WH	Weep holes

7 Finish

605	Bright Brass
606	Satin Brass
612	Satin Bronze
619	Satin Nickel
622/711	Matte Black/Matte Black, Anodized
625	Bright Chrome
626	Satin Chrome
626AM	Satin Chrome, Antimicrobial
628	Aluminum, Anodized
630	Satin Stainless
630AM	Satin Stainless, Antimicrobial
643e	Aged Bronze
693	Black Paint
710	Dark Brown, Anodized

8 Door width / Door thickness

Door width		Door thickness	
3'	Standard default	$1\,^3/_4$"	Standard
4'		$2\,^1/_4$"	Optional
2'	Vertical only		

9 Handing

LHR	Left hand reverse
RHR	Right hand reverse

10 Less bottom rod/cable

LBR	Less bottom rod
LBL	Less bottom latch
LBR-AFL	LBR with fire pin
LBL-AFL	LBL with fire pin

11 Trim options/finish

See trim options/finish for each device type

12 Lever style

06	Standard default (optional levers available

13 Accessories

CYL	Cylinder
GBK	Glass bead kit
SEC	Security screws
SLM	SLM blocking
SNB	Sex bolts

14 Other information

Touchbar options

BRAILLE	Vision impaired touchpad, raised letter, and braille
PUSH	Touchbar trim embossed 'PUSH'
RSS	Red silk-screened lettered touchbar trim
KN	Knurled touchbar
SG	Safety glow

Miscellaneous

CE	CE labeled
LCP	Less cover plate
IOWDA	#IOWDA cover plate
RAT REL	Ratchet release assy

Door material

AL	Aluminum door
HM	Hollow metal
WD	Wood door
CP	Composite door
INS2	Insulclad - $^1/_2$"
INS4	Insulclad - $^1/_4$"
SC	Steelcraft, HH device only

Door application

D	Double egress
P	Pair of doors
S	Single door

Note: Not all options are listed. See the specific device type pages for complete options available.

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Mechanical options
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Device types

As the pioneer in the industry, Von Duprin continues to advance the industry through customer-centric innovation, which delivers solutions to the most challenging applications.
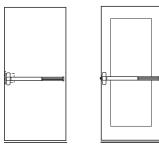
Backed by high quality standards, Von Duprin exit devices were among the first in the industry certified to ANSI/BHMA A156.3 (2014) Grade 1. Our exit devices are tested to the highest standards and proven in the field to perform under heavy use and abuse, giving you peace of mind both now and in the future.

The versatile design can be easily upgraded to connect to a larger electronic ecosystem, empowering you to adapt with flexible solutions. You can configure numerous variations in the field without replacing your device and protecting your investment. This makes upgrades easy and cost effective.
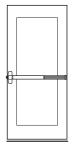
Popular applications

Single door applications
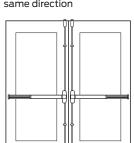
Single mortise lock device

Single rim device

Single three-point latch device
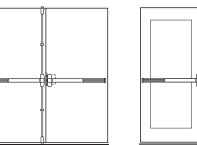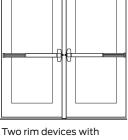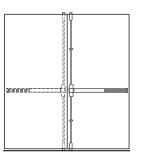
Double door applications
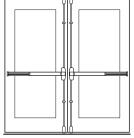
Mortise lock and surface mounted or concealed vertical cable/rod device combination—same direction
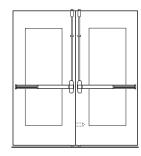
Two rim devices with mullion—same direction
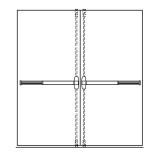
Two vertical rods—double egress Two surface/concealed rods or cables

Two surface mounted vertical rod devices—same direction*

Two fire exit hardware vertical cables/rods with auxilary fire latch-LBR option*
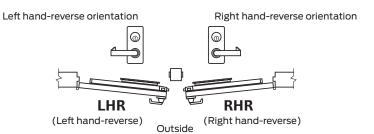
Two concealed vertical cables/rods*

* Do not use with overlapping astragals

Door handing

Left hand-reverse orientation

Right hand-reverse orientation

LHR
(Left hand-reverse)

RHR
(Right hand-reverse)

Outside

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98/99 Rim exit device

98 and 99 rim exit devices for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 2014, Grade 1. The 98 device has a smooth mechanism case and the 99 device has a grooved case. The rim device is non-handed except when the following device options are used: SD (special dogging), -2 (double cylinder) or SS (signal switch). Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs — consult template).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^{13}/_{16}$" (1011mm) 39 $^{11}/_{16}$" (1008mm) with mullion
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral — 3 13/16" (97mm) Pushbar depressed — 3 1/16" (78mm)
Latch bolt	Deadlocking, $^3/_4$" (19mm) throw
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) and 2 $^1/_4$" (57mm) thick metal or wood doors (Optional 425 SNB available, see page 64 for quantities)

Accessories

299 Strike
Ships standard,
optional strikes available.

Hex key dogging
Comes standard on
98/99 rim exit devices.

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
AX	Accessible device
GBK	Glass bead kit
PN	Pneumatic latch retraction
QM	Quiet mechanical
SNB	Sex bolts
SEC	Security screws
WH	Weep holes
XP	Extra protection

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes
299 – Dull black

98-F/99-F Rim exit device 🔥

98-F and 99-F Rim fire exit devices are certified to ANSI/BHMA A156.3 2014, Grade 1 and UL listed for fire exit hardware. See page 67 for detailed information on UL fire exit hardware label and door opening size information. The 98-F device has a smooth mechanism case and the 99-F device has a grooved case. The rim device is non-handed except when the following device options are used: -2 (double cylinder) or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/N; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^{13}/_{16}$" (1011mm) 39 $^{11}/_{16}$" (1008mm) with mullion
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm) Pushbar depressed – 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking, $^3/_4$" (19mm) throw
Finishes	605, 606, 612, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) and 2 $^1/_4$" (57mm) thick metal or wood doors; Optional 425 SNB available for metal doors; 425 and 825 SNB required on wood doors without SLM blocking (See page 64 for quantities)

Accessories

299F Strike
Ships standard, optional strikes available

499F Strike
With 9854/9954 mullion

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
AX	Accessible device
GBK	Glass bead kit
PN	Pneumatic latch retraction
QM	Quiet mechanical
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes
XP	Extra protection

Dogging option

No mechanical dogging;
EL and QEL options available

Strikes

299F – Dull black, 499F with mullions

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XP98/99 Rim exit device

XP98/99 Rim exit devices are designed for single and double doors with mullion that require increased security. The "smart" latch changes shape when subjected to external forces. This design enables the exit door to withstand an external attack and remain secure. Additionally, the patented latch bolt design provides greater, longer-lasting latch bolt to strike contact which is not easily affected by the twisting motion of a weakened frame, resulting in an opening that will remain strong. Devices are certified to ANSI/BHMA A156.3 2014, Grade 1 and UL listed for panic exit hardware. The rim device is non-handed except when the following device options are used: SD (special dogging) or -2 (double cylinder). Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4' to 3' (711mm to 914mm) door size 4' 2'10" to 4' (864mm to 1219mm) door size
Device centerline from finished floor	39 $^{13}/_{16}$" (1011mm) 39 $^{11}/_{16}$" (1008mm) with mullion
Center case	8" x 2 $^{3}/_{4}$" x 2 $^{3}/_{8}$" (203mm x 70mm x 60mm)
Mechanism case	2 $^{1}/_{4}$" x 2 $^{1}/_{4}$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm) Pushbar depressed – 3 $^{1}/_{16}$" (78mm)
Latch bolt	Deadlocking, $^{3}/_{4}$" (19mm) throw
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^{3}/_{4}$" (44mm) and 2 $^{1}/_{4}$" (57mm) thick metal or wood doors (Optional 425 SNB available, see page 64 for quantities)

Features and options

Electrified options

LX-LC	Latch bolt monitor switch, low current
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
AX	Accessible device
GBK	Glass bead kit
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

909 – Dull black

Accessories

909 Strike
Ships standard for single or double doors.

XP latch
Provides increased security with its two piece design.

Hex key dogging
Comes standard on 98/99 rim exit devices.

XP98-F/99-F Rim exit device 🔥

XP98/99 Rim fire exit devices are certified to ANSI/BHMA A156.3 2014, Grade 1 and UL listed for fire exit hardware. See page 67 for detailed information on UL fire exit hardware label and door opening size information. These are designed for single and double doors with 9954-XP mullion that require increased security. The "smart" latch changes shape when subjected to external forces. This design enables the exit door to withstand an external attack and remain secure. Additionally, the patented latch bolt design provides greater, longer-lasting latch bolt to strike contact which is not easily affected by the twisting motion of a weakened frame, resulting in an opening that will remain strong. The rim device is non-handed except when the following device option is used: -2 (double cylinder). Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^{13}/_{16}$" (1011mm) 39 $^{11}/_{16}$" (1008mm) with mullion
Center case	8" x 2 $^{3}/_{4}$" x 2 $^{3}/_{8}$" (203mm x 70mm x 60mm)
Mechanism case	2 $^{1}/_{4}$" x 2 $^{1}/_{4}$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97 mm) Pushbar depressed – 3 $^{1}/_{16}$" (78 mm)
Latch bolt	Deadlocking, $^{3}/_{4}$" (19mm) throw
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^{3}/_{4}$" (44mm) and 2 $^{1}/_{4}$" (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 and 825 SNB required on wood doors without SLM blocking (See page 64 for quantities)

Features and options

Electrified options

LX-LC	Latch bolt monitor switch, low current
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
AX	Accessible device
GBK	Glass bead kit
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes

Dogging option

No mechanical dogging;
EL and QEL options available

Strikes

909 – Dull black, fire rated single doors
954– Dull black, fire rated double doors

Accessories

909 Strike
Ships standard
for single doors.

XP latch
Provides increased
security with its
two piece design.

954 Strike
For fire rated
double doors and
9954XP mullion.

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9875/9975 Mortise lock device

9875/9975 Mortise lock device for all types of single or double doors, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 2014, Grade 1. Fits stock hollow metal doors with 86 cutout and door stiles as narrow as 4 $^3/_4$" (121mm). The 9875 device has a smooth mechanism case and the 9975 device has a grooved case. The mortise lock device is non-handed except when the following device options are used: -2 (double cylinder) or SS (signal switch).

The 7500 Mortise lock is equipped with a $^3/_4$" (19mm) anti-friction latch bolt which is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel.

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^{13}/_{16}$" (1011mm) 39 $^{11}/_{16}$" (1008mm) with mullion
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm) Pushbar depressed – 3 $^1/_{16}$" (78mm)
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) and 2 $^1/_4$" (57mm) thick metal or wood doors. (Optional 425 SNB available, see page 64 for quantities)

Accessories

7500 Mortise lock

575 Strike

Hex key dogging
Comes standard on 9875/9975 mortise lock exit devices.

Features and options

Electrified options

RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim/mortise lock
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
GBK	Glass bead kit
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature
Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes
575 – Dull black

9875-F/9975-F Mortise lock fire exit device

9875-F/9975-F Fire exit mortise lock devices are certified to ANSI/BHMA A156.3 2014, Grade 1 and UL listed for fire exit hardware. See page 67 for detailed information on UL listed fire exit hardware label and door opening size information. Fits door stiles as narrow as 4 $^3/_4$" (121mm). The 9875-F device has a smooth mechanism case and the 9975-F device has a grooved case. The mortise lock device is non-handed except when the following device options are used: -2 (double cylinder) or SS (signal switch) devices.

The 7500 Mortise lock is equipped with $^3/_4$" (19mm) anti-friction latch bolt which is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel.

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw
Device lengths	3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^{13}/_{16}$" (1011mm) 39 $^{11}/_{16}$" (1008mm) with mullion
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm) Pushbar depressed – 3 $^1/_{16}$" (78mm)
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) and 2 $^1/_4$" (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 and 825 SNB required on wood doors without SLM blocking. (See page 64 for quantities)

Features and options

Electrified options

RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim/mortise lock
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
GBK	Glass bead kit
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes

Dogging option

No mechanical dogging;
EL and QEL options available

Strikes

575 – Dull black

Accessories

7500 Mortise lock

575 Strike

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9827/9927 Surface mounted vertical rod device

9827/9927 Surface mounted vertical rod device for all types of single or double doors, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 2014, Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. The 9827 device has a smooth mechanism case and the 9927 device has a grooved case. The surface vertical rod device is non-handed except when the following device options are used: SD (special dogging), SS (signal switch) or WS (tornado/hurricane). Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors.

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size
	3' 2'4' to 3' (711mm to 914mm) Door size
	4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^5/_8$" (1006 mm)
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm)
	Pushbar depressed – 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking anti-friction top and bottom bolt, $^5/_8$" (16mm) throw
Door undercut	$^1/_4$" (7mm) recommended
Top and bottom latch case	4 $^1/_2$" x 2 $^1/_8$" x 1 $^1/_2$" (114mm x 54mm x 38mm)
Vertical rods	$^1/_2$" square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 $^{15}/_{16}$" (887mm); Bottom rod length: 31 $^1/_2$" (794mm). Extension rods available in 3' (914mm) for doors over 7'; One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch. (Optional 425 SNB available)

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

AX	Accessible device
GBK	Glass bead kit
LBR	Less bottom rod
PL	Pullman latch
PN	Pneumatic latch retraction
QM	Quiet mechanical
SNB	Sex bolts
SEC	Security screws
WH	Weep holes
WS	Tornado and hurricane tested

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top – 299 – Dull black
Bottom – 248L4 and 304L – Unfinished

Accessories

299 Top strike

Top latch

304L Bottom strike

248L4 Bottom strike For use with flat threshold

Bottom latch

Hex key dogging Comes standard on 9827/9927 devices.

9827-F/9927-F Surface mounted vertical rod fire device 🔥

9827-F/9927-F Fire exit surface mounted vertical rod device are certified to ANSI/BHMA A156.3 2014, Grade 1 and UL listed for fire exit hardware. See page 67 for detailed information on UL fire exit hardware label and door opening size information. The 9827-F device has a smooth mechanism case and the 9927-F device has a grooved case. The surface vertical rod device is non-handed except when the following device options are used: SS (signal switch), and WS (tornado/hurricane). Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors. Rod and latch guards can be used on hollow metal or tin clad composite fire doors.

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size
	3' 2'4" to 3' (711mm to 914 mm) Door size
	4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 $^5/_8$" (1006 mm)
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97 mm)
	Pushbar depressed – 3 $^1/_{16}$" (78 mm)
Latch bolt	Deadlocking anti-friction top and bottom bolt, $^5/_8$" (16mm) throw
Door undercut	$^1/_4$" (7mm) recommended
Top and bottom latch case	4 $^1/_2$" x 2 $^1/_8$" x 1 $^1/_2$" (114mm x 54mm x 38mm)
Vertical rods	$^1/_2$" square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 $^{15}/_{16}$" (887mm); Bottom rod length: 31 $^1/_2$" (794mm). Extension rods available in 3' (914mm) for doors over 7' One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch (Optional 425 SNB available)

Accessories

299 Top strike

499F Top strike LBR

Top latch

Bottom latch

304L Bottom strike

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

AX	Accessible device (LBR only)
GBK	Glass bead kit
LBR	Less bottom rod
PL	Pullman latch
PN	Pneumatic latch retraction
QM	Quiet mechanical
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes
WS	Tornado and hurricane tested

Dogging option

No mechanical dogging;
EL and QEL options available

Strikes

Top – 299F –(499F LBR) Dull black
Bottom – 304L – Unfinished

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9857/9957 Three-point latching device

9857/9957 Three-point latching device for all types of single or double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. The 9857 device has a smooth mechanism case and the 9957 device has a grooved case. The three-point latching device is non-handed except when the following device options are used: SD (special dogging), SS (signal switch), or WS (windstorm). Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors.

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device.
Device lengths	3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^{13}/_{16}$" (1011mm)
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm) Pushbar depressed – 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking anti-friction top and bottom bolt, 5/8" (16mm) throw; Deadlocking rim bolt, $^3/_4$" (19mm) throw
Door undercut	$^1/_4$" (7mm) recommended
Top and bottom latch case	4 $^1/_2$" x 2 $^1/_8$" x 1 $^1/_2$" (114mm x 54mm x 38mm)
Vertical rods	$^1/_2$" square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 $1^5/_{16}$" (887mm); Bottom rod length: 31 $^1/_2$" (794mm). Extension rods available in 3' (914mm) for doors over 7'. One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors.
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch (Optional 425 SNB available)

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

GBK	Glass bead kit
PL	Pullman latch
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
WH	Weep holes
WS	Tornado and hurricane tested

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top and middle – 299 – Dull black
Bottom – 248L4 and 304L – Unfinished

Accessories

299 Top and middle strike

Top latch

304L Bottom strike

248L4 Bottom strike
For use with flat threshold

Bottom latch

Hex key dogging
Comes standard on 9857/9957 three point latching devices.

9857-F/9957-F Three-point latching fire exit device 🔥

9857-F/9957-F Fire exit three-point latching device are UL listed for fire exit hardware. See page 67 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 9857-F device has a smooth mechanism case and the 9957-F device has a grooved case. The three-point latch device is non-handed except when the following device option is used: SS (signal switch) or WS (windstorm). Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors.

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864 mm to 1219mm) Door size
Device centerline from finished floor	39 $^{13}/_{16}$" (1011mm)
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm) Pushbar depressed – 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking anti-friction top and bottom bolt, $^5/_8$" (16mm) throw; Deadlocking rim bolt, $^3/_4$" (19mm) throw
Door undercut	$^1/_4$" (7mm) recommended
Top and bottom Latch case	4 $^1/_2$" x 2 $^1/_8$" x 1 $^1/_2$" (114mm x 54mm x 38mm)
Vertical rods	$^1/_2$" square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 $^{15}/_{16}$" (887mm); Bottom rod length: 31 $^1/_2$" (794mm). Extension rods available 3' (914mm) for doors over 7'. One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors.
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) and 2 $^1/_4$" (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch. (Optional 425 SNB available for metal doors; 825 SNB required on wood doors without SLM blocking)

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

GBK	Glass bead kit
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes
WS	Tornado and hurricane tested

Dogging option

No mechanical dogging;
EL and QEL options available

Strikes

Top and middle – 299F – Dull black
Bottom – 304L – Unfinished

Accessories

299F Top and middle strike

499F Rim strike
For mullion applications

Top latch

Bottom latch

304L Bottom strike

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9847/9947 Concealed vertical rod device

9847/9947 Concealed vertical rod device for use on single or double metal doors, UL listed for panic exit hardware. These are certified to ANSI/BHMA A156.3 2014, Grade 1. The 9847 device has a smooth mechanism case and the 9947 device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch).
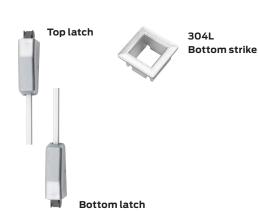
Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device.
Device lengths	2' 2' (610mm) Door size
	3' 2'4' to 3' (711mm to 914mm) Door size
	4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^5/_8$" (1006 mm) Standard Adjustable from 35 $^5/_8$" (905mm) to 49 $^5/_8$" (1260mm)
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm)
	Pushbar depressed – 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking top and bottom bolt, $^5/_8$" (16mm) throw
Door undercut	$^1/_4$" (7mm) recommended
Top and bottom latch case	4 $^1/_2$" x 2 $^1/_8$" x 1 $^1/_2$" (114mm x 54mm x 38mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 $^5/_8$" (905mm) to 49 $^5/_8$" (1260mm). Extension rod kits available for doors over 8'4" (2533mm).
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick metal doors (Optional 425 SNB available)

Accessories

338
Top strike

Top latch

Bottom latch

385A
Bottom strike

Hex key dogging
Comes standard on 9847/9947 concealed vertical rod devices

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

GBK	Glass bead kit
LBR	Less bottom rod
PL	Pullman latch
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top – 338 – Unfinished
Bottom – 385A – Unfinished

9847-F/9947-F Concealed vertical rod fire exit device 🔥

9847-F/9947-F Fire exit concealed vertical rod device are certified to ANSI/BHMA A156.3 2014, Grade 1 and UL listed for fire exit hardware. See page 67 for detailed information on UL fire exit hardware label and door opening size information. The 9847-F device has a smooth mechanism case and the 9947-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device option is used: SS (signal switch) devices.

