# SENSING SOLUTIONS THAT INNOVATE, AUTOMATE ANDINEGRATE



BEA, Inc. PRODUCT CATALOG 2015

# Touchless Door Actuators



### **MS 21** SHORT RANGE STAINLESS STEEL PLATES WITH ILLUMINATED EDGES AND AUDIBLE ALERTS

Ideal for surgical wings, clean-rooms and other germ-sensitive environments

See PG 46 for more information



### **MS 11**

ADJUSTABLE RANGE STAINLESS STEEL PLATES WITH ILLUMINATED CENTERS AND AUDIBLE ALERTS

Ideal for entrances, corridors and other areas needing the most durable and versatile solution for touchless activation

See PG 45 for more information

**MS 09** NEMA 4 RATED ADJUSTABLE RANGE

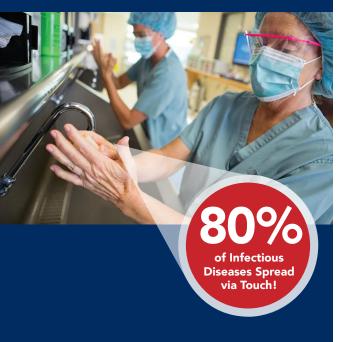
Ideal for wash-down areas, clean rooms and other areas needing touchless activation in harsh environments

See PG 44 for more information

**MS 08** ADJUSTABLE RANGE MULTIPLE FACES

Ideal for common areas, corridors and other touchless environments

See PG 43 for more information



# FOUR SOLUTIONS ONE GOAL

REDUCING THE SPREAD OF GERMS

### VISIT WAVETOOPEN.COM











Prior to assuming this new role, Dunne served as the Managing Director of BEA Asia Pacific.

### FROM THE PRESIDENT JOHN DUNNE

Welcome and thank you for choosing BEA. Not only has 2015 marked the 50th anniversary for BEA, it has also been a banner year in terms of growth, expansion and innovation. We are eagerly anticipating the launch of several cutting-edge products that are sure to be game changers in the Pedestrian, Industrial and Security markets.

As a team, our mission is to be the complete provider of innovative solutions that improve

automation, safety and security within your customers' environments. We take our mission seriously and offer a variety of training programs that help make our customers the best in the business. BEA's new Sensor Integration School is a one-of-a-kind program focused on the integration of sensors into all major OEM automatic doors.

We are pleased to offer you this new catalog, which was developed to provide a more complete and comprehensive understanding of our products. Should you have any additional questions, do not hesitate to reach out to our experienced customer and technical service teams.

I sincerely thank you for your business and look forward to your continued partnership with BEA.

Thank You,

John Dunne President, BEA, Inc.

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### ABOUT BEA, Inc.

BEA, Inc. is the global leader in sensing technology designed and developed for the activation, safety and security of automatic doors. In addition to offering a robust portfolio of sensors, actuators, access control products and accessories, BEA, Inc. provides unparalleled technical support and customer service for all of its products.

Our success has always been based around one common goal: "To Exceed Customer Expectations".

Above all, BEA is people... working for people 77

### CONTACT

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BEAinc.com





YouTube

## TECHNOLOGY



**MICROWAVE** technology operates on the principal of the Doppler effect. K-Band (radar) microwaves are transmitted at a specific frequency and the returning signals are analyzed for changes in that frequency. An object moving towards a microwave sensor results in an increase in frequency while an object moving away from a microwave sensor results in a decrease in frequency, allowing directionally to be determined. Microwave sensors are used for activation via motion.



ACTIVE INFRARED technology uses light in focused, diffused and triangulation configurations. Invisible radiant energy is emitted against a reference background that reflects the energy back to the sensor. The reflected energy is then compared to the reference background to determine reflectivity changes. An object within the detection zone results in a different (increase or decrease) reflectivity. Active infrared sensors are used for activation and safety via motion and presence.

**PASSIVE INFRARED** technology uses heat signatures. Instead of emitting energy like an active infrared sensor, a passive infrared (PIR) simply waits for a heat source to enter the detection zone. The human body releases heat that can be viewed as infrared light. Passive infrared sensors are used for activation via presence. L

**CAPACITIVE** technology detects close-range electrically charged objects. A small voltage is applied to a conductive surface, resulting in a uniform electrostatic detection field. When a conductor, such as the human hand, enters this field detection occurs. Capacitive sensors are used for activation via presence.



LASER technology operates on the principle of time-of-flight. The sensor emits light and calculates how long it takes the light to return to the sensor. The calculated time is then converted into a distance. This allows the sensor to precisely detect the location of objects and provides extremely accurate detection patterns. Laser sensors are used for activation and safety via motion or presence.



**RADIO CONTROL FREQUENCY** technology uses transmitters and receivers operating on specific radio frequencies. The transmitter applies a radio frequency alternating current to an antenna, which then radiates radio waves. The receiver receives the transmitted frequency and converts the information into a usable form. Radio transmitters and receivers are used for activation.

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**GYROSCOPIC** technology uses vibration to detect movement. As a gyroscope moves, it can detect very small degree of rotation changes about an axis, such as a door. This measurement can then be converted into angular velocity and position. Gyroscopes are used within sensors to achieve dynamic detection zones based on door position.



**CAMERA** technology uses optics and light to create pictures and videos. Enhanced definition cameras capture door environment and traffic usage in full color and high quality. Cameras are used within sensors to increase security and decrease liability.