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size 3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^5/_8$" (1006 mm) Standard Adjustable from 35 $^5/_8$" (905mm) to 49 $^5/_8$" (1260mm)
Center case	8" x 2 $^3/_4$" x 2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm) Pushbar depressed – 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking top and bottom bolt, $^5/_8$" (16mm) throw
Door undercut	$^1/_4$" (7mm) recommended
Top and bottom latch case	3 $^3/_4$" x 1 $^1/_2$" x 1" (95mm x 38mm x 25mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 $^5/_8$" (905mm) to 49 $^5/_8$" (1260mm) Extension rod kits available for doors over 8'4" (2533mm)
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick metal doors (Optional 425 SNB available)

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

GBK	Glass bead kit
LBR	Less bottom rod
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes

Dogging option

No mechanical dogging;
EL and QEL options available

Strikes

Top – 338 – Unfinished
Bottom – 385A – Unfinished

Accessories

338
Top strike

Top latch

Bottom latch

385A
Bottom strike

Device types

9848/9948 Concealed vertical rod device

9848/9948 Concealed vertical rod device for use on single or double metal doors, UL listed for panic exit hardware. These are certified to ANSI/BHMA A156.3 2014, Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. The 9848 device has a smooth mechanism case and the 9948 device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^5/_8$" (1006 mm) Standard Adjustable from 35 $^5/_8$" (905mm) to 49 $^5/_8$" (1260mm)
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97 mm) Pushbar depressed – 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking top bolt, $^5/_8$" (16mm) throw Deadlocking bottom bolt, 1 $^1/_2$" (38mm) throw
Door undercut	$^3/_4$" (19mm) maximum, more than $^1/_4$" minimum
Top and bottom latch case	4 $^1/_4$" x 1 $^1/_2$" x 1 $^1/_8$" (107mm x 38mm x 28mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 $^5/_8$" (905 mm) to 49 $^5/_8$" (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick metal doors (Optional 425 SNB available)

Features and options

Electrified options
LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options
GBK	Glass bead kit
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature
Hex key dogging standard

Dogging options
CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes
Top – 338 – Unfinished
Bottom – 385A – Unfinished

Accessories

338
Top strike

Top latch

Bottom latch

385A
Bottom strike

Hex key dogging
Comes standard on 9847/9947 concealed vertical rod devices

9848-F/9948-F Concealed vertical rod fire exit device 🔥

9848-F/9948-F Concealed vertical rod device are certified to ANSI/BHMA A156.3 2014, Grade 1 and UL listed for fire exit hardware. See page 67 for detailed information on UL listed fire exit hardware label and door opening size information. The 9848-F device has a smooth mechanism case and the 9948-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device option is used: SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610mm) Door size 3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^5/_8$" (1006mm) Standard Adjustable from 35 $^5/_8$" (905mm) to 49 $^5/_8$" (1260mm)
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm) Pushbar depressed – 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking top bolt, $^5/_8$" (16mm) throw Deadlocking bottom bolt, 1 $^1/_2$" (38mm) throw
Door undercut	$^3/_4$" (19mm) maximum, more than $^1/_4$" minimum
Top and bottom Latch case	4 $^1/_4$" x 1 $^1/_2$" x 1 $^1/_8$" (107mm x 38mm x 28mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 $^5/_8$" (905mm) to 49 $^5/_8$" (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick metal doors. (Optional 425 SNB available)

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

GBK	Glass bead kit
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes

Dogging option

No mechanical dogging;
EL and QEL options available

Strikes
Top – 338 – Unfinished
Bottom – 385A – Unfinished

Accessories

338
Top strike

Top latch

Bottom latch

385A
Bottom strike

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9849/9949 Concealed vertical cable device

9849/9949 Concealed vertical cable device for use on single or double metal doors, UL listed for panic exit hardware. These are certified to ANSI/BHMA A156.3 2014, Grade 1. The 9849 device has a smooth mechanism case and the 9949 device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device.
Device lengths	2' 2' (610 mm) Door size 3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^5/_8$" (1006 mm)
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm) Pushbar depressed – 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking top and bottom bolt, $^1/_2$" (13mm) throw
Door undercut	$^3/_4$" (19mm) maximum (24231516 spacer block kit needed for $^3/_4$" undercut)
Top and bottom latch case	5 $^{13}/_{16}$" x 1 $^1/_4$" x 1 $^7/_{16}$" (147mm x 32mm x 37mm)
Vertical cable	$^7/_{32}$" (6mm) Diameter stainless steel cables
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick metal doors (Optional 425 SNB available)

Features and options

Electrified options

LX*	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

AX	Accessible device
GBK	Glass bead kit
LBL	Less bottom latch
PN	Pneumatic latch retraction
SG	Safety glow
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging option

No mechanical dogging;
EL and QEL options available

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top – 249 – Unfinished
Bottom – 349 – Unfinished

*For 98/9949 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latch bolt condition.

9849/9949 Concealed vertical cable device

Accessories

249 Top strike

349 Bottom strike

338 Filler plate (retrofit bracket)

Top latch

Center slide

Bottom latch

Cable detail

Hex key dogging
Comes standard
on 9849/9949
concealed vertical
cable devices

Door opening height
is distance from bottom
of frame header
to finished floor.

See table on left for standard offering.

Nominal door opening height		Top cable part number	Bottom cable part number
72" – 82"	6'0" – 6'10"	47250398	47250403
*82" – 96"	*6'10" – 8'	47250175	47250178
>96" – 110"	>8'0" – 9' 2"	47250176	47250179
>110" – 120"	>9'2" – 10'	47250177	47250180

*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'0" and greater than 10', contact our Customer Care department to discuss your specific application needs.

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9849-F/9949-F Concealed vertical cable fire exit device 🔥

98/9949-F Concealed vertical cable devices are certified to ANSI/BHMA A156.3 2014, Grade 1 and UL listed for fire exit hardware. See page 67 for detailed information on UL listed fire exit hardware label and door opening size information. The 9849 device has a smooth mechanism case and the 9949 device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size
	3' 2'4' to 3' (711mm to 914mm) Door size
	4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^5/_8$" (1006 mm) Standard
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm)
	Pushbar depressed – 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking anti-friction top and bottom bolt, $^5/_8$" (16mm) throw
Door undercut	$^3/_4$" (19mm) maximum (24231516 spacer block kit needed for $^3/_4$" undercut)
Top and bottom Latch case	5 $^{13}/_{16}$" x 1 $^1/_4$" x 1 $^7/_{16}$" (147mm x 32mm x 37mm)
Vertical cable	$^7/_{32}$" (6mm) Diameter stainless steel cables
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick metal doors (Optional 425 SNB available)

Features and options

Electrified options

LX*	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

AX	Accessible device
GBK	Glass bead kit
LBL	Less bottom latch
PN	Pneumatic latch retraction
SG	Safety glow
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top – 249 – Unfinished

Bottom – 349 – Unfinished

*For 98/9949 devices, LX switch monitors trim input or electrified dogging of EL/QEL devices. LX switch does not monitor latch bolt condition.

9849-F/9949-F Concealed vertical cable fire exit device 🔥

Accessories

249 Top strike

349 Bottom strike

338 Filler plate (retrofit bracket)

Top latch

Center slide

Bottom latch

Cable detail

Hex key dogging
Comes standard on 9849/9949 concealed vertical cable devices

Door opening height
is distance from bottom of frame header to finished floor.

See table on left for standard offering.

Nominal door opening height		Top cable part number	Bottom cable part number
72" - 82"	6'0" - 6'10"	47250398	47250403
*82" - 96"	***6'10" - 8'**	**47250175**	**47250178**
>96" - 110"	>8'0" - 9' 2"	47250176	47250179
>110" - 120"	>9'2" - 10'	47250177	47250180

*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'0" and greater than 10', contact our Customer Care department to discuss your specific application needs.

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9847WDC/9947WDC Wood door concealed vertical rod device

9847WDC/9947WDC Concealed vertical rod device for use on single or double wood doors, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 2014, Grade 1. The 9847WDC device has a smooth mechanism case and the 9947WDC device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size 3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^5/_8$" (1006mm) Standard Adjustable from 35 $^5/_8$" (905mm) to 49 $^5/_8$" (1260mm)
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm) Pushbar depressed – 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking top bolt, $^5/_8$" (16mm) throw
Door undercut	$^1/_4$" (7mm) maximum
Top and bottom Latch case	3 $^3/_4$" x 1 $^1/_2$" x 1" (95mm x 38mm x 25mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 $^5/_8$" (905mm) to 49 $^5/_8$" (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).
Scalp plate[1]	Device is furnished standard with an 8" (203mm) long scalp plate for easy access to rods
Finishes	605, 606, 612, 625, 626, 628 and 710 (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick wood doors. (425 SNB required on wood doors without SLM blocking)

1. Do not use on pair of doors with 9875/9975.

Accessories

338 Top strike

Top latch

Bottom latch

385A Bottom strike

283 Top strike
For use with wood frames

Hex key dogging
Comes standard on 9847/9947 wood door concealed vertical rod devices

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

GBK	Glass bead kit
LBR	Less bottom rod
PL	Pullman latch
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes
Top – **338** – Unfinished
Bottom – **358A** – Unfinished

9847WDC-F/9947WDC-F Wood door concealed vertical rod fire device 🔥

9847WDC-F/9947WDC-F Fire exit concealed vertical rod devices are certified to ANSI/BHMA A156.3 2014, Grade 1 and UL listed for fire exit hardware. See page 67 for detailed information on UL listed fire exit hardware label and door opening size information. The 9847WDC-F device has a smooth mechanism case and the 9947WDC-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610 mm) Door size 3' 2'4' to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 $^5/_8$" (1006 mm) Standard
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97 mm) Pushbar depressed – 3 $^1/_{16}$" (78 mm)
Latch bolt	Deadlocking top and bottom bolt, $^5/_8$" (16mm) throw
Door undercut	$^1/_4$" (7mm) maximum
Top and bottom Latch case	3 $^3/_4$" x 1 $^1/_2$" x 1" (95mm x 38mm x 25mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 $^5/_8$" (905 mm) to 49 $^5/_8$" (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).
Scalp plate[1]	Device is furnished standard with an 8" (203mm) long scalp plate for easy access to rods
Finishes	605, 606, 612, 625, 626, 628, 710 (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick wood doors. (425 SNB required on wood doors without SLM blocking)

1. Do not use on pair of doors with 9875-F/9975-F.

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

GBK	Glass bead kit
LBR	Less bottom rod
PL	Pullman latch
PN	Pneumatic latch retraction
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging option

No mechanical dogging;
EL and QEL options available

Strikes

Top – 338 – Unfinished
Bottom – 385A – Unfinished

Accessories

338
Top strike

Top latch

Bottom latch

385A
Bottom strike

9850WDC/9950WDC Wood door concealed vertical cable device

9850WDC/9950WDC Concealed vertical cable device for use on single or double wood doors, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 2014, Grade 1. The 9850WDC device has a smooth mechanism case and the 9950WDC device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	2' 2' (610mm) Door size 3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to1219 mm) Door size
Device centerline from finished floor	39 $^5/_8$" (1006mm) Standard
Center case	8" x 2 $^3/_4$" x 2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral — 3 $^{13}/_{16}$" (97mm) Pushbar depressed — 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking top and bottom bolt. 1 $^1/_2$" (38mm) throw
Door undercut	$^3/_4$" (19mm) maximum
Top and bottom Latch case	5 $^{13}/_{16}$" x 1 $^1/_4$" x 1 $^7/_{16}$" (147mm x 32mm x 37mm)
Vertical cables	$^7/_{32}$" (6mm) Diameter stainless steel cables
Scalp plate[1]	Device is furnished standard with a 15" (381mm) long scalp plate for easy access to cables
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick wood doors.

1. Do not use on pair of doors with 9975 devices.

Features and options

Electrified options

LX*	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
RX996L	Trim monitor switch
RX-LC	Request to exit low current
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

AX	Accessible device
GBK	Glass bead kit
LBL	Less bottom latch
PN	Pneumatic latch retraction
SG	Safety glow
SNB	Sex bolts
SEC	Security screws
WH	Weep holes

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

Top — 150 — Unfinished
Bottom — 450 — Unfinished

*For 98/9950WDC devices, LX switch monitors trim input or electrified dogging of EL/QEL devices. LX switch does not monitor latch bolt condition.

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9850WDC/9950WDC Wood door concealed vertical cable device

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150 Top strike

Top latch
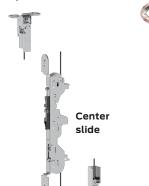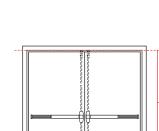
Hex key dogging
Comes standard
on 9850/9950
concealed vertical
cable devices

450 Bottom strike

Center slide

338 Filler plate
(retrofit bracket)

Bottom latch

Door opening height
is measured from finished floor
to frame rabbet on door side.

See table for standard offering.

Standard door opening height	
Feet	Cable tolerance
6'8" - 7'	72" - 84"
7'1" - 8'	85" - 96"
8'1" - 9'	97" - 108"
9'1" - 10'	109" - 120"

Note: Non-standard sizes available with extended lead time.
Consult Customer Care for more information 1-877-671-7011.

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9850WDC-F/9950WDC-F
Wood door concealed vertical cable fire device 🔥

9850WDC-F/9950WDC-F Fire exit concealed vertical cable devices are certified to ANSI/BHMA A156.3 2014, Grade 1 and UL listed for fire exit hardware. See page 67 for detailed information on UL listed fire exit hardware label and door opening size information. The 9850WDC-F device has a smooth mechanism case and the 9950WDC-F device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SS (signal switch).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device.
Device lengths	2' 2' (610mm) Door size 3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 $^5/_8$" (1006mm) Standard
Center case	8" x 2 $^3/_4$" x2 $^3/_8$" (203mm x 70mm x 60mm)
Mechanism case	2 $^1/_4$" x 2 $^1/_4$" (57mm x 57mm)
Projection	Pushbar neutral – 3 $^{13}/_{16}$" (97mm) Pushbar depressed – 3 $^1/_{16}$" (78mm)
Latch bolt	Deadlocking top and bottom bolt, 1 $^1/_2$" (38mm) throw
Door undercut	$^3/_4$" (19mm) maximum
Top and bottom Latch case	5 $^{13}/_{16}$" x 1 $^1/_4$" x 1 $^7/_{16}$" (147mm x 32mm x 37mm)
Vertical cables	$^7/_{32}$" (6mm) Diameter stainless steel cables
Scalp plate[1]	Device is furnished standard with a 15" (381mm) long scalp plate for easy access to cables
Finishes	US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM, US28, 313, 315 and 643e (US15 and US32D available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 $^3/_4$" (44mm) to 2 $^1/_4$" (57mm) thick wood doors

1. Do not use on pair of doors with 9975 devices.

Accessories

150 Top strike   **450 Bottom strike**   **Top latch**   **Bottom latch**

Center slide
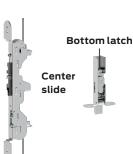
338 Filler plate (retrofit bracket**)**

Features and options

Electrified options

LX*	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
RX996L	Trim monitor switch
RX-LC	Request to exit low current
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

AX	Accessible device
GBK	Glass bead kit
LBL	Less bottom latch
PN	Pneumatic latch retraction
SG	Safety glow
SNB	Sex bolts
SEC	Security screws
SLM	Special laminate material blocking
WH	Weep holes

Dogging option
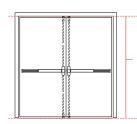
No mechanical dogging;
EL and QEL options available

Strikes

Top – 150 – Unfinished
Bottom – 450 – Unfinished

*For 98/9950 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latch bolt condition.

Door opening height
is measured from finished floor to frame rabbet on door side.

See table for standard offering.

Standard door opening height

Feet	Cable tolerance
6'8" - 7'	72" - 84"
7'1" - 8'	85" - 96"
8'1" - 9'	97" - 108"
9'1" – 10'	109" - 120"

Note: Non-standard sizes available with extended lead time.
Consult Customer Care for more information 1-877-671-7011.

98/9952 Rim with remote trim input (pool exit hardware)

Openings beyond the interior often have additional functional requirements that go beyond the limits of standard door hardware. Von Duprin offers the safety of panic hardware for pool enclosures, tested to withstand corrosive cleaners typically used in outdoor pool environments. Both the device and trim are built with weather resistant components that can withstand the harsh conditions of various climates. Understanding that hardware solutions need to be flexible and configurable, the Von Duprin 98/9952 with 252L trim is designed to meet the very specific needs of outdoor pool areas.

Engineered to be installed easily, the 98/9952 device can be mounted within the required range by the model codes and accessibility standards, while the 252L trim is mounted at least 54" from finished floor or concrete. Gate poles must have at least 3" stile width by 2" depth for ideal installation.

Compliance
- Listed with UL for panic exit hardware (UL 305)
- Certified to ANSI/BHMA A156.3 2014, Grade 1
- Meets International Building Code for pool enclosures
- Compliant with the 2010 ADA Standards for Accessible Design

Features and benefits
- Patent-pending design built to meet code requirements for pool enclosures
- Weather-resistant components ideal for outdoor applications
- Easy installation and maintenance
- Simple to operate
- UL listed for panic exit hardware (UL305)

Specifications

Device functions	EO, L, L-BE
Dogging	LD – Less dogging
Device lengths	3' , 4'
Center case	8" x 2 $\frac{3}{4}$" x 2 $\frac{3}{8}$" (203mm x 70mm x 60mm)
Mechanism case	2 $\frac{1}{4}$" x 2 $\frac{1}{4}$" (57mm x 57mm)
Latch bolt	Deadlocking $\frac{3}{4}$" (19mm) throw
Trims	252-L, 252-LBE
Strike	699 roller strike
Finishes	626, 710
Options	WH – Weep holes

Accessories

699 Roller strike

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Trim functions

Von Duprin protects your investment by empowering you to adapt with flexible solutions and modular options. The 98/99 Series features numerous trim options to serve your different needs. Designed with flexibility in mind, our solutions offer ease of adding new options as they are developed.

With Von Duprin, you can be confident that as the needs of your facility change, our products can be upgraded easily to meet your needs, especially as the mechanical and electronic technology converge. Von Duprin's versatile design enables you to add functionality to existing devices in a cost-effective way, protecting your investment well into the future.

A variety of device trim lock type functions such as key lock and unlock, latch bolt retraction with key and no cylinder designs for an "always operable" function are available in levers, knobs, latches, thumbpiece and thumbturn designs.

EO   No outside trim
- Exit only

DT   Dummy trim
- Pull when dogged (not recommended for fire device)

NL   Night latch
- Key retracts latchbolt
- Rim and 1 ¼" mortise cylinder

NLOP Night latch
- Key retracts latchbolt, pull required

TP   Thumbpiece
- Key locks and unlocks
- Rim and 1 ¼" mortise cylinder

TPBE Thumbpiece, blank escutcheon
- Blank escutcheon always operable (no cylinder, use with DT trim)

L   Lever

K   Knob
- Key locks and unlocks
- Rim and 1 ¼" mortise cylinder
- Handed, reversible lever
- Electrified lever operation available

LDT   Lever, dummy trim

KDT   Knob, dummy trim
- Pull when dogged

LNL   Lever, night latch

KNL   Knob, night latch
- Key retracts latchbolt
- Rim and 1 ¼" mortise cylinder
- Handed, reversible lever

LBE[1]   Lever, blank escutcheon

KBE   Knob, blank escutcheon
- Always operable (no cylinder)

TL   Turn lever
- Key locks and unlocks (use with DT trim)
- 1 ¼" mortise cylinder

TLBE   Turn lever, blank escutcheon
- Blank escutcheon always operable (no cylinder, use with DT trim)

TLOP Turn lever, optional pull

HL   Hospital latch
- Key locks and unlocks
- 1 ¼" mortise cylinder

No trim

Trim description

	EO	110NL-MD 110NL-WD
Nomenclature	EO	110NL-MD 110NL-WD
Trim function	No outside trim	Night latch optional pull
Function description	Exit only	Key retracts latch bolt, optional pull required
ANSI function	01	03

Device compatibility

98/99/ XP98/XP99 Rim	■	■
98/99/ XP98/XP99 Rim-F	■	■
98/9927/27-F	■	■
98/9947/47-F	■	■
98/9947WDC/WDC-F	■	■
98/9948/48-F	■	■
98/9949/49-F	■	■
98/9950WDC/50WDC-F	■	■
98/9952†	■	
98/9957/57-F	■	■
98/9975/75-F	■	

Dimensions

Escutcheon plate size	—	—
Pull center to center	—	—
Projection	—	—

Handing

	—	—

Cylinder type

Rim or vertical device	—	Rim
Mortise lock device	—	—

† Default trim is 252L /L-BE. Must be ordered as EO when paired with
other trims (ordered separately).

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996 trim

Trim description

Nomenclature	996EO	996L*	996L-NL*	996L-BE*	996L-DT
Trim function	Exit only plate	Lever	Lever-night latch	Lever-blank escutcheon	Lever-dummy trim
Function description	Exit only plate	Key locks and unlocks	Key retracts latch bolt	Always operable, no cylinder	Pull when dogged
ANSI function	01	08	03	14	02

Device compatibility

	996EO	996L*	996L-NL*	996L-BE*	996L-DT
98/99 Rim/Rim-F	■	■	■	■	■
XP98/XP99 Rim/Rim-F	■	■	■	■	■
98/9927/27-F	■	■	■	■	■
98/9947/47-F	■	■	■	■	■
98/9947WDC/WDC-F	■	■	■	■	■
98/9948/48-F	■	■	■	■	■
98/9949/49-F	■	■	■	■	■
98/9950WDC/50WDC-F	■	■	■	■	■
98/9952†	†	†	†	†	†
98/9957/57-F	■	■	■	■	■
98/9975/75-F	■	■	■	■	■

Dimensions

	996EO	996L*	996L-NL*	996L-BE*	996L-DT
Escutcheon plate size	2 3/4" x 10 3/4" x 27/32" (70 x 273 x 21mm)				
Pull center to center	—	—	—	—	—
Projection	—	2 7/8" (73mm)	2 7/8" (73mm)	2 7/8" (73mm)	2 7/8" (73mm)

Handing

	996EO	996L*	996L-NL*	996L-BE*	996L-DT
	—	Handed/reversible	Handed/reversible	Handed/reversible	Handed/reversible

Cylinder type

	996EO	996L*	996L-NL*	996L-BE*	996L-DT
Rim or vertical device	—	Rim	Rim	—	—
Mortise lock device	—	1 1/4" mortise	1 1/4" mortise	—	—

* Specify R/V if used for rim and vertical devices, M for mortise device. Example, 996L-R/V or 996L-M.

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

996 trim

Trim description

Nomenclature	996K*	996K-NL*	996K-BE*	996K-DT
Trim function	Knob	Knob-night latch	Knob- blank escutcheon	Knob - dummy trim
Function description	Key locks and unlocks	Key retracts latch bolt	Always operable, no cylinder	Pull when dogged
ANSI function	**08**	**03**	**14**	**02**

Device compatibility				
98/99/ XP98/XP99 Rim	■	■	■	■
98/99/ XP98/XP99 Rim-F	■	■	■	■
98/9927/27-F	■	■	■	■
98/9947/47-F	■	■	■	■
98/9947WDC/WDC-F	■	■	■	■
98/9948/48-F	■	■	■	■
98/9949/49-F	■	■	■	■
98/9950WDC/50WDC-F	■	■	■	■
98/9952†				
98/9957/57-F	■	■	■	■
98/9975/75-F	■	■	■	■

Dimensions

Escutcheon plate size	2 ³/₄" x 10 ³/₄" x ²⁷/₃₂" (70 x 273 x 21mm)			
Pull center to center	—	—	—	—
Projection	3 ¹/₄" (83mm)	3 ¹/₄" (83mm)	3 ¹/₄" (83mm)	3 ¹/₄" (83mm)

Handing

	—	—	—	—

Cylinder type

Rim or vertical device	Rim	Rim	—	—
Mortise lock device	1 ¹/₄" mortise	1 ¹/₄" mortise	—	—

* Specify R/V if used for rim and vertical devices, M for mortise device. Example, 996K-R/V or 996K-M.

† Default trim is 252L /L–BE. Must be ordered as EO when paired with other trims (ordered separately).

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990 trim

Trim description

Nomenclature	990EO	990DT	990NL*	990TP*	990TP-BE*
Trim function	Exit only plate	Dummy trim	Night latch	Thumbpiece	Thumbpiece blank escutcheon
Function description	Exit only plate	Pull when dogged	Key retracts latch bolt	Key locks and unlocks	Always operable, no cylinder
ANSI function	01	02	03	05	15

Device compatibility

98/99 Rim/Rim-F	■	■	■	■	■
XP98/XP99 Rim/Rim-F	■	■	■	■	■
98/9927/27-F	■	■	■	■	■
98/9947/47-F	■	■	■	■	■
98/9947WDC/WDC-F	■	■	■	■	■
98/9948/48-F	■	■	■	■	■
98/9949/49-F	■	■	■	■	■
98/9950WDC/50WDC-F	■	■	■	■	■
98/9952†					
98/9957/57-F	■	■	■	■	■
98/9975/75-F	■	■	■	■	■

Dimensions

Escutcheon plate size	3" x 14 3/16" x 3/32" (76 x 360 x 2mm)				
Pull center to center	—	5 1/2" (140mm)	5 1/2" (140mm)	5 1/2" (140mm)	5 1/2" (140mm)
Projection	—	2" (51mm)	2" (51mm)	2" (51mm)	2" (51mm)

Handing

	—	—	—	—	—

Cylinder type

Rim or vertical device	—	—	Rim	Rim	—
Mortise lock device	—	—	1 1/4" mortise	1 1/4" mortise	—

* Specify R/V if used for rim and vertical devices, M for mortise device. Example, 990NL-R/V or 990NL-M.

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

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696 trim

Trim description				
Nomenclature	696DT	696NL*	696TP*	696TP-BE*
Trim function	Dummy trim	Night latch	Thumbpiece	Thumbpiece blank escutcheon
Function description	Pull when dogged	Key retracts latch bolt	Key locks and unlocks	Always operable, no cylinder
ANSI function	02	03	05	15
Device compatibility				
98/99/ XP98/XP99 Rim	■	■	■	■
98/99/ XP98/XP99 Rim-F	■	■	■	■
98/9927/27-F	■	■	■	■
98/9947/47-F	■	■	■	■
98/9947WDC/WDC-F	■	■	■	■
98/9948/48-F	■	■	■	■
98/9949/49-F	■	■	■	■
98/9950WDC/50WDC-F	■	■	■	■
98/9952†				
98/9957/57-F	■	■	■	■
98/9975/75-F	■	■	■	■
Dimensions				
Escutcheon plate size	1 $5/8$" x 13 $1/2$" x $3/16$" (41 x 343 x 5mm)			
Pull center to center	5 $1/2$" (140mm)	5 $1/2$" (140mm)	5 $1/2$" (140mm)	5 $1/2$" (140mm)
Projection	2 $1/6$" (52mm)	2 $1/6$" (52mm)	2 $1/6$" (52mm)	2 $1/6$" (52mm)
Handing				
	—	—	—	—
Cylinder type				
Rim or vertical device	—	Rim	Rim	—
Mortise lock device	—	1 $1/4$" mortise	1 $1/4$" mortise	—

* Specify R/V if used for rim and vertical devices, M for mortise device. Example, 696NL-R/V or 696NL-M.

† Default trim is 252L /L–BE. Must be ordered as EO when paired with other trims (ordered separately).

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697 trim

Trim description

Nomenclature	697DT	697NL*	697TP*	697TP-BE*
Trim function	Dummy trim	Night latch	Thumbpiece	Thumbpiece blank escutcheon
Function description	Pull when dogged	Key retracts latch bolt	Key locks and unlocks	Always operable, no cylinder
ANSI function	02	03	05	15

Device compatibility

98/99 Rim/Rim-F	■	■	■	■
XP98/XP99 Rim/Rim-F	■	■	■	■
98/9927/27-F	■	■	■	■
98/9947/47-F	■	■	■	■
98/9947WDC/WDC-F	■	■	■	■
98/9948/48-F	■	■	■	■
98/9949/49-F	■	■	■	■
98/9950WDC/50WDC-F	■	■	■	■
98/9952†				
98/9957/57-F	■	■	■	■
98/9975/75-F	■	■	■	■

Dimensions

Escutcheon plate size	1 5/8" x 13 1/2" x 3/16" (41 x 343 x 5mm)			
Pull center to center	5 1/2" (140mm)	5 1/2" (140mm)	5 1/2" (140mm)	5 1/2" (140mm)
Projection	3" (76mm)	3" (76mm)	3" (76mm)	3" (76mm)

Handing

	—	—	—	—

Cylinder type

Rim or vertical device	—	Rim	Rim	—
Mortise lock device	—	1 1/4" mortise	1 1/4" mortise	—

* Specify R/V if used for rim and vertical devices, M for mortise device. Example, 697NL-R/V or 697NL-M.

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

374 Control x DT and 376 Control x DT trim

Trim description	**374 Control x DT**			**376 Control x DT**		
Nomenclature	374T x 990DT	374T-BE x 990DT	374T-NL x 990DT	376T x 990DT	376T-BE x 990DT	376T-NL x 990DT
Trim function	Thumbturn	Thumbturn - blank escucheon	Thumbturn - night latch	Thumbturn	Thumbturn - blank escucheon	Thumbturn - night latch
Function description	Key locks and unlocks, use with DT trim	Always operable, no cylinder, use with DT trim	Insert key to unlock, remove key to lock	Key locks and unlocks, use with DT trim	Always operable, no cylinder, use with DT trim	Insert key to unlock, remove key to lock
ANSI function	11	16	12	11	16	12
Device compatibility						
98/99/ XP98/XP99 Rim						
98/99/ XP98/XP99 Rim-F						
98/9927/27-F	■	■	■			
98/9947/47-F				■	■	■
98/9947WDC/WDC-F						
98/9948/48-F				■	■	■
98/9949/49-F						
98/9950WDC/50WDC-F						
98/9952†						
98/9957/57-F	■	■	■			
98/9975/75-F						
Dimensions						
Escutcheon plate size			TL: 1 $^{11}/_{16}$" x 7 $^{1}/_{2}$" x $^{7}/_{8}$" (43 x 191 x 22mm)			
			DT: 3" x 14 $^{3}/_{16}$" x $^{3}/_{32}$" (76 x 360 x 2mm)			
Pull center to center	—	—	—	—	—	—
Projection	2" (51mm)	2" (51mm)	2" (51mm)	2" (51mm)	2" (51mm)	2" (51mm)
Handing						
	—	—	—	—	—	—
Cylinder type						
Rim or vertical device	1 $^{1}/_{4}$" mortise	—	1 $^{1}/_{4}$" mortise	1 $^{1}/_{4}$" mortise	—	1 $^{1}/_{4}$" mortise
Mortise lock device	—	—	—	—	—	—

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

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376 T-WDC Control x DT and 252 trim

Trim description	376 T-WDC Control x DT			252 Trim	
Nomenclature	376T-WDC x 990DT	376TWDC-BE x 990DT	376TWDC-NL x 990DT	252L	252L-BE
Trim function	Thumbturn	Thumbturn - blank escucheon	Thumbturn - night latch	Lever	Lever – blank escutcheon
Function description	Key locks and unlocks, use with DT trim	Always operable, no cylinder, use with DT trim	Insert key to unlock, remove key to lock	Key locks and unlocks	Always operable, no cylinder
ANSI function	11 or 12	16	04	08	14
Device compatibility					
98/99 Rim/Rim-F					
XP98/XP99 Rim/Rim-F					
98/9927/27-F					
98/9947/47-F					
98/9947WDC/WDC-F	■	■	■		
98/9948/48-F					
98/9949/49-F					
98/9950WDC/50WDC-F					
98/9952†				■	■
98/9957/57-F					
98/9975/75-F					
Dimensions					
Escutcheon plate size	TL: 1 $^{11}/_{16}$" x 7 $^{1}/_{2}$" x $^{7}/_{8}$" (43 x 191 x 22mm)			3" x 6 $^{3}/_{8}$" x $^{15}/_{16}$" (76 x 162 x 24mm)	
	DT: 3" x 14 $^{3}/_{16}$" x $^{3}/_{32}$" (76 x 360 x 2mm)				
Pull center to center	—	—	—	Handed/reversible	
Projection	—	2" (51mm)	2" (51mm)	2 $^{5}/_{8}$" (67mm)	2 $^{5}/_{8}$" (67mm)
Handing					
	—	—	—	—	—
Cylinder type					
Rim or vertical device	1 $^{1}/_{4}$" mortise	—	1 $^{1}/_{4}$" mortise	1 $^{1}/_{4}$" mortise	—
Mortise lock device	—	—	—	—	—

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

Optional trim

Schlage® HL6 quiet hospital push/pull latch

Von Duprin and Schlage® have collaborated on an exit device trim that provides both accessibility and performance. In combination, the 98/9975 mortise lock device along with the newly designed Schlage HL6 quiet hospital push/pull latch delivers an exit device with mortise lock durability that utilizes an easy to use, ADA compliant push/pull trim. The HL6 is now 50% quieter through dampened paddle action, reducing the noise associated with lock operation providing healthcare organizations a reliable solution for noise reduction initiatives. The 98/9975HL device is available in most standard architectural finishes, including antimicrobial options. Consult the HL Series catalog or data sheet for complete product information.

392-7 Offset pull

The 392-7 Offset pull is $3/4$" round stainless steel, with a 7" center to center which matches the 98/99 center case. Often used with a night latch operation. $3\,1/2$" (89mm) offset with $1\,1/2$" (38mm) clearance.

Vandal resistant trim: Ives VR910 and VR914 Series

VR910 black grip for softer touch and resilience to temperature extremes. VR914 grip in all stainless steel. Grip designed f or comfortable operation.

Features:

- Stainless steel construction, 11 gauge (0.120" thick); 630 finish only
- Thru-bolts and rugged mounting screws for maximum fastening strength
- Built-in lock protector prevents vandalism to mortise latch bolt (available on certain models)
- Extra-tough stainless steel cylinder collar prevents pipe wrench or similar tool from damaging cylinder; tapered design prevents side impacts from transferring directly to cylinder; collar spins freely.
- Furnished with mounting screws for door thicknesses of $1\,3/4$" to $2\,1/4$"
- $1\,1/2$" (38mm) clearance from grip to door, total projection $1\,7/8$" (48mm)
- Consult the Ives catalog for more information

Model	For use with	Size
VR910DT and VR914DT	98/99 Rim or vertical rod device	$5\,1/2$" x 11" (133mm x 279mm)
VR910NL and VR914NL	98/99 Rim or vertical rod device	$5\,1/2$" x 11" (133mm x 279mm)
VR910M-DT and VR914M-DT	9875/9975 Mortise device	$7\,1/4$" x 11" (184mm x 279mm)
VR910M-NL and VR914M-NL (handing required)	9875/9975 Mortise device	$7\,1/4$" x 11" (184mm x 279mm)

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Electronic locks from Schlage

AD Series

The AD Series was designed to be the right choice for today, and is ready to adapt to whatever the future holds.

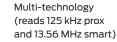There are a variety of options that allow you to select the AD Series electronic lock that's right for you, and a wide selection of features that can be configured in the field to further customize each opening. When your needs change in the future, the innovative modular design of the AD Series allows you to easily upgrade the credential reader or networking option, and adapt to emerging technologies using your existing chassis – all without taking the lock off the door. This means that you can be confident that your choice of the AD Series is right for today, and that your investment will be protected into the future.
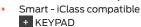
Credential reader options

AD Series electronic locks are compatible with many different credential types.

- Multi-technology (reads 125 kHz prox and 13.56 MHz smart)
- Smart - iClass compatible
  + KEYPAD

- Magnetic stripe (insertion)
  + KEYPAD

- Magnetic stripe (swipe)
  + KEYPAD

- Keypad

Communication options

Networked

In facilities where increased monitoring and control are needed, a networked solution is essential.
The AD Series networked options feature:
- Open architecture platform
- Reliable 900 MHz communicationon wireless locks
- Real-time monitoring

The AD Series networked lock is available in either a wireless or hardwired configuration to fit your application needs.
- **AD-300** Networked hardwired locks
- **AD-302** Networked hardwired FIPS 201-2 integration-ready locks
- **AD-400** Networked wireless locks
- **AD-402** Networked wireless FIPS 201-2 integration-ready locks

Standalone

Standalone locks are a cost-effective solution for doors that do not require real-time monitoring. The AD Series standalone solution provides:
- Option for future upgrade to networked wireless
- Improved credential management
- Audit trail reports

Schlage offers two AD Series standalone solutions to fit your environment:
- **AD-200** Access rights are stored on the lock
- **AD-250** Access rights are stored on the magnetic stripe credential

Chassis
- Cylindrical
- Mortise
- Mortise deadbolt
- Exit trim[1]

Locking functions[2]
- Classroom/storeroom
- Office
- Privacy
- Apartment

Certifications
- ANSI/BMHA A156.25
- ANSI/BHMA Grade 1
- UL 294 listed
- UL 10C
- ADA
- FCC part 15
- RoHS

Complete your system

Complete your AD Series system with readers, credentials, system components, and other wireless accessories.

1. See AD Series exit trim compatibility data sheet for complete list of compatability by manufacturer.
2. Lock function capability varies depending on Physical Access Control Software (PACS) OEM integration design.

CO Series

In the world of standalone electronic locks, CO Series offers simple solutions for access control. These easy-to-use, versatile locks can be applied anywhere there is a need to control access without distributing keys. The popular CO-100 is a simple lock that momentarily unlocks with a valid PIN code entry. It can be used indoors or out and allows administrators a variety of command options. The Series also includes CO-200, the CO-220 classroom lock, and the CO-250. These computer programmable locks can provide audit trails and feature dual credential options (card+PIN) that provide an even greater level of security.

Compatibility

The CO Series offers a wide range of applications and can be used alongside other Schlage electronic locks. They feature expanded cylinder, exit device, and credential compatibility.

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Electronic locks from Schlage

Exit device compatibility[1]

	Rim	SVR[2]	CVR/CVC	Mortise
Von Duprin 98/99 and 98/99 XP	✔	✔	✔	✔
Von Duprin 22/22F	✔	✔		
Falcon 25	✔			

1. See CO Series exit trim compatibility datasheet for complete list of compatability by manufacturer.
2. CO-220 is not compatible with surface vertical rod (SVR) devices.

Note: Exit device must be ordered as Exit Only (EO).

Credential compatibility

The CO Series is compatible with many different credential types. For customers with an installed base of iButtons®, a combo proximity keyfob with iButton option is available to make an easy transition to proximity technology.

Class

CO-100

- Manually programmable
- Keypad only
- User rights stored on the lock
- Remote release, outdoor use and occupancy indication options

CO-200

- Computer or manually programmable
- Keypad, magnetic stripe (+PIN), proximity (+PIN)
- User rights stored on the lock
- Ability to provide schedules and audits

CO-220

- Computer or manually programmable
- Keypad, magnetic stripe (+PIN), proximity (+PIN)
- User rights stored on the lock
- Ability to provide schedules and audits
- Classroom lockdown function via fob

CO-250

- Computer programmable
- User rights stored on the card

Chassis

- Cylindrical
- Mortise
- Mortise deadbolt
- Exit trim

Functions

- Classroom/storeroom
- Office
- Privacy

Power

- 4 standard (AA) batteries

Reliability

When it comes to securing your facility, you can't afford to take chances. CO Series locks are tested to the highest quality and reliability standards in the industry, including:

- ANSI/BHMA A156.25 and ANSI/BHMA Grade 1
- UL 294
- UL 10C
- ADA

Lever styles and finishes for AD and CO Series

Lever options

| Athens | Boardwalk | Broadway | Latitude | Longitude | Rhodes | Sparta | Tubular |

Finish options

Color	Bright brass	Satin brass	Satin bronze	Satin nickel	Bright chrome	Satin chrome	Aged bronze
ANSI/BHMA number	605	606	612	619	625	626/626AM	643e

Dogging options

Cylinder dogging (CD)

Cylinder dogging is available on all 98/99 Panic exit devices to replace the standard hex key dogging. Unit requires a standard 1¼" (32mm) mortise cylinder with an inverted straight cam. When ordering, reference Schlage cylinder 20-001, 1¼", XQ11-949. This provides the L583-477 cam inverted at the factory.

To order, specify: Use prefix, CD, example CD99L

Less dogging (LD)

Less dogging is available in all 98/99 Panic exit devices to remove the dogging option.

To order, specify: Use prefix LD, example LD99L

Special center case dogging (SD)

Special cylinder dogging in the center case is available for Chexit, EL, QEL, ALK panic devices to allow for mechanical push/pull operation. With this option, the latch bolt is held retracted and pushbar is still operable. Specify handing—RHR or LHR.

SD requires 1¼" (32mm) mortise cylinder with an inverted straight cam. When ordering, reference Schlage cylinder 20-001, 1¼", XQ11-949. This provides the L583-477 cam inverted at the factory.

Note: Available on rim and vertical rod panic exit devices only.