### SEGMENT TYPES



Pedestrian



Security



Industrial

## **APPLICATION TYPES**



**RFID Applications** 



Handicap Accessible



**Knowing Act** 



**Request To Exit** 



8

Warning Indication



**Gates and Barriers** 



Transit



Logic Modules



**Energy Savings** 

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### ASSOCIATIONS

We partner with the following associations to ensure that our products meet, perform and operate within the standards defined by these leading groups



American Association of Automatic Door Manufacturers



American Public Transportation Association

AMERICAN

PUBLIC TRANSPORTATION ASSOCIATION



Construction Specifications Institute



Door and Access

Systems Manufacturers

Association



Door and Hardware Institute



International **Door Association** 

National Fire Protection Association

**National Television** 



Systems Committee

## **CERTIFICATIONS**

Our products are engineered to meet certifications and standards set forth by internationally recognized agencies specializing in product performance and safety



American National **Standards Institute** 





Canada and **United States UL Listed Mark** 



Classified

Federal Communications Commission



United States Food and Drug Administration

### **COMPLIANCE & RATINGS**

Compliance to nationally recognized standards means that BEA products can be used in a variety of applications where safety and accessibility are paramount





Americans with **Disabilities Act** Compliant

National Electrical Manufacturers Association

#### PEDESTRIAN SLIDING DOOR SOLUTIONS

#### MOTION

#### PRESENCE

IXIO-ST
MICROCELL + BEAM ADAPTER KITS
MOTION + PRESENCE
IXIO-DT1
IXIO-DT1V

#### PEDESTRIAN SWING DOOR SOLUTIONS

#### MOTION

EAGLE	17
	. /
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#### MOTION

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#### KNOWING ACT DEVICES

HIGH ACCESSIBILITY PUSH PLATE	
LPR36	
PUSH PLATES	
4.5 INCH ROUND	
6 INCH ROUND	
4.5 INCH SQUARE	
4.75 INCH SQUARE	
6 INCH SQUARE	
DUAL VESTIBULE	
JAMB STYLE	
SINGLE GANG	
MAGIC SWITCH: TOUCHLESS ACTIVATION	
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MS1145	
MS2146	
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#### LOW ENERGY REACTIVATION SOLUTIONS

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MAGNETIC DOOR POSITION SWITCHES79
ON/OFF/HOLD OPEN SWITCH
POWER SUPPLIES & TRANSFORMERS 84-85
SPOTFINDER79
UNIVERSAL REMOTE CONTROL

#### INDUSTRIAL SLIDING DOOR SOLUTIONS

#### INDUSTRIAL SWING DOOR SOLUTIONS

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EAGLE HM	
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#### SPECIALTY DOOR SOLUTIONS

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MOTION + PRESENCE	
IS40/XL	
IXIO-DT1 INDUSTRIAL	

#### **GATES & BARRIERS**

### MOTION PRESENCE IS40P......25 **MOTION + PRESENCE** LOOP DETECTORS SECURITY

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MAGIC SWITCH: TOUCHLESS ACTIVATIO	)N

#### MAGIC SWITCH: TOUCHLESS ACTIVATION

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#### WIRELESS

900	MHZ	TRANSN	/ITTERS	&	RECEIVER	52
433	MHZ	TRANSN	/ITTERS	&	RECEIVERS	53
300	MHZ	TRANSN	/ITTERS	&	RECEIVER	54

#### OFF-DOOR AUTOMATION

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LED SIGNAL LIGHTS, MODULAR82
LED SIGNAL LIGHTS, TRAFFIC
POWER SUPPLIES & TRANSFORMERS 84-85
SPOTFINDER79
UNIVERSAL REMOTE CONTROL

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#### KNOWING ACT DEVICES

HIGH ACCESSIBILITY PUSH PLA	ATE
LPR36	
KEY ACCESS	
KEYPADS	
KEYSWITCHES	
PUSH PLATES	
4.5 INCH ROUND	
6 INCH ROUND	
4.5 INCH SQUARE	
4.75 INCH SQUARE	
6 INCH SQUARE	
DUAL VESTIBULE	
JAMB STYLE	
SINGLE GANG	
MAGIC SWITCH: TOUCHLESS A	CTIVATION
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### WIRELESS

900	MHZ	TRANSM	TTERS	&	RECEIVER	52
433	MHZ	TRANSM	ITTERS	&	RECEIVERS	53
300	MHZ	TRANSM	TTERS	&	RECEIVER	54

### LOGIC MODULES

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#### A C C E S S O R I E S

ISOLATION RELAYS79
JAMB CAM80
LED SIGNAL LIGHTS, COLUMN81
LED SIGNAL LIGHTS, MODULAR82
LED SIGNAL LIGHTS, TRAFFIC
POWER SUPPLIES & TRANSFORMERS 84-85
SPOTFINDER
UNIVERSAL REMOTE CONTROL





### **COLIBRI ONE**

Unidirectional motion sensor for off door applications

#### FEATURES & BENEFITS

RELATED PRODUCTS

- Unidirectional sensing for energy savings
- Variable sensitivity adjustment for indoor and outdoor environments
- Rotational angle adjustment for customized directionality
- Lateral angle adjustment for ceiling, wall and low level mount versatility
- Compact size provides flexibility in mounting

#### TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar		
Transmitter Frequency	24.150 GHz		
Transmitter Radiated Power	< 20 dBm EIRP		
Transmitter Power Density	< 5 mW/cm <sup>2</sup>		
Detection Mode	Motion		
Minimum Detection Speed	2 in/s (measured in sensor axis)		
Supply Voltage	12 V to 24 V DC +30% / -10%		
Mains Frequency	50 to 60 Hz		
Maximum Power Consumption	< 2 W		
<b>Output</b> Maximum Contact Current Maximum Contact Voltage	solid-state-relay (free of potential change-over contact) 100 mA 35 V DC/ 24V AC		
Mounting Height	72 in to 120 in (6 ft to 10 ft)		
Degree of Protection	IP54		
Temperature Range	-4 °F to + 131 °F		
Dimensions	3.15 in (W) x 2.36 in (H) x 2.17 in (D)		
Tilt angles	0° to 90° vertical; -30° to +30° lateral		
Material	ABS & Polycarbonate		
Weight	5 oz		
Cable Length	96 in		
Norm Conformance	R&TTE 1999/5/EC; EMC 2004/108/EC		

Catalog Number	Description
10BR3	Programmable 3 relay logic module with up to 12 unique functions commonly used for time delay, latching, electric locking devices, interlocking and sequencing
10COLIBRI	Unidirectional motion sensor for off door applications

MOTION SENSORS



10BR3



16





**EXAMPLE 1** Poor Association





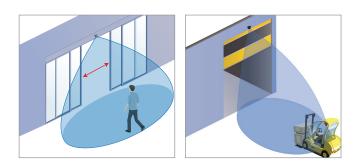
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10ERA

**10INDBRACKET** 



#### TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Detection Mode	Motion
Transmitter Frequency	24.150 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Transmitter Power Density	< 5 mW/cm <sup>2</sup>
Minimum Detection Speed	2 in/s (measuring based on optimal conditions)
Mounting Height	Eagle - 72 in to 120 in (6 ft to 10 ft) Eagle HM - 120 in to 198 in (10 ft to 16.5 ft)
Supply Voltage	12 to 24 V AC ±10%;
Supply Voltage	12 to 24 V DC +30% / -10%
Mains Frequency	50 to 60 Hz
Maximum Power Consumption	< 2 W
<b>Output</b> Maximum Contact Current Maximum Contact Voltage Adjustable Hold Time	Relay (free of potential change-over contact) 42 V AC/DC 1 A (resistive) 30 W (DC) / 60 VA (AC)
Cable Length	360 in (30 ft)
Degree of Protection	IP54
Tilt Angles	0° to 90° vertical; –30° to +30° lateral
Norm Conformance	R&TTE 1999/5/EC; EMC 2004/108/EC

EAGLE FAMILY

Overhead activation sensor for automatic doors

#### FEATURES & BENEFITS

- Energy savings due to unidirectional detection capability
- Narrow and wide antennae included
- Advanced microprocessor screens out interferences caused by rain, snow, radio frequency and header vibration
- Motion detection feature can detect traffic moving as slow as 2.2 in./sec.
- Compact, low profile design
- Industrial high-mount option available (up to 16.5 feet)

#### RELATED PRODUCTS

Catalog Number	Description	
10EAGLE	Flat antenna motion detector	
10EAGLE1HM	Industrial motion sensor -	
IVEAGLETHIM	up to 16.5 feet mounting height	
10ERC	Deluxe Eagle rain cover	
10ECA	Eagle ceiling adapter	
10EMB	Eagle mounting bracket	
10ERA	Standard rain cover	
10EQD	Eagle quick disconnect (48 in)	
10EAGLESPACER	Spacer for some blind bi-folded applications	
10INDBRACKET	Heavy duty extension bracket - adjustable from 20 in - 36 in	
10REMOTE	Universal Remote Control	
IUREIVIOTE	REQUIRED FOR ALL SENSOR ADJUSTMENTS	
20.0027	Eagle 4 conductor cable (6 ft bundle)	
30.0407	Eagle 5 pin connector	
70.0164	Eagle bezel to cover antenna	
70.0167	Eagle cover with light pipe	
70.0173	Eagle wide microwave antenna	
70.0182	Eagle narrow microwave antenna	







DASMA.

JA





**10INDBRACKET** 

**10REMOTE** 



#### TECHNICAL SPECIFICATIONS

Technology Radiated Frequency Transmitter Radiated Frequency Radiated Power Density

24.125 GHz < 20 dBm EIRP < 5 mW / cm2 Motion

0° to 180°

Microwave Doppler Radar

156 in x 192 in; @ 192 in

156 in × 78 in; @ 98 in 360 in × 132 in; @ 252 in

#### Detection Zone (W×D)

**Detection Mode** 

Falcon (narrow pattern) Falcon XL (wide pattern) Falcon Wide (extra wide pattern)

Tilt Angles

Output Maximum Contact Voltage Maximum Contact Current

Maximum Switching Power **Output Hold Time** 

**Reaction Time** 

**Minimum Detection Speed** 

LEDs

**Mains Frequency** 

**Supply Voltage** 

**Mounting Height** 

Falcon Falcon XL Falcon Wide

18

42 V AC/DC 1 A (resistive) 30 Ŵ (DC); 60 VA (AC) 0.5 to 9 seconds (adjustable) 100 ms 2.2 in/s Green: Value indication Red: Detection state & parameter indication 50 to 60 Hz 12 to 24 VAC; ±10%

Relay (free of potential change-over contact)

12 to 24 VDC; +30% / -10% Maximum Power Consumption < 2 W

> 138 in to 276 in (11.5 ft to 23 ft) 78 in to 138 in (6.5 ft to 11.5 ft) 138 in to 252 in (11.5 ft to 21 ft)

FALCON/XL/WIDE

Motion sensor for industrial doors and gates

#### FEATURES & BENEFITS

NEMA

⊛II)A

- Bidirectional, unidirectional approach and unidirectional depart microwave detection options
- Six modes of detection filtering are • available for microwave immunity, as well as pedestrian and parallel traffic rejection
- Falcon family provides three different models with various mounting heights and detection zones (see technical specifications)
- Relay hold time can be configured from • .5 to 9 seconds
- Tilt angle from 0° to 180°
- NEMA 4 rated enclosure