To order, specify:
1. Prefix SD, example SD99L and Handing.
2. Not for 98/9975 Devices.

Cylinder dogging kit* (CDK)

For field conversion, from hex key dogging, conversion kit is available.

To order, specify: 99CDK or 98CDK, specify finish.

*Cannot be added to fire exit hardware.

Hex key dogging kit* (HDK)

For field conversion, from cylinder dogging, conversion kit is available.
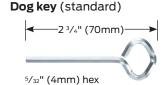
To order, specify: 99HDK or 98HDK, specify finish.

*Cannot be added to fire exit hardware.

Dog keys

Dog key (old style)

←—2 ³/₁₆" (56mm)—→

⁷/₃₂" (6mm) hex

Dog key (standard)

←——2 ³/₄" (70mm)——→

⁵/₃₂" (4mm) hex

Dogging indicator (CI/DI)
- Red indicator light every 5 seconds, visible from over 75 feet away
- Available in a hex or cylinder dogging format
- Designed for battery life over one year
- Available as a factory option or field retrofit kit
- Designed for device with mechanical dogging built after 1997

To order, specify:
As device option:
1. DI99EO 3' 630 (hex dogging)
2. CDI98EO 4' 628 (cylinder dogging)

As retrofit kit:
1. DI Retrofit Kit 3' 662 (hex dogging)
2. CDI Retrofit Kit 4' 613 (cylinder dogging)

Classroom security/security indicators

Designed for high use and abuse institution environments, such as schools and hospitals, these Von Duprin products are recommended f or the following applications:

Visual verification
Reduce the time it takes to tour your facility and ensure each door is secure by installing the Von Duprin security indicator to provide at-a-glance visual verification.

Lockdown
Lock down high occupancy areas such as auditoriums, cafeterias and gymnasiums, from inside the room with the Von Duprin security indicator that provides positive visual confirmation.

Features and benefits
- Lockdown solution that meets fire and life safety codes for free egress
- Modular conversion kits allow you to quickly and easily upgrade your existing devices

-2SI security indicator with double cylinder
- Thumbturn or key cylinder with lock/unlock labels provide a clear direction of rotation to secure opening
- Available for 98/99 Series rim devices

CDSI/HDSI dogging indicator
- Hex or cylinder dogging options
- Visual indication of whether the exit device is dogged or undogged
- Available for 98/99 & 33A/35A Series panic devices

Double cylinder with security indicator (-2SI)
The -2SI Security Indicator provides an at-a-glance verification of the LOCKED/ UNLOCKED status of the door from inside of the room. This option can be ordered as a new product or as a retrofit conversion kit to an existing 98/99 rim device. Indicator in "UNLOCKED" state presents a $1/2$" x $1/2$" metal flag (unlock icon, laser cut into flag) at top of device head. Indicator in "LOCKED" state has no flag present.

To order, specify:
1. Suffix: -2SI double cylinder with security indicator.
2. Available with L, TP or K functions. Specify handing. Rim cylinder (3126) sold separately. Rim cylinder T-turn available from Schlage, order part number XB 11-979.

Dogging security indicators (CDSI/HDSI)
The CDSI/HDSI dogging indicator provides an at-a-glance verification of the status of the door from inside of the room. Visible "LOCKED" and "UNLOCKED" indicators

CDSI

HDSI

show whether the device is undogged or dogged. This feature can be used with hex key (HDSI) or cylinder dogging (CDSI) options on various device types—rim, mortise and vertical systems.

To order, specify:
1. Cylinder dogging security indicator: Prefix CDSI.
2. Hex dogging security indicator: Prefix HDSI.
3. Above options cannot be used with fire-rated devices and are recommended for use in combination with the following trim functions - DT, K-DT, L-DT, EO, NL, K-NL, L-NL, NL-OP.

Double cylinder
Double cylinder features an inside key cylinder which locks or unlocks the outside trim and an outside key cylinder which retracts the latch bolt only (Night latch function). Available on rim or mortise lock device.

Rim requires two rim type cylinders. Mortise device requires 1 rim cylinder and 1 mortise cylinder $1\frac{1}{4}$" with a straight cam. (Schlage cam reference L583-477.) Available functions are thumbpiece, knob or lever.

To order, specify:
1. Suffix -2 with device/trim number, example 99TP-2.
2. Handing required, LHR or RHR.

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Environmental options

Quiet Mechanical (QM)

The QM option controls motion to reduce operational noise. It is available for the 996 trim, as well as 98/99 and 33A/35A rim and surface vertical rod devices. The QM trim solution provides a damper-controlled lever return. Likewise, the QM rim device option provides damper-controlled re-latching.

Features and benefits

- Controlled motion to reduce operational noise
- 996 damper-controlled lever return
- 98/99 and 33/35A damper controlled re-latching
- Available pre-installed from factory or as a retrofit kit
- Compatible with QEL, AX, RX, CD and HD

Pneumatic (PN) controlled exit devices

The PN feature provides remote latch bolt retraction in hazardous areas where electrically operated devices would not be permitted. The pneumatic solenoid will retract the latch bolt for momentary or prolonged periods. PN exit devices are particularly suited for use with automatic door operators. The PN feature is available on both Panic and fire exit hardware devices.

The PN feature includes a special actuating linkage that gives building owners the option of mechanically or pneumatically dogging the exit device. If manual hex-key dogging is required, specify HD-PN (Dogging the device, whether mechanically or pneumatically, makes the device function as a push/pull unit and reduces the wear on its moving parts.) If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify SD-PN. SD-PN is not available on the 9875 or 9975 devices.

When activated pneumatically, the latch bolt(s) of the exit device retract in $1/2$ to $1\,1/2$ seconds. This pneumatic operation uses air pressure ranging from 50 to 100 pounds per square inch.

This product will function only when it is part of a pneumatic system (air compressor, air lines, pneumatic system, etc.) Contact LCN for correct control boxes.

To order, specify:

- Standard — Use prefix PN, example PN99NL
- Hex key dogging — Use prefix HD-PN, example HD-PN99NL
- Special center case dogging (handing is required, specify RHR or LHR) — Use prefix SD-PN, example SD-PN99NL

Pneumatic transfer (PNT)

Pneumatic controls

PNT-1 is available for pneumatic latch retraction exit devices. Appearance and dimensions are identical to EPT models.

Weatherized options

Windstorm (WS) surface vertical rod one-point and three-point exit devices

WS Multi-point exit devices for tornado application devices WS98/9927 (two-point) and WS98/9957 (three-point) surface vertical rod exit devices are designed, tested and certified to comply with the Federal Emergency Management Agency's publication FEMA 361- Design and Construction Guidance for Community Safe Rooms.

Features and benefits

- Uniquely designed center case
- Vertical rods designed to reinforce the strength of the door
- Reinforced top and bottom latch housing with strengthening strap
- Stamped end cap mounting bracket
- Top soffit latch with reinforced ratchet release bracket
- Cast latch covers
- Stronger latch mounting screws
- Thru-bolted attachment points

UL Listing – panic hardware UL 305; and fire exit hardware UL 10C:

WS98/9927:

3 hour pairs of doors double egress, 90 minutes swinging same direction, 8'0" x 8'0" BHMA Grade 1, ANSI A156.3-2001

WS98/9957:

3 hours single doors, 4'0" x 8'0" BHMA Grade 1, ANSI A156.3-2001

Windstorm ratings:

WS98/9927:

- Door applications 8'0" x 8'0" (2438mm x 2438mm) pairs (swinging same direction); 4'0" x 8'0" (1219mm x 2438mm) single (non-fire rated only) flush hollow metal
- Florida Building Code Compliance Compliance to TAS 201, TAS 202, TAS 203; design load rating +150/-150 PSF (245 mph wind zone); Enhanced Hurricane Protection (EHPA) ASTM E1996; ANSI/ICC 500 (245 mph wind zone)
- UL-FEMA 361 Compliance to TAS 201, TAS 202, TAS 203; design load rating +150/-150 PSF (245 mph wind zone); Enhanced Hurricane Protection (EHPA) ASTM E1996; ANSI/ICC 500 (245 mph wind zone)

WS98/9957:

- Door applications 4'0" x 8'0" (1219mm x 2438mm) single (panic and fire rated) flush hollow metal
- UL-FEMA 361 Certified 4'0" x 8'0" (1219mm x 2438mm) single (panic and fire rated) flush hollow metal

- These devices are listed with Steelcraft Paladin™ Doors for tornado listing and Steelcraft H and HE Series doors for hurricane listings

To order, specify: WS prefix, example WS9927-F

Specifications	
Device functions	Device ships EO (exit only). For TP (Thumbturn), K (Knob), or L (Lever). Remove NL drive screw from device
Device lengths	3': 2'4" to 3' (71mm to 914mm) door size 4': 2'10" to 4' (864mm to 1219mm) door size
Strikes	Bottom – 304L Unfinished
Dogging feature	Hex key dogging standard (Panic)
Dogging options	**CD** Cylinder dogging **LD** Less dogging
Electrical options	**LX** Latch bolt monitor switch **RX** Request to exit **RX-2** Double request to exit **ALK** Alarm exit kit **SS** Signal switch **QEL** Quiet electric latch
Fasteners and sex bolts (SNB)	Includes 1 $3/4$" (44mm) metal doors SNB furnished for top and bottom latches and device (required)
Device centerline from finished floor	39 $1/2$" (1003mm)
Door undercut	$1/4$" (7mm)
Center case dimensions	8" x 2 $3/4$" x 2 $3/8$"
Mechanism case dimensions	2 $1/4$" x 2 $1/4$" (57mm x 57mm)
Top and bottom latch case	4 $1/2$" x 2 $1/2$" x 1 $7/8$" (114mm x 64mm x 48mm)
Vertical rods	$1/2$" (13mm) round tubing, standard rods accommodate 7' (2134mm) door Top rod length is 36 $1/4$" (921mm) Bottom rod length is 31 $3/4$" (806mm)
Projection	Pushbar neutral – 3 $13/16$" (97mm) Pushbar depressed – 3 $1/16$" (78mm)
Finishes	605, 606, 612, 625, 626, 628, 710, 711 and 630* *630 available on WS9827 and WS9857 devices only

Weep holes (WH)

WH is available for all 98/99 Series exit devices. Weep holes are ideal for devices that are mounted to exterior doors that can be exposed to rain and other elements. Hole spacing on 3' and 4' devices devices are every 6" on center. A 3 foot device will have 5 holes, a 4 foot device will have 7 holes.

To order, specify: Suffix WH, 99EO-WH.

Accessibility options

Accessible device (AX)
The AX device is a UL certified exit device designed to meet the progressive requirements of the California Building Code for accessible openings. This device meets the 5 lbs of operating force requirement called for in chapter 11B-309.4. The AX device also exceeds ANSI/BHMA requirements. Available devices include: AX98/99, AX98/99-F, AX98/9927LBR, AX98/9927-F LBR, AX98/9949LBL, AX98/9949-FLBL, AX98/9949-F LBLAFL, AX98/9950LBL, AX98/9950-FLBL. Additionally, all AX devices will be shipped with a new UL label clearly stating "Meets California building Code (2013) Sec. 11B-309.4" and an "AX" identifier label on device center case. See images below for reference.

UL label

AX Device label

Latches

Less bottom rod, panic and fire rated (LBR)
LBR option is available, using a spring loaded auxiliary latch bolt installed in the lower door edge. When exposed to heat the auxiliary latch bolt releases, keeping the doors in alignment and closed during a fire. UL listed 3 hours on hollow metal doors double egress, 90 minute swinging same direction, and 20 minutes wood doors (consult wood door manufacturer). Fits door stiles as narrow as $3\,5/8$".

LBR devices must be ordered in pairs or must be used in conjunction with an approved automatic or constant latching flush bolt.

Pullman latch (PL)
When PL is specified the standard latches are replaced with pullman style latches. Pullman latches are always extended and are most commonly used in conjunction with electric strikes and LBR-less bottom rod application. Not available with Fire rated devices.

Not recommended where security is of the utmost importance since latches do not deadlock.

Push pads

Dummy push pad

The 330 dummy push pad is designed as a companion unit for all 99 devices. The 350 dummy push pad is a companion unit for all 98 devices. The push pad is rigid or nonfunctioning. A push/pull operation can be accomplished by using 990DT, 996DT trim or any Ives Pull.

The 330/350 can be equipped with a functional push pad and will accommodate an RX or WP-RX switch. Specify RX-330.

May also be equipped with the RX2, double RX switch.

To order, specify:
1. 330 or 350.
2. Size 3' or 4' (914mm or 1219mm)
3. Finish – 605, 606, 612, 625, 626, 628, 710 and 622/711. (630 – 350 only)
4. Specifiy RX, WP-RX or RX-2 if desired.

Safety glow (SG)

Self-illuminating touchpad defines the location of the exit door in dark or smoke-filled area. The safety glow coating is a special powder coat finish that glows brightly during low or no light conditions. This coating was developed to meet MEA standards where luminescent exit door markings are required in commercial facilities. There are no batteries or electronics, the coating is charged when exposed to light.

To order, specify: Suffix SG, EL 9927L-SG

Red silk screen (RSS)

Red silkscreen lettering on touchpad trim. - "Emergency Exit Only, Push To Open And Sound Alarm". This comes standard on RSS devices.

To order, specify: Suffix RSS, 9927L-RSS RHR

Braille, embossed and knurled touchpads

* Image shown is a special order.

Braille touchpad embossed with the standard message "CAUTION STAIRWELL" in braille and raised letters provides assistance to persons with impaired vision. Letters are $1/2$" (13mm) high and braille is #2, raised height is $3/32$" (2mm). Other messages are available on special order, limited to 20 characters per line.* **To order, specify:** Suffix BR, EL9927L-BR.

Embossed touchpad is embossed with the word "PUSH". **To order, specify:** Suffix EMB, EL9927L-EMB.

Knurled touchpad is to provide warning to persons with impaired vision. **To order, specify:** Suffix PBKN, EL9927L-PBKN.

*Consult factory for availability.

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Latch retraction

Quiet electric latch retraction (QEL)

Quiet electric latch retraction (QEL) provides electronic control of an exit device for environments where limited operational noise is desired. These devices always provide mechanical egress. The electrified latch retraction can also be activated by an access system or building automation system to unlatch the exit device momentarily. Often the QEL is used with a credential reader and access control system to unlock the door momentarily for authorized users.

The QEL can also be configured to electronically retract the latch for an extended period of time to allow free entry. This is a convenient alternative to mechanical dogging. If manual dogging is required, the hex dogging option is available, to order specify HD-QEL. Special center case dogging is also available for 98/99 rim and vertical systems, specify SD-QEL.

The QEL option is available on panic devices and fire rated devices. UL approved for Class II circuit applications.

The QEL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS902 or 914 power supply.

The PS902/914 with the 2RS, 4RL or 4R board is the minimum required. Other option boards available for other functions, see PS902/914 power supply for additional information.

The QEL has a low in rush current, so it can be used with standard Schlage power supplies. Calculate the peak current draw of all devices in the system to determine the required amperage of the supply.

The -2RS option board is designed to control two electric latch retraction devices and provide time delay between the firing of outputs is required. The power transfer is also sold separately.

To order, specify:

1. Standard — use prefix QEL, example QEL99L.
2. Special center case dogging — use prefix SD-QEL, example SD-QEL99L

Note: Baseplate and modular QEL Conversion kits are available for field retrofit. Please see parts/service manual for part numbers.

Schlage PS902	Schlage PS904	Schlage PS906
Up to 2 amps	Up to 4 amps	Up to 6 amps

QEL Electrical load

Voltage	24VDC
Current	1.0 A Inrush (0.5 sec.) / 0.14 A Holding

Minimum door opening widths

Application	Surface vertical	Concealed vertical	Mortise	Rim
Min. door opening	28 $^1/_4$"	28 $^1/_4$"	28 $^3/_4$"	29 $^1/_4$"

Popular application

Power supply PS902-2RS
Electrified power transfer
EPT-2 or EPT-10

a*	Distance (one-way)	Wire gauge
	200 '	18 AWG
	320 '	16 AWG
	500 '	14 AWG
	800 '	12 AWG

b*	Wire selection	Switch wire size
	1200 ft. Max.	18 gauge standard

Latch retraction

Electric latch retraction (EL)

The Electric latch retraction (EL) option provides electronic control of an exit device using a powerful, continuous duty solenoid. If manual dogging is required, special center case dogging is also available for 98/99 rim and vertical systems, specify SD-EL. SD-EL is not available on 9875 or 9975 devices. UL approved for Class II circuit applications.

The EL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS914 power supply.

The PS914 with the 9002RS option card is the minimum option card required. Other option cards available for other functions, see PS914 power supply for additional information.

Solenoid specifications:
Continuous duty – 24 VDC
Current inrush – 16 amps
Current holding – 0.3 amps

Solenoid resistance:
-grn-yel 1.2 – 2.2 OHMS
-grn-org 100 – 150 OHMS

To order, specify:
1. Standard – Use prefix EL, example EL99L.
2. Hex Key dogging – Use prefix HD-EL, example HD-EL99L.
3. Special center case dogging – Use prefix SD-EL, example SD-EL99L

Note: Baseplate and EL Conversion kits are available for field retrofit. Please see parts/service manual for part numbers.
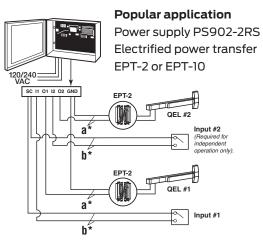
Minimum door opening widths

Application	Surface vertical	Concealed vertical	Mortise	Rim
Min. door opening	28 1/4"	28 1/4"	28 3/4"	29 1/4"

Popular EL application
Power supply PS914-2RS
Electrified power transfer
EPT-2 or EPT-10

Von Duprin exit device	EL Wire length (feet)[1]	Wire gauge (AWG)
EL 98/99 Rim	0-500	12
	0-300	14
	0-200	16
All other 98/99EL device types	0-250	12
	0-150	14
	0-100	16
Control switch	0-1200	18

1. Wire lengths include an EPT, Door loop, electric hinge or pivot and are measured one way between the PS914/option board and the device.

Note: Table is applicable to devices that have shipped after August 2012.

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Delayed egress

The Chexit® (CX) (with motor driven blocking actuator)*

The Von Duprin Chexit device is designed for controlled egress applications. It meets both life safety and security needs, as well as the requirements of NFPA 101 for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control inputs, auxiliary locking, local alarm and remote signaling outputs are self-contained in the Chexit assembly. Numerous configurable options allow the device to be customized for the specific code or application requirements. The standard Chexit device sounds an alarm and keeps the door secured for 15 seconds following an exit attempt with immediate release upon fire.

The Chexit device includes a 6" x 20" decal for application on door. "PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS"

Chexit typical applications

Chexit single door with options – The Chexit is used as an access control device. The card reader allows access. Also shown in this application is an external horn and door position switch. The auxiliary horn is used for increased volume in remote locations. Using a door position switch gives added security to the opening in case the door is not reclosed.

With the Chexit disarmed, the opening functions as a normal exit device. If card readers are required on both sides of the door, the normally closed contacts of the readers should be wired in series.
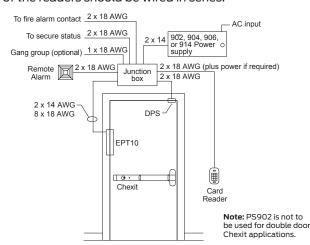

Figure 1. Riser diagram, single door

To fire alarm contact — 2 x 18 AWG
To secure status — 2 x 18 AWG
Gang group (optional) — 1 x 18 AWG
Remote Alarm — 2 x 18 AWG
2 x 14 — 902, 904, 906, or 914 Power supply — AC input
Junction box — 2 x 18 AWG (plus power if required) / 2 x 18 AWG
2 x 14 AWG / 8 x 18 AWG
DPS
EPT10
Chexit
Card Reader

Note: PS902 is not to be used for double door Chexit applications.

Minimum door opening sizes for CX devices
(Consult factory for other size requirements)

Device	3' (914mm) Length	4' (1219mm) Length
CX98/98-F/99/99-F	2'10 $^3/_4$" (883mm)	3'4 $^3/_4$" (1035mm)
CX-XP98/XP98-F/XP99/XP99-F	2'10 $^3/_4$" (883mm)	3'4 $^3/_4$" (1035mm)
CX9827/9827-F/9927/9927-F	2'10 $^1/_4$" (870mm)	3'4 $^1/_4$" (1022mm)
CX9847/9847-F/9947/9947-F	2'10 $^1/_4$" (870mm)	3'4 $^1/_4$" (1022mm)
CX9848/9848-F/9948/9948-F	2'10 $^1/_4$" (870mm)	3'4 $^1/_4$" (1022mm)
CX9849/9849-F/9949/9949-F	2'10 $^1/_4$" (870mm)	3'4 $^1/_4$" (1022mm)
CX9850/9850WDC-F/ 9950/9950WDC-F	2'10 $^1/_4$" (870mm)	3'4 $^1/_4$" (1022mm)
CX9857/9857-F/9957/9957-F	2'10 $^1/_4$" (870mm)	3'4 $^1/_4$" (1022mm)
CX9875/9875-F/9975/9975-F	2'10 $^1/_4$" (870mm)	3'4 $^1/_4$" (1022mm)

Specifications / Power supply requirements[1]

Input voltage – 24VDC
Input current inrush – 1.25A
Input current holding – 390mA
Alarm relay and Secure relay contact ratings – 24VDC, 1A
Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

Power supply information for CX devices with motor driven blocking actuator[1]

Power supply	Maximum number of devices
PS902 (up to 2 amps)	1 Chexit device
PS904 (up to 4 amps)	3 Chexit devices
PS906 (up to 6 amps)	4 Chexit devices
PS914 (up to 4 amps)	4 Chexit devices

Note: When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating, see table above for output ratings. Consult Installation Instructions for proper wire gauge and wire run requirements. Exceeding the recommended devices and/or not following Installation Instructions may void your warranty. Call Customer Care at 877-671-7011 or visit the Allegion website for more information - www.us.allegion.com.

To order, specify:

1. Prefix product description number "CX". Example: CX99L
2. Specify option (see options on page 53). Example: CX-RCM or CD-CX
3. Door size other than 3' (914mm).
4. Door thickness other than 1 $^3/_4$" (45mm).
5. Finish.
6. Handing, LHR or RHR. Required with "CD" option.

1. Chexit devices built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements. The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

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Chexit, RCM and DE5300 features

The Chexit, remote chexit module (RCM) or DE5300 devices have several features and options available to fit your applications. See below for more information.

Inputs and outputs

Fire alarm input
This input releases the door immediately upon a fire alarm allowing immediate egress. The internal alarm can be silenced during a fire input via an onboard switch setting.

Inhibit input (access control)
This optional input is provided to allow authorized egress or entry when the device is armed using an external card reader, key switch, etc. It also allows remote reset of the Chexit, RCM or DE5300 in an alarmed condition. The ability to reset alarms with the inhibit input can be disabled via an onboard switch setting.

Door position switch input
An optional door position switch (DPS) can provide door position status to Chexit, RCM or DE5300 for additional security, ensuring that the door is closed, and can cause alarm when the door is left or forced open.

Gang bus
The gang bus allows a Chexit, RCM or DE5300 device to signal other Chexit, RCM or DE5300 devices when it enters the release delay, allowing multiple doors to release at the same time in an emergency. Up to 8 devices may be connected to the gang bus.

Alarm relay contacts
The alarm relay contacts are provided as a means to control a remote alarm, such as a horn or lamp, or signal an external monitor. The contacts can be configured with a jumper as normally open or normally closed, and become active upon entering an alarmed condition.

Secure relay contacts
The secure relay contacts are provided as a means to signal an external monitor. The contacts can be configured as normally open or normally closed with a jumper, and become active when the dps indicates the door is closed and the push pad is locked.

Delays

Release delay
When the push pad is pushed and the nuisance delay expires, the Chexit, RCM or DE5300 enters the release delay with alarm. During the release delay, the internal alarm sounds, the alarm relay activates, and the Chexit/RCM keeps the push pad or DE5300 magnetic lock, locked for 15 seconds (less any time already elapsed during the nuisance delay). Once started, the release delay sequence will not stop and the devices will unlock.

Nuisance delay
When a Chexit, RCM or DE5300 is located in a public area, it can be desirable to limit false releases when the push pad is accidently pushed. The nuisance delay is the brief time a push pad can be accidently pushed before the release delay sequence starts. If the nuisance time is set to 0 seconds the Chexit, RCM or DE5300 will enter release delay as soon as the push pad is pushed (when armed). Setting the nuisance time to 1, 2, or 3 seconds allows the push pad to be pressed for 1 to 3 seconds before the Chexit, RCM or DE5300 goes into release delay. If the nuisance audio and nuisance delay are both on, the internal alarm will pulse during the nuisance delay. The alarm relay does not activate during the nuisance delay. If the push pad is released before the nuisance delay expires, the Chexit, RCM or DE5300 will remain armed.

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Chexit, RCM and DE5300 features (continued)

Rearm delay
The rearm delay is the amount of time after the key switch or inhibit input is deactivated to when the device rearms. It is designed to give someone time to pass through the door before rearming occurs. The rearm time can be changed via the onboard switch settings from 0 and 28 seconds in 2 second increments. If the rearm time is set to 30 seconds and a DPS is used, if the door is opened and the rearm time expires, there will be no alarm. The Chexit, RCM or DE5300 will rearm after the door is closed. If the door never opens, the Chexit, RCM or DE5300 will rearm after 30 seconds. If not using a DPS, the Chexit, RCM or DE5300 will always rearm in 30 seconds.

DPS delay
If the DPS detects that the door closed during the rearm delay, the Chexit, RCM or DE5300 ends the rearm delay and allows 2 seconds for the latch to clear the strike before rearming.

Interface

Key switch
The Key Switch provides the means to Arm or Disarm/Reset the Chexit, RCM or DE5300. Turning the Key Switch clockwise initiates the Rearm Delay, and turning the Key Switch counter-clockwise Disarms/Resets the Chexit, RCM or DE5300. The Key Switch allows the key to be removed in either the Arm or the Disarm/Reset position.

Status indicator
The red Status Indicator displays the status of the Chexit, RCM or DE5300. The Status Indicator flashes slow if the Chexit, RCM or DE5300 is armed, flashes fast in an alarmed mode, is off when inhibited and on solid during Rearm Delay.

Internal alarm
The Internal Alarm sounds the status of the Chexit, RCM or DE5300. The Internal Alarm sounds continuously during and after a fire alarm or a Release Delay, pulses fast during the Nuisance Delay or a tamper and pulses slow during Disarmed Powerup mode.

Settings

Armed powerup
When set to OFF, a power disruption and power return will put the Chexit, RCM or DE5300 in a disarmed, unlocked alarm mode.

Trim fail safe / fail secure (FS/FSE)
The trim input power can be set to FS (Fail Safe; locked when energized, unlocked when deenergized or during power failure) or FSE (Fail Secure; unlocked when energized, locked when deenergized or during power failure).

The trim must be bought or modified to physically function as FS or FSE. This on board setting only selects the trim input power.

Trim operation overview
Rim and vertical application: Trim will not function when Chexit is armed.
Mortise application: Trim will function when Chexit is armed.

Chexit requiring pull side operation

	Mechanical trim	Electric Trim
Rim and vertical	Access control disarms Chexit. Rotate lever to enter.	Access control disarms Chexit and unlocks electric trim. Rotate lever to enter.[1]
Mortise	a) Use key to unlock lever. Rotate lever to enter.[2] b) Use RX996L-M to disarm Chexit. Rotate lever to enter.[3]	Access control disarms Chexit and unlocks electric trim or electric mortise lock. Rotate lever to enter.

1. Fail Secure Trim recommended. For Fail Safe applications, contact technical support to review application.
2. Do not use Door Position Switch with Chexit in this application.
3. Allows free ingress at all times.

Delayed egress

Remote Chexit Module (RCM)

Designed to provide the concept of the Chexit delayed exit system for door sizes smaller than the standard Chexit device can accommodate. The Chexit module is installed in a control box and mounted in a remote location. Features and functions of the standard Chexit exit device are available on the Remote Chexit Module.

RCM Module

Minimum door opening sizes for RCM devices

(Consult factory for other size requirements)

Device	3' (914mm) Length	4' (1219mm) Length
CX-RCM 98/98-F/99/99-F	2'5" (737mm)	2'11" (889mm)
CX-RCM XP98/XP98-F/XP99/XP99-F	2'5" (737mm)	2'11" (889mm)
CX-RCM 9827/9827-F/9927/9927-F	2'4 $^1/_2$" (724mm)	2'10 $^1/_2$" (876mm)
CX-RCM 9847/9847-F/9947/9947-F	2'4 $^1/_2$" (724mm)	2'10 $^1/_2$" (876mm)
CX-RCM 9848/9848-F/9948/9948-F	2'4 $^1/_2$" (724mm)	2'10 $^1/_2$" (876mm)
CX-RCM 9849/9849-F/9949/9949-F	2'4 $^1/_2$" (724mm)	2'10 $^1/_2$" (876mm)
CX-RCM 9850/9850WDC-F/9950/9950WDC-F	2'4 $^1/_2$" (724mm)	2'10 1/2" (876mm)
CX-RCM 9857/9857-F/9957/9957-F	2'4 $^1/_2$" (724mm)	2'10 $^1/_2$" (876mm)
CX-RCM 9875/9875-F/9975/9975-F	2'5 $^1/_2$" (743mm)	2'11 $^1/_2$" (902mm)

Specifications / Power supply requirements*

Size – 3.75" x 5.57" x 2.50"
Input voltage – 24VDC
Input current inrush – 1.25A
Input current holding – 390mA
Alarm relay and Secure relay contact ratings – 24VDC, 1A
Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

*RCM modules built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements.

Note: The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

Cylinder dogging (CD)

Special center case cylinder dogging option is available to allow push/pull operation of the Chexit, when disarmed and used in a heavy traffic area. Prefix device with "CD" and specify handing.

1 $^1/_{16}$" (27 mm) Maximum
X

Cylinders

Cylinders are not furnished with the Chexit device and must be specified when ordering. Use 1 $^1/_4$" mortise cylinder with compression ring 36-083 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Pricebook for additional information.

To order, specify*:

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Delayed egress system

DE5300 system

Designed for controlled egress applications when used in conjunction with a magnetic lock. It meets both life safety and security needs, as well as the requirements of NFPA for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control units, auxiliary locking, local alarm and remote signaling outputs are self-contained in the DE5300 assembly.

DE5300 Module

The DE5300 is commonly used on narrow stile doors where a standard or narrow stile Chexit is not practical. DE5300 Delayed Exit System uses a Chexit logic board and a Von Duprin RX-LC (low current request to exit) panic device to control a Schlage Electronics Direct Hold Magnetic Lock.

The Chexit module for the DE5300 is installed in a control box and mounted in the wall adjacent to the door. Features and functions of the standard Chexit exit device are available on the DE5300.

The DE5300 device includes a 6" x 20" decal for application on door.

"PUSH UNTIL ALARM SOUNDS.
DOOR CAN BE OPENED IN 15 SECONDS"

Cylinders

Cylinders are not furnished with the DE5300 and must be specified when ordering. Use 1 1/4" mortise cylinder with compression ring 36-083 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Pricebook for additional information.

1 1/16" (27 mm) Maximum
X
Standard cam configuration
(Shown with key removed)

Schlage 20-001-114 shown

Specifications / Power supply requirements

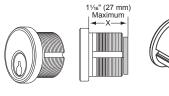| |
|---|
| Size - 3.75" x 5.57" x 2.50" |
| Input voltage — 24VDC |
| Input current — 1A |
| Alarm relay and Secure relay contact ratings — 24VDC, 1A |
| Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts. |

To order, specify:

1. DE5300
2. M420/P, M450/P, or M490/P magnetic lock (order direct from Schlage Electronics).
3. RX-LC 22/33A/35A/98/99 device.
4. PS900 Series
5. EPT-2/10

To fire alarm contact — 2 x 18 AWG
To secure status — 2 x 18 AWG
Remote Alarm — 2 x 18 AWG
2 x 18 — 902, 904, 906, or 914 Power supply — AC input
Junction box
2 x 18 AWG (plus power if required)
5 x 18 AWG
15 x 18 AWG
Magnetic Lock
2 x 18 AWG — EPT2/10
DE5300
RXLC Exit Device
Card Reader

Figure 1. Riser diagram, single door

Electrified options

Switches

Request to exit (RX)

The RX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the push pad. The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply. The RX switch option should not be used to control a load, but as a signalling switch (2 amps resisitive maximum). The RX switch is available in a low current (LC) 50ma max. Most commonly used to signal low-current access control inputs.

To order, specify:
- Standard – use prefix RX, example RX99EO
- Low Current – use prefix RX-LC, example RX-LC98EO

Double request to exit (RX2)

The RX2 feature uses two RX switches.

To order, specify:
- Standard – Use prefix RX2, example RX299EO

Waterproof request to exit (WP-RX)

- Switch rated to IP67 – protected from contact with harmful dust and from immersion in water with a depth of up to 1 meter (3.3 feet) for up to 30 minutes

Note: All in-field electrical connections should be in compliance with IP67 to ensure trouble free operation.

Latch bolt monitoring (LX)

The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The LX switch option should not be used to control a load, but as a signalling switch (2 amps resistive maximum).

The LX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:
- Standard – Use prefix LX, example LX99EO
- Low Current – Use prefix LX-LC, example LX-LC98EO

Electrical rating for all switches:
- Standard – 2 amp maximum @ 24VDC
- Low Current (LC) - below 50 Milliamps @ 24VDC

Note: All switches can be either factory or field installed

Signal switch (SS)

Monitors push pad and latch bolt. The SS feature is used to signal the unauthorized use of an opening. This device is equipped with two internal SPDT switches. One switch monitors both the push pad and the latch bolt assembly, making the latch bolt tamper resistant, for positive security. An additional SPDT switch is connected to the $1\frac{1}{4}$" (32mm) mortise cylinder with straight cam for alarm "bypass." (Schlage cam reference L583-477). The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

Push pad reads: "Emergency Exit ONLY – Push To Open And Sound Alarm." Push pad is only available in US32D finish with red silk-screened lettering.

The SS mortise lock device is furnished with both the signal switch device and the SS7500 mortise lock. The SS7500 mortise lock has the versatility and advantages of the 7500 lock with the addition of signalling functions to monitor latch bolt operation and the trim locking function. The SS7500 mortise lock is supplied standard with the SS mortise lock device.

To order, specify:
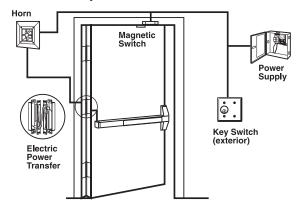- 1. Prefix SS, example SS99L.
- 2. Handing required, LHR or RHR.

Electrical ratings:
- Up to 2.0 amps @ 24VDC

Popular SS application

Unauthorized use of this opening will activate the local horn. The key switch permits inhibiting this system for authorized entry.

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Alarm kit

Alarm kit (ALK) is a simple yet effective way to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal horn. When the touch bar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key thus allowing the exit device to be set in an armed or disarmed mode. The horn is rated at 85 decibels.

For hardware applications
The assembly includes both a 24VDC Input and External Inhibit standard. The External Inhibit provides remote arming and dis-arming.

The key switch uses a standard 1 $^1/_4$" (32mm) mortise cylinder with a straight cam (Schlage 20-001, L583-477 cam). The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal.

Auto reset (AR) option is available with this kit. This kit allows the device to resume the alarm option after a preset time. Preset times can be field selected at 1.5, 3, or 4.5 minutes.

Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the touchpad and is furnished standard. LX optional latch bolt monitoring is recommended for use with surface vertical rod exit devices or when alarm needs to sound from both the exit device and trim side of the door. Specify ALK-LX.

Note: For latch bolt monitoring on a 98/9975 with ALK, specify a SS7500 lock. LX switch not available for 98/9975 devices.

The ALK is available in two styles, 99ALK, grooved cover and 98ALK, smooth cover.

The ALK includes a 6" x 20" decal for application on door "EMERGENCY EXIT ONLY. ALARM WILL SOUND." RSS push bar trim can be used instead of the door decal, specify RSS push bar trim when ordering the device.

When the ALK is used, standard dogging is removed. If cylinder dogging is required, there are two choices. Special center case dogging (SD) is available. Or, as an engineered special, the ALK can be moved to the hinge side of the device, and standard cylinder dogging (CD) can be added. Note size restrictions below.

To order, specify:
1. Standard, 98 ALK
2. Special center case dogging, SD98 ALK
3. Cylinder dogging, CD98 ALK

Minimum door opening sizes on ALK applications

Device	3' (914mm) Length	4' (1219mm) Length
98/98-F/99/99-F	2'10" (864mm)	3'4" (1016mm)
9875/9875-F/9975/9975-F	2'10" (864mm)	3'4" (1016mm)
9827/9827-F/9927/9927-F	2'10" (864mm)	3'4" (1016mm)
9857/9857-F/9957/9957-F	2'10" (864mm)	3'4" (1016mm)
9847/9847-F/9947/9947-F	2'9" (838mm)	3'3" (991mm)
9848/9848-F/9948/9948-F	2'9" (838mm)	3'3" (991mm)

Electrified mortise and electrified trim

The electric mortise lock device has all the versatility and advantages of the standard mortise lock device, plus the advantage of being electrically controlled by a remote switching device, an access control system or an automatic fire alarm system. The device features the E7500 mortise lock. The E7500 controls the locking of the outside trim. When unlocked, the door remains latched, preserving the fire rating of the door and making it particularly useful where codes permit locking but require unlocking during a fire emergency. The outside trim cylinder retracts the latch bolt for mechanical override, night latch function. Only available with TP, K or L functions.

The E7500 lock contains a SPDT signal to monitor the outside trim condition (locked or unlocked) and a second SPDT signal switch to monitor the latch bolt.

Standard features:
- Field reversible handing
- 24 VDC continuous duty solenoid

Optional features:
- Fail safe (locked when energized, unlocked when de-energized or during power failure). Specify with suffix "FS."
- Fail secure (unlocked when energized, locked when de-energized or during power failure). Specify with suffix "FSE"
- 24 VAC (with SO option)*
- 12 VDC
- 12 VAC (with SO option)*

Note: Some Fire codes will require "Fail Safe" (FS) operation for stairwell doors. Be sure to specify the correct operation for your application.

* SO (silence operation) not recommended for continuously-powered devices.

Electrical specifications:
- Solenoid — .60 amps @ 12VDC
  .30 amps @ 24VDC
- Each switch — Up to 2.0 amps @ 24VDC Maximum

The E option does not include the power transfer from door to frame, the power supply or the control operator (Refer to EPT-10 and PS902 or PS914 power supply).

To order, specify:
1. Use prefix "E," example E9975
2. FS or FSE
3. Voltage

Electric mortise lock device
Adaptable for openings where continuous latching is required while the trim may be electrically locked or unlocked from a remote location—stairwells, exterior doors, etc.

Minimum system requirements:
- PS902
- EPT-10 or electric hinge

E996L Electrified lever trim

E996L Electrified lever trim provides remote locking and unlocking. Available in either fail safe (FS) or fail secure (FSE) condition, but can also be field converted where allowed. E996L is furnished standard with cylinder operation for nightlatch (NL) function, or with blank escutcheon (BE).
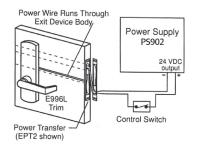
Specification:
Solenoid – 0.6 amps @ 12 VDC, 0.22 amps @ 24 VDC.

To order, specify:
1. Use "E" prefix, example E996L. When ordering with the exit device specify trim series with prefix "E", example 9927L-BE 3' US26D E996.
2. Device type, R/V (rim/surface vertical rod/concealed vertical rod) or M (mortise).
3. RHR furnished standard if not specified, field reversible.
4. Lever style (06 lever furnished standard). Other levers, no extra charge.

RX option
RX option available for 996 trim to monitor lever trim operation (available as L or L-BE). To order, add RX prefix to trim description.

Note: The RX switch option should not be used to control a load, but as a signaling switch only.

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Power supplies

PS900 Series power supplies

The PS900 Series is a consolidated line of power supplies and accessories that offer enhanced flexibility and functionality specific to the changing needs of the access control market. The PS900 Series can be used in a variety of applications to convert high voltage AC power into the regulated low voltage DC outputs required by most access control devices. The PS900 Series protects devices downstream by providing Class 2[1], filtered and regulated power. The full line is UL294 certified.