#### TECHNICAL SPECIFICATIONS CONT'D

Dimensions (W x L x H)	4.14 in × 6.54 in × 3.82 in		
Materials	ABS & Polycarbonate		
Temperature Range -22° F to +140° F			
Degree of Protection	NEMA 4 / IP65		
Humidity	0-95% non condensing		
Norm Conformance	EMC: 2004 / 108 / EC R&TTE: 1999 / 5 / EC		

#### **RELATED PRODUCTS**

Catalog Number	Description
10FALCON	Industrial motion detector - 11.5 ft - 23 ft high mount
10FALCONW	Industrial mount detector - 11.5 ft - 21 ft high mount
10FALCONXL	Industrial mount detector - 6.5 ft - 11.5 ft low mount
10INDBRACKET	Heavy duty extension bracket - adjustable from 20 in - 36 in
10REMOTE	Universal Remote Control REQUIRED FOR ALL SENSOR ADJUSTMENTS
35.1240	Falcon harness, 30 ft cable
35.1194	5 conductor heavy duty cable, order by FT





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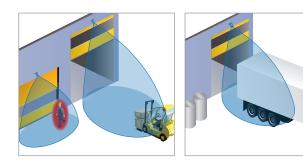
NEMA4





**10INDBRACKET** 

**10REMOTE** 



Technology	Microwave Doppler Rada
Radiated Frequency Transmitter Radiated Frequency Radiated Power Density	24.125 GHz < 20 dBm EIRP < 5 mW / cm2
Detection Mode	Motion
Detection Zone (W×D)	
Falcon EX (narrow pattern) Falcon EX XL (wide pattern)	156 in × 192 in; @ 192 in 156 in × 78 in; @ 98.4 in
Tilt Angles	-90° to +30° in elevation
Output Maximum Contact Voltage	Relay (free of potential chan
Iviaximum contact voltage	$42 \vee AC/DC$

ECHNICAL SPECIFICATIONS

Maximum Contact Voltage42 V AC/DCMaximum Contact Current1 A (resistive)Maximum Switching Power30 W (DC); 60 VA (AC)Output Hold Time0.5 to 9 seconds (adjustable)

Reaction Time	100 ms
Minimum Detection Speed	2.2 in/s
LED Signals	Green: Value indication upon query Red: Detection state & parameter indicat
Mains Frequency	50 to 60 Hz
Supply Voltage	12 to 24 VAC; ±10% 12 to 24 VDC; +30% / -10%
Maximum Power Consumption	< 2 W
Mounting Height	
Falcon EX Falcon EX XL	138 in to 276 in (11.5 ft to 23 ft) 84 in to 138 in (6.5 ft to 11.5 ft)

### FALCON EX/EX XL

Motion sensor with explosion-proof/flame-proof housing

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#### FEATURES & BENEFITS

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- Bidirectional, unidirectional approach and unidirectional depart microwave detection options
- Six modes of detection filtering are available for microwave immunity, as well as pedestrian and parallel traffic rejection
- Relay hold time can be configured from .5 to 9 seconds
- Remote control programming enables user to quickly and safely make changes from the ground
- Supplied mounting bracket allows multiple mounting options from 0° to 180° tilt
- A telescopic, heavy-duty mounting bracket offers extension up to 3-feet (optional)

SPECIFICATIONS CONT'D

Dimensions (Housing & Bracket)	9 in (D) × 7 in (W) × 5 in (H)
Housing/ Bracket Material	Copper-free Aluminum / Aluminum
Temperature Range -22° F to +140° F	
Degree of Protection	Class 1 Zone 1 AEx d llc CENELEC: EExd llC, IP66 NEMA 4x, 7BCD, 9EFG
Norm Conformance	EMC: 2004 / 108 / EC R&TTE: 1999 / 5 / EC <b>FM: Approved Instrument Housing</b>
RELATED PRO	D D U C T S
Catalog Number	Description
10FALCONEX	
	Industrial motion detector - encased in an explosion-proof/flame-proof housing
<b>10FALCONEX</b>	
10FALCONEX	explosion-proof/flame-proof housing
10FALCONEX	explosion-proof/flame-proof housing 11.5 ft - 23 ft high mount Industrial motion detector - encased in an
10FALCONEX	explosion-proof/flame-proof housing 11.5 ft - 23 ft high mount Industrial motion detector - encased in an explosion-proof/flame-proof housing
10FALCONEX 10FALCONEXXL 10INDBRACKET	explosion-proof/flame-proof housing 11.5 ft - 23 ft high mount Industrial motion detector - encased in an explosion-proof/flame-proof housing 6.5 ft - 11.5 ft low mount Heavy duty extension bracket -
10FALCONEX 10FALCONEXXL 10INDBRACKET 10REMOTE	explosion-proof/flame-proof housing 11.5 ft - 23 ft high mount Industrial motion detector - encased in an explosion-proof/flame-proof housing 6.5 ft - 11.5 ft low mount Heavy duty extension bracket - adjustable from 20 in - 36 in Universal Remote Control
10FALCONEX10FALCONEXXL10FALCONEXXL10INDBRACKET10REMOTE35.1240	explosion-proof/flame-proof housing 11.5 ft - 23 ft high mount Industrial motion detector - encased in an explosion-proof/flame-proof housing 6.5 ft - 11.5 ft low mount Heavy duty extension bracket - adjustable from 20 in - 36 in Universal Remote Control <b>REQUIRED FOR ALL SENSOR ADJUSTMENTS</b>



**SPARROW** 

Variable mount motion sensor

Adjustable detection zones to a maximum

Mounting height from 78 in to 240 in

Ten sensor sensitivity settings can be

IP64 rated enclosure for industrial and

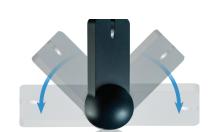
Immunity settings can be adjusted to

achieve various motion detection outcomes

of 240 in x 360 in (20 ft x 30 ft)

applied to optimize detection





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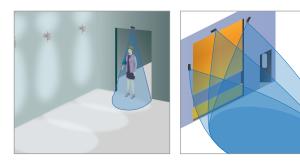
FEATURES & BENEFITS

(6.5 ft to 20 ft)

harsh environments



**10REMOTE** 



#### TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Radiated Frequency Transmitter Radiated Power Radiated Power Density	24.125 GHz < 20 dBm EIRP < 5 mW / cm2
Detection Mode	Motion
Antenna Adjustment	0° to 90° vertical; -120° to +120° swivel
Enclosure Mounting	-180° to +180°
Output Maximum Contact Voltage Maximum Contact Current Maximum Switching Power	Relay (free of potential change-over contact) 42V AC/DC 1 A (resistive) 30W (DC); 60VA (AC)
Minimum Detection Speed	2 in/s (measured in the sensor axis)
LED Signal	Blue
Frequency	50 to 60 Hz
Supply Voltage	12V to 24V AC ±10% 12V to 24V DC +30% / -10%
Maximum Power Consumption	< 2 W
Mounting Height	78 in to 240 in (6.5 ft to 20 ft)
Dimensions	5.5 in × 2 in × 2.25 in
Material	ABS Plastic and acrylic
Color	Black
Weight	5.8 oz
Cable length	360 in (30 ft)

#### TECHNICAL SPECIFICATIONS CONT'D

Temperature range	-22° F to +140° F
Degree of Protection	IP64
Norm Conformance	R&TTE 1999/5/EC; EMC 2004/108/EC

#### RELATED PRODUCTS

Catalog Number	Description
10SPARROW	Variable mount motion sensor
10REMOTE	Universal Remote Control
	REQUIRED FOR ALL SENSOR ADJUSTMENTS

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### **BEAMBOX**

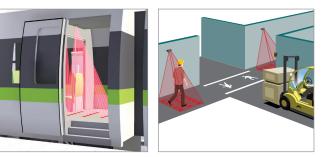






10BR3

**10REMOTE** 



#### TECHNICAL SPECIFICATIONS

Technology	Focused active infrared with background analysis
Detection Mode	Motion & Presence
Optical Features	15 independent IR spots producing a rectangular-shaped detection field
Maximum Mounting Height	96 in (8 ft)
Tilt Angles	$0^{\circ}$ to $20^{\circ}$ (step = $5^{\circ}$ )
Detection Area (W × D; @ H)	39 in × 48 in; @ 84 in mounting height angle: 20°
Spot Diameter	5 in
Reaction Time	< 100 ms
Supply Voltage (Nominal)	24 V DC acc. to EN 50155 (12 V – 45 V DC ±10%)
Power Consumption	< 3 W (VA)
Output Maximum Contact voltage Maximum Contact current Maximum Switching power	Free of Potential Change-Over Contact 42 V AC – 60 V DC 1 A (resistive) 30 W (DC) / 60 VA (AC).
Connections	Integrated 7-pin plug connector
Norm Conformance	EMC 2004/108/EEC; EN 50155; NF F16-102 (optional); TS EN 45545
Temperature Range	-13°F to +136°F
Degree of Protection	IP41

Active infrared sensor for motion and presence detection

#### FEATURES & BENEFITS

- Three rows of 5 infrared programmable spots ideal for unique off door applications
- Four infrared immunity modes
- Typical detection area of 39 x 39 inches when mounted at a height of 84 inches
- Nine unique preset patterns are available
- Preset patterns can detect motion and/or presence
- NO/NC output relay
- Recessed mounting for low profile applications
- Adjustable tilt angle from 0° to 20°

#### TECHNICAL SPECIFICATIONS CONT'D

Sensor Dimensions	5.5 in × 1.5 in × 2.2 in
Weight	3.5 oz
Enclosure Material/Color	Polycarbonate/Black
Cable Length	96 in (total); material compliant with DIN5510
Adjustments Sensitivity	Push Buttons / BEA Remote (4 levels)
Shape of Detection Area	Push Buttons / BEA Remote (choice of 9 preset fields)
Tilt Angle	Mechanical
Hold Time	Universal Remote Control (from 0.5 s to 9 s, 10 value-settings)
Maximum Presence Time	Universal Remote Control (20 s to 25 min, 10 value-settings)
Security	Universal Remote Control (4-digit entry code)
RELATED PRODUCTS	
Catalog Number Descrip	otion

Catalog Number	Description
10BEAMBOX	Uses a 3 x 5 matrix of infrared spots, 15 total, where each can be individually activated <i>Monitoring capable</i>
10BR3	Programmable 3 relay logic module with up to 12 unique functions commonly used for time delay, latching, electric locking devices, interlocking and sequencing
10REMOTE	Universal Remote Control REQUIRED FOR ALL SENSOR ADJUSTMENTS



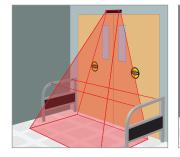
**BODYGUARD** 





10LO21

**10REMOTE** 





#### TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Installation Height - Variable	Variable 108 in max (9 ft) recommended 78 in to 96 in (6.5 ft to 8 ft)
Mounting Angles Bodyguard only Bodyguard with Bodymount	+5°, +10° ( factory default setting: +5° ) 0°, +5°, +10°
Supply Voltage	24 V AC / DC +/- 10%
Frequency	50-60 Hz
Output	Max. voltage at contacts: 60V DC / 125V AC Max. current at contacts: 1 A (Resistor) Max. power supply: 30 W (DC), 120V (AC)
Relay Hold Time	0.5 to 9 s
<b>Operating Temperature</b>	-22°F to +140°F
Immunity	Immune to electrical and radio frequency interference
Cable	72 in - six conductor cable
Weight	1lb. 11 oz.
Dimensions	11.8 in x 1.9 in x 1.9 in
Material	Aluminum & ABS plastic
Housing	Black anodized aluminum

Overhead presence detection for pedestrian swinging and folding doors

#### FEATURES & BENEFITS

ANSI DASMA. DIDA.