Features:
- Constant output rating at both 12VDC or 24VDC provides superior performance; includes field selectable jumper
- Flat mounting of option boards provides easier access to terminal blocks for connection of electrified devices
- High voltage protective cover
- Battery back-up board auto-selects voltage
- Fire alarm relay can be configured to provide either switched or un-switched outputs from a power supply
- PS914 designed with high inrush current for powering electrified panic devices
- Universal 120-240 VAC input
- Low voltage DC, regulated and filtered
- Electronic power limiting foldback circuit for AC current overload protection
- Fused primary input
- AC status monitor- isolated SPDT contacts
- AC input and DC output LED status indicators
- Cover mounted AC input indication
- Hinged cover with lock down screws
- Optional keylock

Certifications:
- UL 294 certified—the standard for access control
- Class 2 rated[2]

The PS900 Series offers a variety of distribution options, including basic fuse protection, simple relay, and advanced logic providing complex sequencing and timing functions.

Connectors on the power supply

Product	Schlage PS902	Schlage PS904	Schlage PS906	Von Duprin PS914
Amperage	2 amps	4 amps	6 amps	4 amps with 16 amp inrush
Distribution boards	1	2	3	2
Battery back-up board	1	1	1	1
EL Compatible	No	No	No	Yes

Applications:
The PS900 Series of power supplies works with many electrified devices including Schlage electromagnetic locks, Schlage AD Series hardwired locks, Schlage electrified mechanical locks, Von Duprin electrified strikes, Von Duprin exit devices and many other brands.

Accessories:
The PS900 Series features seven option boards for use in a variety of applications. All PS900 Series power supplies option boards are UL 294 certified.

Option boards:
- **900-4R:** 4 relay controlled output board to power multiple devices
- **900-4RL:** 4 relay distribution board with logic is field configurable for time delay function, auto operator, security interlock
- **900-8F:** Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection
- **900-8P:** Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection
- **900-FA:** Emergency interface relay integrates with fire alarm and is used to cut power in case of emergency[2]
- **900-BB:** Battery backup
- **900-2RS:** 2 relay control board for electric latch panic devices (EL or QEL), electric strikes or electrified trim
- **900-BBK:** Battery backup kit includes two 7A/hr batteries and provides up to four hours of backup power when cycled every 5 minutes at full load

1. PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.
2. Except PS906, output rating exceeds Class 2 power limits.
3. PS906, output rating exceeds Class 2 power limits, but can provide Class 2 rated outputs when used with 900-8P distribution board.

Electrical and pneumatic power transfers

Electrical power transfer (EPT)
Pneumatic transfer (PNT)

Electrical Power Transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideal for installations involving abuse or heavy traffic.

Two models are available; EPT-2, two 18 gauge wires and EPT-10, ten 24 gauge wires. The EPT-2 and EPT-10 are U/L listed as "miscellaneous door accessory". UL Listed for use on fire doors.

Door applications

Degree of opening	Hinge type	Door thickness
0-180	Up to 5" butt hinges	1 $^3/_4$"
0-180	Up to 3/4" offest pivots	1 $^3/_4$"
0-130	5 $^1/_2$" butt hinges	1 $^3/_4$"
0-110	6" butt hinges	1 $^3/_4$"
0-90	Swing clear hinges	1 $^3/_4$"

Finishes
- SP28 (sprayed aluminum)
- SP313 (sprayed duranodic)

Dimensions

Housing	9" x 1 $^1/_4$" x 1 $^5/_8$" (229mm x 32mm x 38mm)
EPT-2	Two 18 gauge wires, Up to 2 amps @ 24VDC, with a 16 amps Maximum Surge
EPT-10	Ten 24 gauge wires, Up to 1 amps @ 24VDC, with a 16 amps Maximum Surge
PNT-1	$^5/_{32}$" Tubing

To order, specify:
1. EPT-2 ,EPT-10 or PNT-1
2. Finish, SP28 or SP313

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Allegion Connect

Allegion Connect features common interconnect components for many cross-category electrified options. Allegion Connect is a quick and easy way to connect power sources. There is no wire cutting; reducing installation and maintenance time ultimately cutting cost. After installation, Allegion Connect continues to provide benefits throughout the lifetime of the opening by offering a service kit for repairs or modifications in the future.

Features and benefits

- Quick: common connections reducing installation time
- Perfect Connections: these factory installed connectors ensure the right wires match up every time
- Protective: the connectors protect the connection points throughout the installation process and lifetime of the opening
- Interchangeable: all Allegion Connect products utilize the same connectors
- Maintenance: you no longer need to cut away wire to disconnect Allegion products, also available is a service kit specifically for Allegion Connect products.

Harness length	Connectors on both ends	Connectors on one end, crimped pins on the other end
6 Inches	CON-6	CON-6P
12 Inches	CON-12	CON-12P
26 Inches	CON-26	CON-26P
32 Inches	CON-32	CON-32P
38 Inches	CON-38	CON-38P
44 Inches	CON-44	CON-44P
50 Inches	CON-50	CON-50P
192 Inches	CON-192	CON-192P

Power supply wire harness = connectors on one end, stripped leads on the other end.

6 Inches	CON-6W - wire extension to power supply

Consult door manufacturer for harness length requirements.

Note: You will need to purchase a separate wiring harness to go from exit device to hinge/EPT and an additional harness to go from hinge/EPT to power supply or access control system. Harness part numbers with ordering information can be located in the Schlage, Von Duprin and Falcon pricebooks. A service kit is available for order in the Schlage, Von Duprin and Falcon pricebooks. Included in this kit are male end plugs, female end plugs and pins to customize harnesses to your application.

Note: Must be ordered with exit devices and locks

To order, specify:
1. Specify CON for Connect electronic options
   Example: QEL-99-EO-CON
   (99 Series quiet electric latch retraction exit only with Connect connectors)
2. Specify harness length; Consult door manufacturer for harness length
3. Specify Von Duprin EPT10-CON or Ives electrical thru-wire hinge

Wire run options

Strikes

Strikes for rim devices
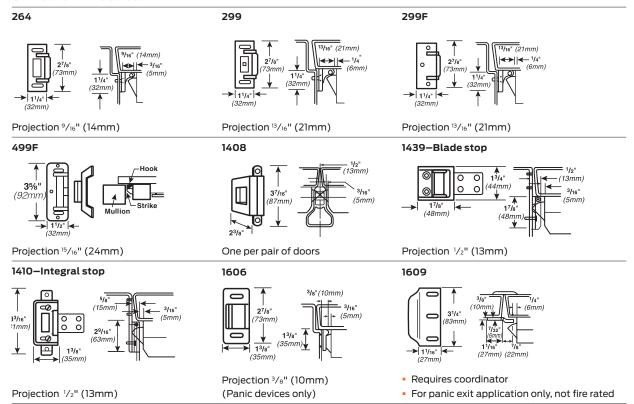
264

Projection ⁹/₁₆" (14mm)

299

Projection ¹³/₁₆" (21mm)

299F

Projection ¹³/₁₆" (21mm)

499F

Projection ¹⁵/₁₆" (24mm)

1408

One per pair of doors

1439—Blade stop

Projection ¹/₂" (13mm)

1410—Integral stop

Projection ¹/₂" (13mm)

1606

Projection ³/₈" (10mm)
(Panic devices only)

1609

- Requires coordinator
- For panic exit application only, not fire rated

XP Strikes for rim devices

909

Projection ¹³/₁₆" (21mm)

954

Projection ⁷/₈" (22mm)
(For fire rated double door applications)
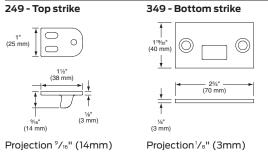
Strikes for vertical cable devices

249 - Top strike

Projection ⁹/₁₆" (14mm)

349 - Bottom strike

Projection ⁷/₈" (3mm)
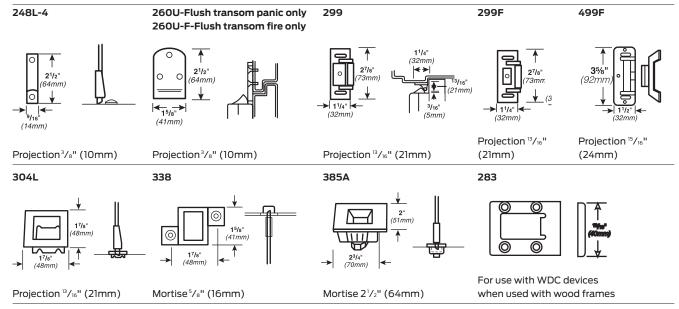
Strikes for 98/9950WDC devices

150

Projection ⁹/₁₆" (14mm)

450

Projection ¹/₈" (3mm)

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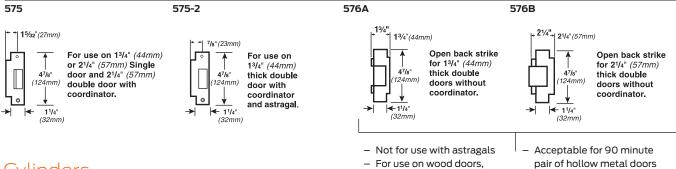
Accessories

Strikes

Strikes for vertical rod devices

248L-4	260U-Flush transom panic only 260U-F-Flush transom fire only	299	299F	499F

Projection $^3/_8$" (10mm)	Projection $^3/_8$" (10mm)	Projection $^{13}/_{16}$" (21mm)	Projection $^{13}/_{16}$" (21mm)	Projection $^{15}/_{16}$" (24mm)

304L	338	385A	283

Projection $^{13}/_{16}$" (21mm)	Mortise $^5/_8$" (16mm)	Mortise $2^1/_2$" (64mm)	For use with WDC devices when used with wood frames

Strikes for mortise lock devices

575	575-2	576A	576B

For use on $1^3/_4$" (44mm) or $2^1/_4$" (57mm) **Single door and $2^1/_4$" (57mm) double door with coordinator.**

For use on $1^3/_4$" (44mm) **thick double door with coordinator and astragal.**

Open back strike for $1^3/_4$" (44mm) thick double doors without coordinator.

Open back strike for $2^1/_4$" (57mm) thick double doors without coordinator.

- Not for use with astragals
- For use on wood doors, contact door manufacturer

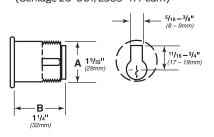- Acceptable for 90 minute pair of hollow metal doors

Cylinders

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

Mortise — 3215
(Schlage 20-001, L583-477 cam)

Dogged (inverted) cam

For CD, CDSI, CI and SD

Undogged cam (standard operations)

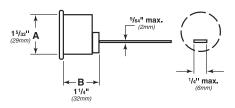For 2, -2SI, ALK, CX, DE5300, RCM, SS and all 98/99 Series mortise cylinder trims and controls

Rim — 3216
(Schlage 20-022)

Door kits

Vertical rod and latch guard (RG-27)
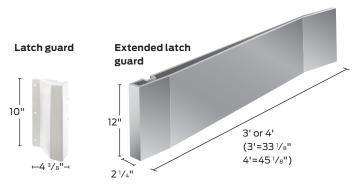
Series RG-27 Vertical rod and latch guards protect the bottom rods of exit devices from the damaging impacts of carts or gurneys passing through doors. (If bottom rods become damaged, the exit device will not function as intended and can jeopardize the ability to exit safely during an emergency.)

In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair. The latch guard portion is 10" high. The standard latch guard features a 45° ramp. The extended latch guard offers a continuous ramp for 3' or 4' doors.

All stainless steel construction in 630 finish. Latch guards can cover latches as large as 1 $\frac{1}{4}$"W x 10"H x 1$\frac{7}{8}$" projection.

36"

Rod guard

Latch guard

10"

4 $\frac{3}{8}$"

Extended latch guard

12"

2 $\frac{1}{4}$"

3' or 4'
(3'=33 $\frac{1}{8}$"
4'=45 $\frac{1}{8}$")

Models

RGO   Rod guard only (projection 1 $\frac{3}{16}$")

RG-27   Rod and latch guard

RG-27-3 3' (914mm) Rod guard and extended latch guard

RG-27-4 4' (1219mm) Rod guard and extended latch guard

LGO   Latch guard only

LGO-3   3' (914mm) Extended latch guard only

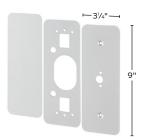LGO-4   4' (1219mm) Extended latch guard only

When using on wood fire doors, high density block is required.

To order, specify:
1. Model number.*
2. Handing (except on RGO).
3. Door material if other than hollow metal.
4. Optional sex bolt mounting available.

* RGO/RG-27 includes one rod guard only, which accommodates bottom or top rod up to 7' door. For longer top rods, specify rod guard quantity required.

997 Cover plate kit

For 98/99 rim device, kit contains inside and outside plates for hinge stile cutouts, an inside plate for the lock stile, and necessary screws. Plates are designed to cover cutouts required by most existing exit device installations. Specify finish.

3$\frac{1}{4}$"

9"

Wood door applications cover plate kit (WDA)

For wood door applications, used to cover up door preparations for control, also prevents the control from boring into the wood door. Finished to match control.

#10WDA Cover plate kit for 370 series controls

7 $\frac{7}{8}$"

2 $\frac{1}{8}$"

Glass bead kit (GBK)

Glass bead conversion kits are available for all 98/99 Series devices for use on doors with raised glass beads. Each kit consists of $\frac{1}{4}$" (6mm) shim sets. GBK for surface vertical rod ships with $\frac{1}{8}$" shims for rod guides.

To order, specify:
1. Device model.
2. GBK.
3. Device type (rim, mortise, surface rod, concealed rod, concealed cable).
4. Wood door (when used with concealed rod or concealed cable device).
5. Specify if using with 499F or 954 strike.
6. Finish.

Example: XP98 GBK Rim 954 SP28

Note: For 330/350 dummy pushbar, order hinge stile shim #971010, quantity 2.

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Sex bolts

Sex bolts provide secure mounting by mating with machine screws furnished with devices. Sex bolts are either optional or required, as shown in quantity chart below. Sex bolts ordered separately are not furnished with screws. If screws are required, order device mounting packages.

To order sex bolts:

1. If ordering devices with sex bolts, specify SNB (sex nuts and bolts) in device description.
2. If ordering sex bolts separately, specify:
   - Sex bolt model number
   - Package quantity (sold as package of 2)
   - Finish

An alternative to sex bolt mounting is the use of UL or WH approved high density blocking material for wood fire-rated doors. Specify device with SLM (special laminate material) mounting package.

325

425

825

Device type	Function	425 Required Included in device price	425 Required Added to device price	425 Optional Added to device price	325 for 499F hook Required Added to device price	325 for 499F hook Optional Added to device price	325 for latches Required Included in device price	825 Required Added to device price
98/99/XP98/XP99 Rim	EO, NL-OP			6				
	DT, K, L, NL, TP, VR, 392, 696/697			2				
98/99/XP98/XP99 Rim-F, single door, metal door	EO, NL-OP			6				
	DT, K, L, NL, TP, VR, 392, 696/697			2				
98/99/XP98/XP99 Rim-F, double door, metal door	EO, NL-OP			6		2		
	DT, K, L, NL, TP, VR, 392, 696/697			2		2		
98/99/XP98/XP99 Rim-F, single door, wood door	EO, NL-OP, 392, 696/697*		6					
	DT, K, L, NL, TP, VR		2					2
98/99/XP98/XP99 RIM-F, double door, wood door	EO, NL-OP, 392, 696/697*		6		2			
	DT, K, L, NL, TP, VR		2		2			2
(HH)98/99/XP98/XP99 Rim panic and fire, single or double metal door	EO, NL-OP, 392, 696/697*		6			2		
	DT, K, L, NL, TP, VR		2			2		
98/9927/57/-F	EO, NL-OP, TL-OP			6			4	
	DT, K, L, NL, TP, TL, VR, 392, 696/697			2			4	2†
98/9927LBR/57LBR	EO, NL-OP, TL-OP			6			2	
	DT, K, L, NL, TP, TL, VR, 392, 696/697			2			2	
98/9927LBR-F, metal door	EO, NL-OP, TL-OP			6		2	2	
	DT, K, L, NL, TP, TL, VR, 392, 696/697			2		2	2	
98/9927LBR-F, wood door	EO, NL-OP, TL-OP			6	2		2	
	DT, K, L, NL, TP, TL, VR, 392, 696/697			2	2		2	
HH98/9927/57/-F	EO, NL-OP, TL-OP, 392, 696/697*		6		2		4	
	DT, K, L, NL, TP, TL, VR		2		2		4	
WS98/9927/57/-F	EO, 392	6					12	
	DT, L, VR	2					12	
98/9947/47WDC /48/49/50/-F, standard or LBR/LBL	EO, NL-OP, TL-OP			6				
	DT, K, L, NL, TP, TL, VR, 392, 696/697			2				
HH98/9947/49/-F	EO, NL-OP, TL-OP, 392, 696/697*		6					
	DT, K, L, NL, TP, TL, VR		2					
98/9952	EO			6				
	L, L-BE			2				
98/9975/-F	EO, NL-OP			6				
	DT, HL, K, L, NL, TP, 392, 696/697			2				
HH98/9975/-F	EO, NL-OP, 392, 696/697*		6					
	DT, HL, K, L, NL, TP		2					

98/99/XP98/XP99 Rim-F, single or double door, SLM blocking	
98/9927/57-F, SLM blocking	No sex bolts, all applications; special laminate material (SLM) blocking mounting package added to price
98/9947WDC/50-F, standard or LBR/LBL, SLM blocking	
98/9975-F, SLM blocking	

* 696/697 must be milled on the back to sit flush against required 425 sex bolts

† These 825 sex bolts are only required for 98/9957-F on fire-rated wood doors with outside trim.

Mullions

Removable steel mullions provide single door performance in double door openings with rim devices. Mullions are easily removed by loosening bottom set screw and removing top fitting cover. The top mullion fitting is attached to the frame and is concealed by the fitting cover.

- Steel mullions are 2" (51mm) wide and 3" (76mm) deep, with a wall thickness of $\frac{1}{8}$" (3mm)

- Mullions are shipped with mounting screws and prepared for strikes (strikes are not included except where indicated)

- Steel mullions are available in SP28 and SP313 finishes (Consult factory for other powder coat finish options)

Keyed removable steel mullions (KR)

KR mullions make removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when re-installed, without the use of the cylinder key. Uses a 1 $\frac{1}{4}$" mortise cylinder with a straight cam (Schlage cam reference L583-477). Cylinders are sold separately. Prefix mullion model with "KR".

Removable aluminum mullions are 1 $\frac{1}{16}$" (27mm) wide on face closest to the door and 2 $\frac{3}{8}$" (60mm) at the widest point. The depth is 3 $\frac{1}{8}$" (79mm) with a wall thickness of $\frac{1}{8}$" (3mm).

Aluminum mullions are available in 606, 612, 628, 710 and 622/711 finishes. Consult factory for other powder coat finish options. Aluminum mullions are not available keyed removable.
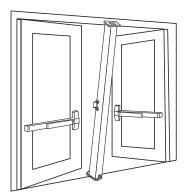
Stock hollow metal applications for devices mounted to cover ANSI 161 cutouts are higher than the standard mullion strike location. Consult the factory for special strike preparation or order a blank mullion. See below.
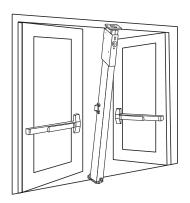
Blank mullions
are furnished without strike preparation. They are used to mount devices at a strike height different from the standard mullion preparation.

To order, specify:
1. For keyed removable option on steel mullions, prefix model number with "KR"
2. Model number
3. Height of opening
4. Finish
5. Handing if required
6. Centerline deviation
   (refer to device template for standard centerline)
7. Strikes, when required, should be ordered with device

Removable mullions

Keyed removable steel mullions

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Steel and aluminum mullions

Steel mullions

1654 Prepared for two 1606 strikes. If 1606 strikes are not specified on the order, two per mullion will be added. Additional charges apply.

4954 Prepared for 264 or 299 strikes. For use with all Von Duprin Panic rim devices.

4954-XP Prepared for two 909 strikes, for XP device.

9954 Prepared for and must be used with two 268 strikes (88-F device), or two 499F (22-F, 98-F, 99-F devices). UL fire labeled mullion for up to 3 hour opening using Von Duprin fire exit rim devices. This mullion is not easily removed due to special fittings. 98-F and 99-F devices are rated up to 10'0" (3048 mm).

9954-XP Prepared for two 954 strikes, for XP device.

HH9954 Heavy-duty mullion for use in impact-rated hurricane assembly.

Note: If 268 or 499F strikes are not specified on the order, two per mullion will be added. Additional charges apply.