- Versatile sensor can be used on single swing, simultaneous pair, dual egress and folding doors
- Adjustable tilt angle from 0° to 10° degrees
- Individual patterns for both open and closed door states
- Provides threshold protection in the door open state
- Easy installation with push button or remote control setup
- Available in nine pattern widths and six pattern depths

#### RELATED PRODUCTS

Catalog Number	Description
10BODYGUARDIII	Header mounted safety sensor
10BODYGUARDIII-C	Header mounted safety sensor for Canadian market and includes French User's Guide
10BODYMNT	Spacer for Bodyguard
10BGQD	Quick disconnect for Bodyguard cable (78 in)
10CAPKIT	(1) left/ (1) right end cap and mounting screws
10LO21	Lock-out relay
10REMOTE	Universal Remote Control
10URC	Universal rain cover for IXIO and Bodyguard
30.0345	7 position pin connector
41.3879	Adjustable mounting clips for PCB
70.0045	Extrusion housing cut to 10.25 in
70.0179	Bodyguard cover for light pipe
70.0180	Bodyguard light pipe
70.0207	Bodyguard lens cut to 4.875 in

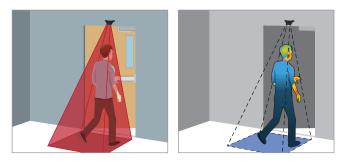
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#### TECHNICAL SPECIFICATIONS

Technology	Passive Infrared
Technology	
Mounting Height	Recommended: 78 to 96 in (6.5 ft to 8 ft) Maximum: 120 in (10 ft)
Mounting Angles	0° to 180°
Supply Voltage	12 to 24 VAC; ±10%; (50/60 Hz) 12 to 24 VDC; -10% / +30%
Power Consumption	<10 mA (20 mA if the relay output is activated)
Contact Rating	1 A / 75 VDC or 50 VAC potential free contact NO/NC
<b>Optical Characteristics</b>	Four element passive infrared with independent masking possibilities
Warm-up Time	10 s
Response Time	Maximum: 200 ms
<b>Relay Hold Time</b> Standard Fly Fly Extended Relay Time	0.5 or 2 s 15 or 30 s
Operating Temperature	-22°F to +140°F (-30°C to +55°C)
Cable	108 inches of 4-conductor cable with 5-pin connector
Weight	1.4 oz (40 g)
Sensor Dimensions (LxW×H)	4.0 in × 1.0 in × 1.8 in



### **FLY KIT**

Compact passive infrared request to exit sensor

#### FEATURES & BENEFITS

**RELATED PRODUCTS** 

- Sensing field adjustment masks provide accurate detection zones (2 included)
- DIP switches for user-defined settings
- Extended Relay Time (ERT) version is available for hold times of 15 or 30 seconds
- Compact, aesthetically pleasing design
- Packages include both ceiling and surface mount adapters

Catalog Number	Description
10FLYKITB	(1) Passive infrared detector for request to exit applications - black
	(1) Surface adapter - black
	(1) Flush mounted ceiling adapter - black
10FLYKITBERT	(1) Passive infrared detector with extended relay time - black
	(1) Surface adapter - black
	(1) Flush mounted ceiling adapter - black
10BR3	Programmable 3 relay logic module with up to 12 unique functions commonly used for time delay, latching, electric locking devices, interlocking and sequencing
70.0011	4 conductor cable, order by foot



10FOCUS2







### **FOCUS FAMILY**

Active infrared sensors for presence detection

#### FEATURES & BENEFITS

- Low profile, reccessed-mount enables Focus 2 and Smart Focus to be hidden from view
- Mounting height up to 98 inches
- Focus 2 and Smart Focus are fully monitored
- Smart Focus is self-adjusting

RELATED PRODUCTS

- Ideal for drive thru/pass thru applications
- Can be used in gate and barrier applications

TECHNICAL SPECIF	ICATIONS
Technology	Active Infrared
Detection Mode	Presence
Supply Voltage	24 V AC / V DC +/- 10%
Power Consumption	On = 60 mA max. Off = 30 mA max.
Output Interface; relay	Relay; max. contact rating is 1A @ 30v (resistive)
Detection Range	0 in to 98 in
Distance Adjustment	24 in up to 96 in rotating cam with linear adjustment
Detection Time	< 50 ms
<b>Detection Signal Duration</b>	Infinite Presence Detection
LED Indications	Green LED = Detection
Operating Temperature Range	-30° F to 140° F
PCB Dimensions	Master: 6.63 in x 1.5 in (168mm x 38mm)
Connection to Controller	5 Conductor Cable
Relay Output	NO or NC

Catalog Number	Description
10FOCUS	Surface, distance/measuring active infrared presence sensor
10FOCUS2	Recessed distance measuring active infrared presence sensor
10SMARTFOCUS	Recessed, distance measuring active infrared presence sensor - adapts to environment by push of a button
10SMARTFOCUSSMA	Surface mount adapter for Smart Focus sensor
15.0118	Focus harness - 240 in
30.0405	Focus harness - 72 in
70.0068	Focus harness - 48 in
70.0138	Lens extrusion, order by inch



10FOCUS

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<u>NEMA</u>4

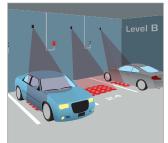




**10SPOTFINDER** 

10REMOTE





**10INDBRACKET** 

International Door Association

#### TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence
Mains Frequency	50 to 60 Hz
Power Consumption	< 2 W
Relay Output Max. Voltage Max. Current Max. Switching Power	2 Relays with switch-over contact (voltage free) 60 VDC / 125 VAC 1A (resistive) 30W (DC) / 60VA (AC)
Supply Voltage	12 to 24 VAC ±10% 12 to 24 VDC +30% / -5%
Temperature Range	-22°F to +140°F
Radar Angle/Sensor angle	15°, 30°, 45°
Sensor Tilt Angle	15° to 45°
LED Signal	Red (Presence Relay), Green (indicator)
Radiated Frequency	875 nm
<b>Radiated Power Density</b>	< 250 mW/m <sup>2</sup>
Max. Detection Field	120 in × 120 in
Output Hold Time	0.5 s - 9 s (activation relay) 0.5 s (presence relay)
Minimum Target Speed	0 in/s
Installation Height	96 in – 192 in (8 ft - 16 ft)

Presence sensor with virtual loop functionality

**IS40P** 

#### FEATURES & BENEFITS

DASMA.

- Nine unique infrared patterns capable of highly flexible presence detection in industrial environments
- Up to seven minimum object target sizes allow the user to detect objects of various desired sizes
- Remote control programming enables user to quickly and safely make changes from the ground
- Adjustable infrared immunity modes help to mitigate environmental disturbances such as subtle door vibrations, light, sun, rain and snow
- NEMA 4 rated enclosure

#### TECHNICAL SPECIFICATIONS CONT'D

Dimensions (D×W×H)	5 in × 4 in × 3.75 in
Cable Length	384 in (30 ft)
Degree of Protection	NEMA 4 / IP65
Norm Conformance	Electromagnetic compatibility (EMC) according to 2004/108/EEC, R&TTE: 1999/5/EC

#### RELATED PRODUCTS

Catalog Number	Description
10IS40P	Dual technology industrial sensor utilizing microwave motion and active infrared presence detection
10INDBRACKET	Heavy duty extension bracket - adjustable from 20 to 36 inches
10REMOTE	Universal Remote Control
	REQUIRED FOR ALL SENSOR ADJUSTMENTS
10SPOTFINDER	Improved active infrared Spotfinder that increases accuracy thereby reducing installation and maintenance time
35.1195	8 pin conductor cable



**IXIO-ST** 

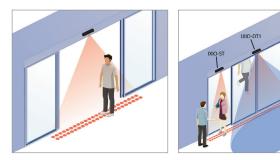




10IMB

10IRA

10ICA



#### TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence
Spot Size	2 in × 2 in
Max. Number of Spots	24 per curtain
Max. Number of Curtains	2
Supply Voltage	12 to 24 VAC 50/60 Hz 12 to 30 VDC
Output Maximum Contact Current Maximum Contact Voltage Hold Time	Solid-state-relay (potential and polarity free) 400  mA 42  VDC Infrared: 0.3 s if < 4 s*, 1 s if $\ge$ 4 s* (*if in detection for)
Power Consumption	< 2.5 W
Mounting Height	78 in - 138 in (6.5 ft – 11.5 ft)
Temperature Range	Sensor: -31°F to +131°F LCD: 14°F to +131°F 0 to 95% relative humidity, non condensing

Presence sensor for automatic sliding doors

#### FEATURES & BENEFITS

dhi bor and Hardware Institut

(ANSI

- Sidelite protection reduces liability
- Two 24 spot, high-density, infrared safety curtains providing precise presence detection

c(UL)us

LISTED

- Four visible red alignment spots are projected on the ground to assist in precise IR curtain adjustment
- Intelligent programming and troubleshooting via a menu-driven LCD
- On-board microprocessor optimizes data analysis, monitors sensor performance and enables system integration
- Fully monitored internally, capable of external monitoring

#### TECHNICAL SPECIFICATIONS CONT'D

Degree of Protection	IP54
Norm Conformance	R&TTE 1999/5/EC; EMC 2004/108/EC; MD 2006/42/EC; RoHS 2002/95/EC
Dimensions (D x W x H)	2.25 in x 10.6 in x 2.27 in
Cable Length	120 in

#### RELATED PRODUCTS

Catalog Number	Description
10IXIOST	Active infrared presence sensor for sliding doors
10ICA	IXIO ceiling accessory
10IMB	IXIO bracket accessory
10IRA	IXIO rain accessory
<b>10REMOTE</b>	Universal Remote Control
20.5294	120 inch(10 foot) wire harness
35.1286	Black replacement cover
35.1302	White replacement cover
35.1303	Silver replacement cover

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**10ICA** 

LISTED



**10IMB** 

**10IRA** 

#### TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence
Spot Size	2 in × 2 in
Max. Number of Spots	24 per curtain
Max. Number of Curtains	2
Supply Voltage	12 to 24 VAC 50/60 Hz 12 to 30 VDC
Output Maximum Contact Current Maximum Contact Voltage Hold Time	Solid-state-relay (potential and polarity free) 400 mA 42 VDC Infrared: 0.3 s if < 4 s*, 1 s if $\ge$ 4 s* (*if in detection for)
<b>Power Consumption</b>	< 2.5 W
Mounting Height	78 in - 168 in (6.5 ft – 14 ft)
Temperature Range	Sensor: -31°F to +131°F LCD: 14°F to +131°F 0 to 95% relative humidity, non condensing
Degree of Protection	IP54