4754 Prepared for two 4263 monitor strikes.

4854 Prepared for one 299 and one 6111 electric strike. Indicate handing for electric strike.

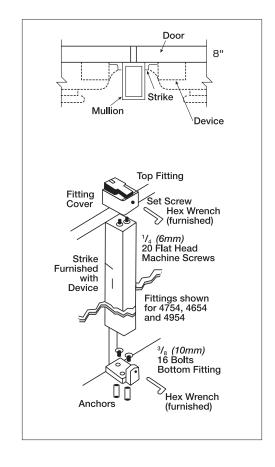**9854** Prepared for one 268 or 499F strike and one 6111 electric strike. Indicate handing for electric strike. UL fire labelled mullion for up to 3 hour openings up to 8' x 8' (2438mm x 2438mm) using Von Duprin fire exit rim devices
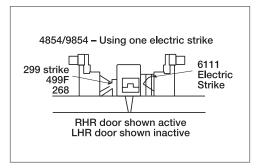
Aluminum mullions

5654 Prepared for two 299 strikes.

5654-XP Prepared for two 909 strikes, for XP device.

5754 Prepared for 1408 double strike.

UL Listing for fire exit hardware

UL Listed fire exit hardware label and opening size

Exit device	Door material	Single door	Double door						
			With 9954 mullion	With 9854 mullion	With KR9954 mullion	With KR9854 mullion	V x V same direction	V x Mortise same direction	V x V double egress
98-F 99-F	Metal, composite (wood or plastic covered)	3 Hour 4' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 8'"	3 Hour 8' x 8'	—	—	—
98-F/99-F with 1439 Strike	Metal, composite (wood or plastic covered)	3 Hour 4' x 8'	—	—	—	—	—	—	—
XP98-F XP99-F	Metal, composite (wood or plastic covered)	3 Hour 4' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 8'	3 Hour 8' x 8'	—	—	—
9827-F 9927-F	Metal	—	—	—	—	—	3 Hour[1] 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9827LBR-F 9927LBR-F	Metal	—	—	—	—	—	3 Hour[1] 8' x 10'	—	3 Hour 8' x 10'
9847-F 9947-F	Metal	—	—	—	—	—	3 Hour[1] 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9847LBR-F 9947LBR-F	Metal	—	—	—	—	—	3 Hour[1] 8' x 9'	—	3 Hour 8' x 9'
9847WDC-F 9947WDC-F	Composite (wood or plastic covered)	—	—	—	—	—	90 Min[1] 8' x 9'3"	90 Min[1] 8' x 9'3"	90 Min[1] 8' x 9'3"
9847WDC-LBR-F 9947WDC-LBR-F	Composite (wood or plastic covered)	—	—	—	—	—	90 Min[1] 8' x 9'3"	90 Min[1] 8' x 9'3"	90 Min[1] 8' x 9'3"
9847WDC-LBR-F[1] 9947WDC-LBR-F[1]	Wood core	—	—	—	—	—	20 Min no hose 8' x 9'3"	20 Min no hose 8' x 9'3"	20 Min no hose 8' x 9'3"
9848-F 9948-F	Metal	—	—	—	—	—	3 Hour[1] 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9849-F 9949-F	Metal	—	—	—	—	—	3 Hour[1] 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9849LBL-F 9949LBL-F	Metal	—	—	—	—	—	3 Hour[1] 8' x 10'	—	3 Hour 8' x 10'
9850WDC-F 9950WDC-F	Composite (wood or plastic covered)	—	—	—	—	—	90 Min w/ edge wrap 1 Hour w/o edge wrap 8' x 8'	—	—
9850WDC-LBL-F 9950WDC-LBL-F	Composite (wood or plastic covered)	—	—	—	—	—	20 min with or without edge wrap, no hose 8' x 8'	—	—
9857-F 9957-F	Metal	3 Hour 4' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 8'	3 Hour 8' x 8'	—	—	—
9857-F/9957-F with 1439 Strike	Metal	3 Hour 4' x 8'							
9875-F 9975-F	Metal	3 Hour 4' x 10'	—	—	—	—	—	3 Hour 8' x 10'	—
WS9827-F WS9927-F	Metal	—	—	—	—	—	3 Hour[1] 8' x 8'	3 Hour 8' x 8'	3 Hour 8' x 8'
WS9857-F WS9957-F	Metal	3 Hour 4' x 8'	—	—	—	—	—	—	—

1. Not listed for Canada.
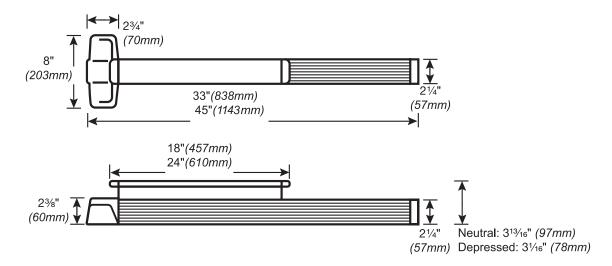
Note: Overlapping astragal may not be used on pairs swinging same direction with vertical rods or cables on both pairs. Check with door manufacturers to confirm listing compatibility.

Function, grade and type options

ANSI Function, grade and type

Function	Grade 1, type 1	Grade 1, type 2	Grade 1, type 3	Grade 1, type 7	Grade 1, type 7	Grade 1, type 8	Grade 1, type 8	Grade 1, type 8	Grade 1, type 9
1	98EO/-F 99EO/-F	9827EO/-F 9927EO/-F	9875EO/-F 9975EO/-F	9847WDCEO/-F 9947WDCEO/-F	9850WDCEO/-F 9950WDCEO/-F	9847EO/-F 9947EO/-F	9848EO/-F 9948EO/-F	9849EO/-F 9949EO/-F	9857EO/-F 9957EO/-F
2	98DT 99DT	9827DT 9927DT	9875DT 9975DT	9847WDCDT 9947WDCDT	9850WDCDT 9950WDCDT	9847DT 9947DT	9848DT 9948DT	9849DT 9949DT	9857DT 9957DT
3	98NL/-F 99NL/-F	9827NL/-F 9927NL/-F	9875NL/-F 9975NL/-F	9847WDCNL/-F 9947WDCNL/-F	9850WDCNL/-F 9950WDCNL/-F	9847NL/-F 9947NL/-F	9848NL/-F 9948NL/-F	9849NL/-F 9949NL/-F	9857NL/-F 9957NL/-F
3	98K-NL/-F 99K-NL/-F	9827K-NL/-F 9927K-NL/-F	9875K-NL/-F 9975K-NL/-F	9847WDCK-NL/-F 9947WDCK-NL/-F	9850WDCK-NL/-F 9950WDCK-NL/-F	9847K-NL/-F 9947K-NL/-F	9848K-NL/-F 9948K-NL/-F	9849K-NL/-F 9949K-NL/-F	9857K-NL/-F 9957K-NL/-F
3	98L-NL/-F 99L-NL/-F	9827L-NL/-F 9927L-NL/-F	9875L-NL/-F 9975L-NL/-F	9847WDCL-NL/-F 9947WDCL-NL/-F	9850WDCL-NL/-F 9950WDCL-NL/-F	9847L-NL/-F 9947L-NL/-F	9848L-NL/-F 9948L-NL/-F	9849L-NL/-F 9949L-NL/-F	9857L-NL/-F 9957L-NL/-F
5	98TP/-F 99TP/-F	9827TP/-F 9927TP/-F	9875TP/-F 9975TP/-F	9847WDCTP/-F 9947WDCTP/-F	9850WDCTP/-F 9950WDCTP/-F	9847TP/-F 9947TP/-F	9848TP/-F 9948TP/-F	9849TP/-F 9949TP/-F	9857TP/-F 9957TP/-F
7	98TP-2/-F 99TP-2/-F		9875TP-2/-F 9975TP-2/-F						
8	98K/-F 99K/-F	9827K/-F 9927K/-F	9875K/-F 9975K/-F	9847WDCK/-F 9947WDCK/-F	9850WDCK/-F 9950WDCK/-F	9847K/-F 9947K/-F	9848K/-F 9948K/-F	9849K/-F 9949K/-F	9857K/-F 9957K/-F
8	98L/-F 99L/-F	9827L/-F 9927L/-F	9875L/-F 9975L/-F	9847WDCL/-F 9947WDCL/-F	9850WDCL/-F 9950WDCL/-F	9847L/-F 9947L/-F	9848L/-F 9948L/-F	9849L/-F 9949L/-F	9857L & F 9957L/-F
10	98K-2 /-F 99K-2/-F		9875K-2/-F 9975K-2/-F						
10	98L-2/-F 99L-2/-F		9875L-2/-F 9975L-2/-F						
11/12		9827TL/-F 9927TL/-F		9847WDC/-F 9947WDC/-F	9850WDC/-F 9950WDC/-F	9847TL/-F 9947TL/-F	9848/-F 9948/-F	9849/-F 9949/-F	9857TL/-F 9957TL/-F
14	98K-BE/-F 99K-BE/-F	9827K-BE/-F 9927K-BE/-F	9875K-BE/-F 9975K-BE/-F	9847WDCK-BE/-F 9947WDCK-BE/-F	9850WDCK-BE/-F 9950WDCK-BE/-F	9847K-BE/-F 9947K-BE/-F	9848K-BE/-F 9948K-BE/-F	9849K-BE/-F 9949K-BE/-F	9857K-BE/-F 9957K-BE/-F
14	98L-BE/-F 99L-BE/-F	9827L-BE/-F 9927L-BE/-F	9875L-BE/-F 9975L-BE/-F	9847WDCL-BE/-F 9947WDCL-BE/-F	9850WDCL-BE/-F 9950WDCL-BE/-F	9847L-BE/-F 9947L-BE/-F	9848L-BE/-F 9948L-BE/-F	9849L-BE/-F 9949L-BE/-F	9857L-BE/-F 9957L-BE/-F
16		9827TL-BE/-F 9927TL-BE/-F		9847WDC/-F 9947WDC/-F	9850WDC/-F 9950WDC/-F	9847TL-BE/-F 9947TL-BE/-F	9848/-F 9948/-F	9849/-F 9949/-F	9857TL-BE/-F 9957TL-BE/-F

Dimensions
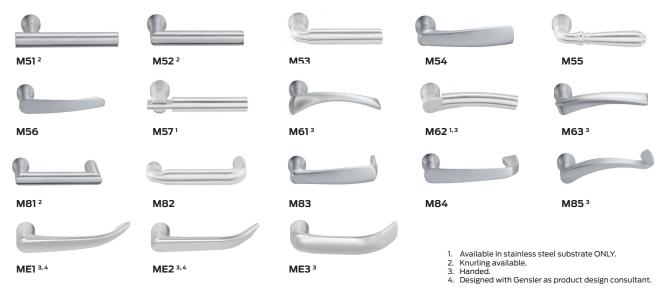
2¾" (70mm)
8" (203mm)
33"(838mm)
45"(1143mm)
2¼" (57mm)

18"(457mm)
24"(610mm)
2⅜" (60mm)
2¼" (57mm)
Neutral: 3¹³⁄₁₆" (97mm)
Depressed: 3¹⁄₁₆" (78mm)

Introduction
How to order
Device types
Trim options
Mechanical options
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Additional information

Stile information

Device type	Standard single door Strike	Standard single door Trim/stile 990/996	696/697	Standard double door Strike w/mullion*	Standard double door Trim/Stile 990/996	696/697	Optional single door Strike	Optional single door Trim/stile 990/996	696/697	Optional double door Strike w/mullion*	Optional double door Trim/Stile 990/996	696/697
98/99	299	4 1/2" (114mm)	4 3/8" (111mm)	299 x 4954	4 7/8" (124mm)	4 3/4" (121mm)	1439 or 1410	3 13/16" (97mm)	3 13/16" (97mm)	299 x 5654	4 7/16" (113mm)	4 1/4" (108mm)
										1408 x 5754	3 13/16" (97mm)	3 13/16" (97mm)
							1606	4 1/16" (103mm)	3 15/16" (100mm)	1606 x 1654	4 3/8" (112mm)	4 1/4" (108mm)
XP 98/99	909			909 x 4954-XP			—	—	—	—	—	—
98-F/99-F	299F	4 1/2" (114mm)	4 3/8" (111mm)	499F x 9954	4 7/8" (124mm)	4 3/4" (121mm)	—	—	—	499F x 9854 KR9954	—	—
XP98-F/ XP99-F	909			954 x 9954-XP			—	—	—	—	—	—
9875 9975	575	4 3/4" (121mm)	4 3/4" (121mm)	575-2	—	—	—	—	—	576A-576B	4 3/4" (121mm)	4 3/4" (121mm)
9875-F 9975-F	575			575-2	—	—	—	—	—	576A-576B	4 3/4" (121mm)	4 3/4" (121mm)
9857 9957	299 (Top) 299 (Middle) 304L/248L-4 (Bottom)	4 1/2" (114mm)	4 3/8" (111mm)	299 x 4954	4 7/8" (124mm)	4 3/4" (121mm)	1439 or 1410	3 13/16" (97mm)	3 13/16" (97mm)	299 x 5654	4 7/16" (113mm)	4 1/4" (108mm)
										1408 x 5754	3 13/16" (97mm)	3 13/16" (97mm)
							1606	4 1/16" (103mm)	3 15/16" (100mm)	1606 x 1654	4 3/8" (112mm)	4 1/4" (108mm)
9857-F 9957-F	299F* (Top) 299F (Middle) 304L (Bottom)	4 1/2" (114mm)	4 3/8" (111mm)	299F 499F x 9954 304L	4 7/8" (124mm)	4 3/4" (121mm)	—	—	—	—	—	—

	Strike	Optional strike	Application	Trim/stile 990/996	696/697
9827 9927 Latch retraction	299 (Top) 304L/248L-4 (Bottom)	260U (Top) 385A (Bottom)	Single door	3 11/16" (94mm)	3 5/8" (92mm)
PL9827/PL9927 Pullman latch	299 (Top) 304L/248L-4 (Bottom)		Two vertical rod devices	3 11/16" (94mm)	3 5/8" (92mm)
9827-F 9927-F	299F* (Top) 304L (Bottom)	260U (Stainless) 385A (Bottom)			
9847 9947 9848 9948	338 (Top) 385A (Bottom)	304L (Bottom)	Vertical rod with Mortise lock device	4 3/4" (121mm)	4 3/4" (121mm)
9847-F 9947-F 9848-F 9948-F	338 (Top) 385A (Bottom)	304L (Bottom)	Two vertical rods	4 1/4" (108mm)	4 1/8" (105mm)
			Vertical rod with Mortise lock device	4 3/4" (121mm)	4 3/4" (121mm)
9847WDC 9947WDC	338 (Top) 385A (Bottom)	304L (Bottom)	Single door	4 1/4" (108mm)	4 1/4" (108mm)
			Two vertical rod devices	4 1/4" (108mm)	4 1/4" (108mm)
9847WDC-F 9947WDC-F	338 (Top) 385A (Bottom)	304L (Bottom)	Two vertical rod devices	4 1/4" (108mm)	4 1/4" (108mm)
9849 9949 9849 9949	249 (Top) 349 (Bottom)	—	Vertical cable with Mortise lock device	4 3/4" (121mm)	4 3/4" (121mm)
9849-F 9949-F 9849-F 9949-F	249 (Top) 349 (Bottom)	—	Two vertical cable	4 1/4" (108mm)	4 1/8" (105mm)
			Vertical cable with Mortise lock device	4 3/4" (121mm)	4 3/4" (121mm)
9850WDC 9950WDC	150 (Top) 450 (Bottom)	—	Single door	4 3/4" (121mm)	4 3/4" (121mm)
			Two vertical Cable devices	4 3/4" (121mm)	4 3/4" (121mm)
9850WDC-F 9950WDC-F	150 (Top) 450 (Bottom)	—	Two Vertical Cable Devices	4 3/4" (121mm)	4 3/4" (121mm)

*499F strike is the top strike for LBR applications.

Lever styles and finishes

Decorative levers

M51 [2] **M52** [2] **M53** **M54** **M55**

M56 **M57** [1] **M61** [3] **M62** [1, 3] **M63** [3]

M81 [2] **M82** **M83** **M84** **M85** [3]

ME1 [3, 4] **ME2** [3, 4] **ME3** [3]

1. Available in stainless steel substrate ONLY.
2. Knurling available.
3. Handed.
4. Designed with Gensler as product design consultant.

Standard levers

01 **02** [2] **03** [1, 2] **05** **06** [1] (Default lever)

07 **12** [3] **16** - Omega **17** [1, 2] **18**

ACC - Accent [3] **AST** - Asti [3] **MER** - Merano [3] **LAT** [1] - Latitude **LON** [1] - Longitude

1. Available in Stainless Steel - specify SS when ordering.
2. Knurling available.
3. Handed.

Finish options*						
Color	Bright Brass	Satin Brass	Satin Bronze	Satin Nickel	Matte Black/ Anodized	Bright Chrome
ANSI/BHMA number	605	606	612	619	622/711	625

Finish options*						
Color	Satin Chrome	Aluminum, anodized	Satin Stainless	Aged Bronze	Black Paint	Dark Brown, Anodized
ANSI/BHMA number	626/626AM†	628	630/630AM†	643e	693	710

* Durable powder coated finishes available at special request. Please contact factory.
† AM = Antimicrobial

Device finish options

- A. Center case cover
- B. Touch bar end cap
- C. Touch bar trim
- D. Cover plate
- E. Mechanism end cap
- F. Mechanism case

Finishes

Color	BHMA number	A, B, E	C	D and F
Bright brass	605	Bright brass	Bright brass, 605	Buffed anodized
Satin brass	606	Satin brass	Satin brass, 606	Anodized
Satin bronze	612	Plated	Satin bronze, 612	Anodized
Satin bronze, oil-rubbed	613	Oil rubbed bronze	Oil rubbed bronze, 613	Powder coat
Bright chrome	625	Plated	Bright stainless steel, 629	Buffed anodized
Satin chrome	626	Plated	Satin stainless steel, 630	Anodized
Satin stainless steel*	630	Stainless steel	Satin stainless steel, 630	Anodized
Aluminum, anodized	628	Powder coat	Satin stainless steel, 630	Anodized
Duranodic dark bronze	710	Powder coat	Powder coat	Powder coat
Black	622	Powder coat	Powder coat	Powder coat
Aged bronze	643e	Relieved aged bronze	Relieved aged bronze	Aged bronze, no relief
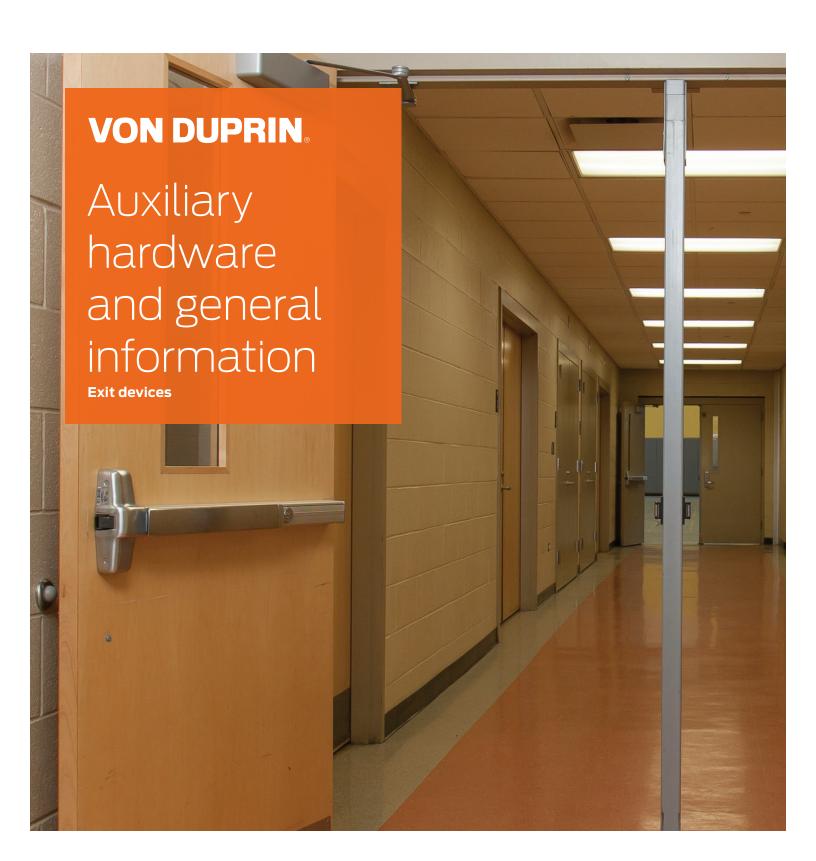
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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had $2.7 billion in revenue in 2020, and its security products are sold around the world.

For more, visit **www.allegion.com**

KRYPTONITE ■ **LCN** ■ **SCHLAGE** ■ **STEELCRAFT** ■ **VON DUPRIN**

ALLEGION

VON DUPRIN®

Auxiliary hardware and general information

Exit devices

Introduction

Von Duprin's exit devices offer durable solutions that are proven in the field to perform under heavy use and abuse and backed by a team of experts experienced in door hardware application and code compliance. Allegion stands behind every Von Duprin product we make with unparalleled customer support thanks to our team of experts based in the U.S. that average more than 15 years of experience, so you are assured to receive expert advice.

About Von Duprin

The disastrous Iroquois Theater fire in Chicago happened in 1903. Carl Prinzler, Manager of the Vonnegut Hardware Company Builders Hardware Department, was scheduled to be at the matinee, featuring Eddie Foy, but other matters prevailed and he was spared. Five hundred ninety people died, mainly because the theater doors opened inward.

Prinzler spent the next five years working with Henry Dupont, an architectural engineer, developing hardware to preclude a similar horror. Together they fashioned a lever that kept doors locked on the outside, yet unlocked from the inside. The pivotal element was the crossbar which opened the door outward once any part of the body touched it.

That was 1908. Since that time, Von Duprin has been instrumental in transforming fire and panic exit hardware into sleek, attractive products available in a wide range of styles, functions and finishes.

Thorough and continuous research by Von Duprin has resulted in a parade of improvements and enhancements that has earned it the reputation of being the "R & D Department for the entire industry."

- Von Duprin was first to use drop forgings.
- Von Duprin was first with a special threshold, the Latch-Track.
- Von Duprin developed the first reversible exit device, the 88 rim type device.
- Von Duprin introduced the first extruded aluminum mullion.
- Von Duprin was first to market a concealed vertical rod device for metal doors.
- Von Duprin was first to market a concealed vertical rod device for wood doors.
- Von Duprin was the first to have a line of narrow stile devices, the type NC.
- Von Duprin produced the first stainless steel line of devices, the type 66 series.
- Von Duprin was the first with a line of pushpad devices, the type 33 series.
- Von Duprin was the first with electric locking and unlocking, the type E device.
- Von Duprin was the first with self contained delayed exit, CHEXIT®

In addition, during the 1920's Von Duprin developed the type Q device, which was approved by Underwriter's Laboratories, Inc., for three hour fire rated doors. Subsequently, Von Duprin has successfully tested the industry's most complete line of Fire Exit Hardware.

Along with these impressive developments, we are proud of our record of manufacturing quality products that give years and years of solid dependable service with minimum maintenance. While it is satisfying to reflect on these accomplishments, it is even more significant that Von Duprin has the purpose and the spirit to continue to lead the fire and life safety industry in providing "THE SAFE WAY OUT!"

How the name "VON DUPRIN" originated: VON (Vonnegut Hardware Company), DU (DuPont), the architectural engineer, who helped PRIN (Prinzler) develop the first Von Duprin exit device.

UL listings

Most Von Duprin exit devices are UL Listed for Panic Hardware or Fire Exit Hardware, and are tested in accordance to ANSI A156.3, 2008, Grade 1.

UL listed panic hardware

To be UL listed a device must pass rigorous tests to prove it is mechanically sound and reliable. One test puts the device through 100,000 controlled open and close cycles. In another, the activating mechanism is required to operate with 50 pounds of pressure or less when 250 pounds of pressure is applied to the door in the direction of the swing.

Fire exit hardware

To carry the UL Label for Fire Exit Hardware, a device first must meet the Accident Hazard requirements. Secondly, the device must pass the burn test to prove that it can hold fire doors closed for up to a three hour period in temperatures over 1900ºF. Immediately after burning, a fire hose with approximately 45 lbs. PSI pressure at the nozzle puts stress on the opening as a final test of the hardware's ability to hold the doors closed.

VON DUPRIN
Administrative offices
2720 Tobey Dr.
Indianapolis, IN 46219

Customer service
877-671-7011
800-999-0328 - Fax

Technical support
877-671-7011

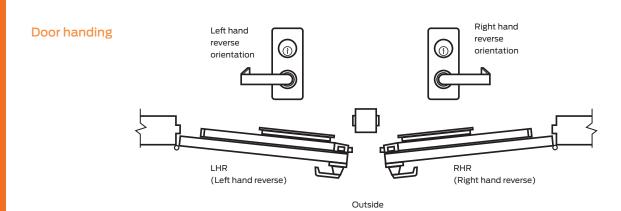**Table of contents**

Symbols

🔥 Indicates fire rated application

ANSI Functions for exit hardware

A variety of ANSI functions are offered with each series. Each device section of the catalog contains a chart showing the ANSI types and functions available in the series.

Function	
01	Exit only, no trim
02	Entrance by trim when actuating bar is locked down.
03	Entrance by trim when latch bolt is retracted by key. Key removable only when locked.
04	Entrance by trim when latch bolt is retracted by key or set in a retracted position by key.
05	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
06	Entrance by thumbpiece only when released by key. Key removable only when locked.
07	Entrance by thumbpiece. Inside key locks or unlocks thumbpiece. Outside key retracts latch.
08	Entrance by knob or lever. Key locks or unlocks knob.
09	Entrance by knob or lever only when released by key. Key removable only when locked.
10	Entrance by knob or lever. Inside key locks or unlocks knob. Outside key retracts latch.
11	Entrance by control turn piece. Key locks or unlocks control.
12	Entrance by control turn piece only released by turning key. Key removable only when locked.

Door handing

Left hand reverse orientation

Right hand reverse orientation

LHR
(Left hand reverse)

RHR
(Right hand reverse)

Outside

Through bolts

Through Bolts when ordered with devices may be furnished with screw lengths different than shown in Column B. On page 7, Column B indicates popular sizes. Through Bolts ordered separately are not furnished with screws. If screws are required, order device mounting packages. Other screw lengths may be used based on minimum and maximum allowable thread engagement, shown in column "C." Quantity required — refer to device section, quantities differ depending on outside trim.

425 through bolts are required for 22/88/98/99 series fire rated devices when used on wood door applications. When wood doors are specified for these devices, through bolts will be added to the device application unless SLM blocking package is specified.
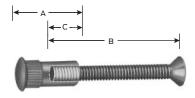
825 through bolts are required with 98-F/99-F rim devices on wood door applications using EO, NL, TP, K and L outside trims. Two 825 through bolts will be added to the device application unless SLM blocking package is specified.

To order, specify
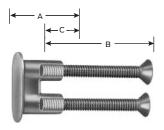
1. Model number
2. Quantity (2 per package)
3. Finish
4. Door thickness other than 1³/₄" (44mm).

325,425,625A & 625B

525

325

425

625A

625B

825A, 825B

Refer to page 7 for A, B and C lengths

Cover plates

229 Kit

(For 22 Rim device)

Kit contains inside and outside plates for hinge stile cutouts, an inside plate for the the lock stile, and necessary screws. Plates are designed to cover cutouts required by most existing exit device installations.

882 Kit

(For 88 Rim device)

For use to cover mortise lock or discontinued device cut-outs.

997 Kit

(For 98/99 Rim Device)

Kit contains inside and outside plates for hinge stile cutouts, an inside plate for lock stile, and necessary screws. Plates are designed to cover cutouts required by most existing exit device installations.

887 Kit

(For 88 Rim devices)

For use with rim/vertical device combinations on pairs of doors with ANSI cut-out. The 88 rim device backset is increased and exposes the 161 cutout when used with an 8827.

589 Kit

(For 5575 device)
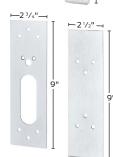
Kit contains plates for the lock stile and hinge side of the device, and necessary screws. Plates are designed to mount to device on wood door applications. The mortise lock cut-out interferes with device mounting. Specify door thickness other than 1³⁄₄" (44mm).

888 Kit

(For 8875 or 8827 Devices)

For use on doors with ANSI 161 cutouts. Device center case will not cover stock cutout.

889 Kit

(For 373L Control)

Required when 373L controls are used in through bolt applications. Four studs on cover plate allow through bolting to the device center case **Note:** through bolts must be used on wood or composite fire doors. Specify device type R, M, or V.

998 Kit

(For 994L Trim)

For use with 994 lever trim to cover existing 992 lever trim cut-out.

#10 WDA Kit

(For 370 Series controls)

For wood door applications, used to cover up door preparations for control, also prevents the control from boring into the wood door. Finished to match control.

33A WDA Kit

(For 360 Series controls)

For wood door applications to cover up door preparations for control, also prevents the control from boring into the wood door. Finished to match control.

To order, specify:

1. Kit number
2. Finish
3. Door thickness other than 1³⁄₄" (589 kit only)
4. Device type (889 kit only)

Dog keys

222 Dog key (old style)
⁷⁄₃₂" (6mm) hex

2³⁄₁₆" (56mm)

227 Dog key (standard)
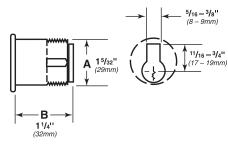⁵⁄₃₂" (4mm) hex

2³⁄₄" (70mm)

Cylinders

Cylinders

Cylinders are not furnished with device or trim and must be specified when ordering. Refer to exit device catalogs for cylinder requirements.
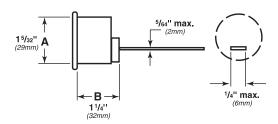
Mortise — 3215 (Schlage 20-001, L583-477 cam)

Rim — 3216 (Schlage 20-022)

Glass bead kit – GBK

Glass bead conversion kits are available for push pad devices for use on doors with raised glass beads. Each kit consists of 1/4" (6mm) shim sets. GBK for surface vertical rod also ships with 1/8" shims for rod guides.
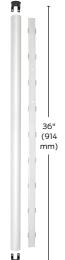
To order, specify:

1. Device model.
2. GBK.
3. Device type (rim, mortise, surface rod, concealed rod, concealed cable).
4. Wood door (when used with concealed rod or concealed cable device).
5. Specify if using with 499F or 954 strike.
6. Finish.

Example: XP98 GBK Rim 954 SP28.

Note: For 330/350 dummy pushbar, order hinge stile shim #971010, quantity 2.

RG-27 Vertical rod and latch guard
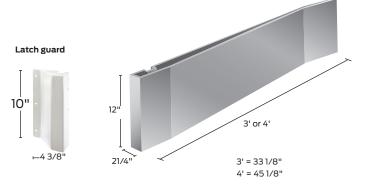
RG-27 Series vertical rod and latch guards protect the bottom rods of exit devices from the damaging impacts of carts or gurneys passing through doors. (If bottom rods become damaged, the exit device will not function as intended and can jeopardize the ability to exit safely during an emergency.)

In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair. The latch guard portion is 10" high. The standard latch guard features a 45° ramp. The extended latch guard offers a continuous ramp in 3' or 4' widths.

All stainless steel construction in 630 finish. Latch guards can cover latches as large as 1 1/4"W x 10"H x 1 7/8" projection.

Rod guard

Latch guard

Models

RGO	Rod guard only (Projection 1 3/16")
RG-27	Rod and latch guard
RG-27-3	3' (914 mm) Rod guard and extended latch guard
RG-27-4	4' (1219 mm) Rod guard and extended latch guard
LGO	Latch guard only
LGO-3	3' (914 mm) Extended latch guard only
LGO-4	4' (1219 mm) Extended latch guard only

Note: Not for use on wood fire doors, except with SLM (special laminate material) blocking.

To order, specify:

1. Model number.*
2. Handing (except on RGO).
3. Door material if other than Hollow Metal.
4. Optional through bolt mounting available.

Note: RGO/RG-27 includes one rod guard only, which accommodates bottom or top rod up to 7' door. For longer top rods, specify rod guard quantity required.

237 Two point latch

Series 237 Two point latch

Series 237 Two point latch assembly is ideal for spaces where occupancy does not require panic or fire exit hardware. This product is a perfect solution for many applications in schools, health care facilities, offices, and government facilities — regardless if the doors are inswing or outswing. It can be used on the inactive leaf of a pair of doors with a lockset or both leaves of a pair. It features a top soffit latch and ratchet release for long service life and dependability. Locking handles in many different configurations provide versatility to meet different customer needs.

Engineered to withstand severe weather conditions, the 237 series is also ideal for community shelters and safe rooms in accordance with FEMA 320 and 361 guidelines.

Specifications compliance

I. UL listings:
    Two- and Three-point Locks and Latches (for use on Fire Doors) — UL 10 C
    · Rating: 3HR Pairs (Double Egress)
    · 90 Min. Pairs (Swing Same Direction)
    · Door Size: 8'0" X 8'0" Pairs (Hollow Metal Only)

II. Windstorm ratings:
    A. UL – FEMA 320 and 361 certified:
       i. 4'0" X 8'0" Single Doors (Non-fire-rated) Hollow Metal
       ii. 8'0" X 8'0" Pairs Hollow Metal
    B. UL–ANSI/ICC 500 certified for F5 Tornado applications

These products are listed with Steelcraft PW14 Series door for Tornado Listings

Plunger release bracket

Soffit latch assembly

Bottom bolt guide

304L strike

Furnished standard with one lever control assembly with mounting plate for the push side. This lever operation is always unlocked (L-BE). A second control lever can be ordered separately for the pull side, either model 378L–BE (always unlocked) or model 378L (with cylinder locking). Cylinders not included.

Lever operation meets all ADA requirements.
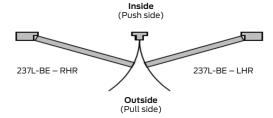
To order, specify:

1. Model number 237L-BE.
2. Optional second control, 378L or 378L-BE.
3. Handing (see charts below).
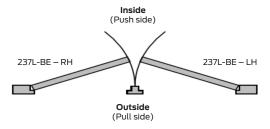4. Finish.

Optional lever styles are available

#03

#06
(standard)

#17

Handing – how to order

Outswing door application

Inside
(Push side)

237L-BE – RHR   237L-BE – LHR

Outside
(Pull side)

Inswing door application

Inside
(Push side)

237L-BE – RH   237L-BE – LH

Outside
(Pull side)

NOTE: For inswing door applications that require locking on the push side, consult factory. Outswing door will be assumed if not specified.

Mullions

Mullions

Removable steel mullions Mullions provide single door performance in double door openings with rim devices. Mullions are easily removed by loosening bottom set screw and removing top fitting cover. The top mullion fitting is attached to the frame and is concealed by the fitting cover.

Steel mullions are 2" (51mm) wide and 3" (76mm) deep, with a wall thickness of $\frac{1}{8}$" (3mm).

Mullions are shipped with mounting screws and prepared for strikes. Strikes are not included except where indicated.

Steel mullions are available in SP28 and SP313 finishes. Consult factory for other powder coat finish options.

KR – Keyed removable steel mullions make removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when re-installed, without use of the cylinder key. Uses a $1\frac{1}{4}$" mortise cylinder with a straight cam (Schlage cam reference L583-477). Cylinders are sold separately. Prefix mullion model with "KR".

Removable aluminum mullions are $1\frac{1}{16}$" (27mm) wide on face closest to the door and $2\frac{3}{8}$" (60mm) at the widest point. The depth is $3\frac{1}{8}$" (79mm) with a wall thickness of $\frac{1}{8}$" (3mm).

Aluminum mullions are available in 606, 612, 628, 710 and 622/711 finishes. Consult factory for other powder coat finish options.
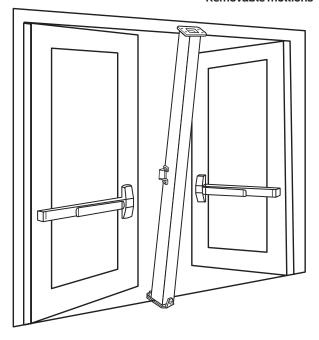
Stock Hollow Metal Applications for devices mounted to cover ANSI 161 cutouts are higher than the standard mullion strike location. Consult the factory for special strike preparation or order a blank mullion. See below.

Blank Mullions are furnished without strike preparation. They are used to mount devices at a strike height different from the standard mullion preparation.
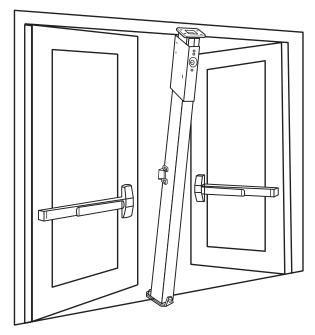
To order, specify:

1. For keyed removable option on steel mullions, prefix model number with "KR"
2. Model number.
3. Height of opening
4. Finish
5. Handing if required.
6. Centerline deviation (refer to device template for standard centerline).
7. Strikes, when required, should be ordered with device.

Removable mullions

Keyed removable steel mullions

Mullions

Steel mullions

1654 — Prepared for two 1606 strikes. **If 1606 strikes are not specified on the order, two per mullion will be added. Additional charges apply.**

4954 — Prepared for 264 or 299 strikes. For use with all Von Duprin Panic rim devices. **Note: specify strike choice with device.**

🔥 **9954** — Prepared for and must be used with two 268 strikes (88-F device), or two 499F (22-F, 33/35, 98-F, 99F devices). UL fire labeled mullion for up to 3 hour opening using Von Duprin fire exit rim devices. This mullion is not easily removed due to special fittings.

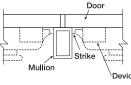22-F and 88-F devices are rated up to 8' x 8" (2438mm x 2438mm).
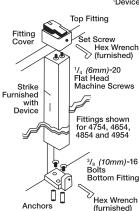
33A-F and 35A-F devices are rated up to 10'0" (3048 mm).

98-F and 99-F devices are rated up to 10'0" (3048mm).

9954-XP — Prepared for two 954 strikes, for XP device.

HH9954 — Heavy-duty mullion for use in impact-rated hurricane assembly.

Note: If 268 or 499F strikes are not specified on the order, two per mullion will be added. Additional charges apply.
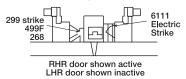

4754 — Prepared for two 4263 monitor strikes.

4854 — Prepared for one 299 and one 6111 electric strike. Indicate handing for electric strike.

🔥 **9854** — Prepared for one 268 or 499F strike and one 6111 electric strike. Indicate handing for electric strike. UL fire labelled mullion for up to 3 hour openings up to 8' x 8' (2438mm x 2438mm) using Von Duprin Fire Exit Rim Devices

4854/9854 – Using one electric strike

RHR door shown active
LHR door shown inactive

Aluminum mullions

5654 — Prepared for two 264 or 299 strikes. Includes one set of 154 stabilizers.

5654-XP — Prepared for two 909 strikes, for XP device.

5754 — Prepared and furnished with one 1408 double door strike. Includes one 154 stabilizer set. Note: specify devices "less strike".

Note: All furnished with weatherstrip edging.

Sizes for mullions

1654, 4954, 4754, 4854, 5654, 5754 9854, 9954

7' 2" (2184mm)	7' 3" (2210mm)
*8' 2" (2489mm)	8' 3" (2475mm)
*10' 2" (3099mm)	10' 3" (3124mm)

KR1654, KR4954, KR4754, KR4854	**KR9854**, KR9954*****
7' 6" (2286mm)	7' 5" (2261mm)
8' 6" (2591mm)	*8' 5" (2565mm)
10' 6" (3200mm)	*10' 5" (3175mm)

* Only qualifying applications will be provided with UL Label.
** Fire rated same as 9854
*** Fire rated same as 9954

Angle plate is used with narrow transom frames. The plate attaches to the transom extending the surface area needed to mount the mullion. Must be ordered separately. Specify finish.

154 Stabilizer is a two-piece interlocking set. One piece mounts on the mullion with the top mounting hole 5$^3/_{16}$" (148mm) below the centerline of the strike; the other piece mounts on the door. Shims are provided to adjust for misalignment between the door and mullion.

The set maintains integrity between the door and mullion to prevent vandalism and to ensure contact between the device and strike as the doors expand and contract with temperature changes.

Furnished standard on aluminum mullions; optional for steel mullions.

MT54 Storage kit is a set of floor and wall brackets that provide convenient storage of the keyed removable mullion when removed from the opening.
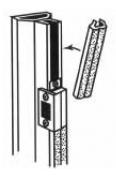
To order, specify

1. Model MT54.

2. Finish SP28, SP313, or SPBLK

Weatherstripping

Weatherstripping

Weatherstripping prevents cold air from blowing between doors and mullion. It also serves as a silencer when the door is closed against the mullion. The silicone treated weatherstrip pile is bonded to a polypropylene backing. A slide-in molding houses the weatherstripping, covers mounting screws of the strike and extends to both the top and bottom of the mullion. Standard feature on all aluminum mullions only.

Edging with
weatherstripping

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had $2.9 billion in revenue in 2019 and sells products in almost 130 countries.

For more, visit **www.allegion.com**

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