## **IXIO-ST INDUSTRIAL**

Safety sensor for small industrial doors

#### FEATURES & BENEFITS

NA

- Two 24 spot, high-density, infrared safety curtains providing precise presence detection
- Four visible red alignment spots are projected on the ground to assist in precise IR curtain adjustment
- Intelligent programming and troubleshooting via a menu-driven LCD
- On board microprocessor optimizes data • analysis, monitors sensor performance and enables system integration
- Fully monitored internally, capable of • external monitoring
- 360 inch (30 ft) cable for larger/higher doors

#### TECHNICAL SPECIFICATIONS CONT'D

Norm Conformance	R&TTE 1999/5/EC; EMC 2004/108/EC; MD 2006/42/EC; RoHS 2002/95/EC
Dimensions (D x W x H)	2.25 in x 10.6 in x 2.27 in
Cable Length	360 in

#### **RELATED PRODUCTS**

Catalog Number	Description
10IXIOSTINDUST	Active infrared safety sensor for small interior industrial doors
10ICA	IXIO ceiling accessory
10IMB	IXIO bracket accessory
10IRA	IXIO rain accessory
10REMOTE	Universal Remote Control
20.5294	IXIO wire harness
35.1286	Black replacement cover
35.1302	White replacement cover
35.1303	Silver replacement cover

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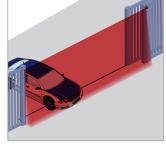


### LZR<sup>®</sup>-i30



**10REMOTE** 

**10LBA** 





**10INDBRACKET** 

Laser scanner for
industrial door and gate safety

#### FEATURES & BENEFITS

NEC REC LECTRA ACCESSION

- Four curtains of detection each capable of 360 in x 360 in x 36 in (30 ft x 30 ft x 3 ft)
- Detects objects as small as 2 inches at • 30 feet away, depending on application
- Degree of protection: NEMA 4 / IP65 •
- Monitoring capability ensures • communication with external devices
- Has the ability to ignore dynamic ground • conditions and extreme weather
- Visible LEDs, 3 for setup •

TECHNICAL SPECI	FICATIONS	TECHNIC
Technology	LASER scanner, Time-of-Flight measurement	Tilt Angle on B
Detection Mode	Presence (EN 12453 Typ. E)	Degree of Prot
Max. Detection Range	360 in x 360 in x 36 in (30ft x 30ft x 3ft) per curtain	Temperature R
Detection Plane	4 curtains per sensor, curtain spread dependent on mounting height	Humidity Vibrations
Remission Factor	> 2%	Pollution on Fr
Emission Characteristics	Wavelength 905nm; maximum output pulse power 75W	Cut Target
Red Visible LED	Wavelength 650nm; maximum output CW power 3mW	
Supply Voltage	12 – 35 VDC @ Sensor Terminal	
Peak Current at Power-On	1.8 A (Max. 80 ms @ 35 V)	Norm Conform
Power Consumption	< 5W	
Response Time	Min 20ms; Max 80ms	
Output Max. Switching Voltage Max. Switching Current	2 electronic relays (galvanic isolated – polarity free) 35V DC / 24V AC 80 mA (resistive)	RELATED
	1 Blue LED: Status « Power–on »	Catalog Numbe
LED-Signal	1 Orange LED: Status «Error» 2 Red/Green LEDs: Status «Detection / Output»	10LZRi30
	4.92 in × 3.66 in × 2.76 in	10INDBRACKET
Dimensions (W×L×H)	Mounting Bracket (10LBA) adds .5 in	10LBA
Cable Length	360 in (30 ft)	10PS12-24
Material	PC/ASA	10PSVR5T
Color	Black	10REMOTE
Rotation Angle on Bracket	±5° (Lockable)	35.1242

TECHNICAL SPECI	FICATIONS CONT'D	
Tilt Angle on Bracket	±3°	
Degree of Protection	NEMA 4 / IP65	
Temperature Range	-22°F to +140°F if powered	
Humidity	0-95% non-condensing	
Vibrations	< 2G	
Pollution on Front Screens	Max. 30%; Homogeneous	
Cut Target	< 11.81 in × 7.87 in × 27.56 in @ 276 in (EN 12445 test body A)	
Norm Conformance	2006/95/EC: LVD; 2002/95/EC : RoHS; EN 60825-1; EN 61000-6-1: EMC-Commercial Level; EN 61000-6-2: EMC - Industrial level; 9.9 < 1999/5/ EC: R&TTE 2004/108/EEC: EMC; 2006/42/EC: MD EN 60950-1; EN 60529; IEC 60825; EN ISO 13849-1 Performance Level "c", CAT 2; EN 12445; EN 12453 Typ E	
RELATED PRODUCTS		

Catalog Number	Description
10LZRi30	Enhances safety with highly precise detection zone
10INDBRACKET	Industrial mounting bracket
10LBA	LZR mounting bracket accessory
10PS12-24	UL/ULC Listed power supply 12/24 VDC - 1.75 A
10PSVR5T	Voltage regulator, 24 VAC/24VDC
10REMOTE	Universal Remote Control REQUIRED FOR ALL SENSOR ADJUSTMENTS
35.1242	360 in (30 ft), 8 conductor cable







<u>NEMA</u>4



**10REMOTE** 

Technology

**10LBA** 



TECHNICAL SPECIFICATIONS



LASER scanner, Time-of-Flight measurement

**10INDBRACKET** 

EXAMPLE A CONTRACTION OF A CONTRACT OF A CON

Detection Mode	Motion/ Presence (EN 12453 Typ. E)
Max. Detection Range	984 in × 984 in (82 ft x 82 ft)
Detection Plane	4 curtains per sensor, curtain spread dependent on mounting height
Remission Factor	> 2%
Emission Characteristics	Wavelength 905nm; maximum output pulse power 75W
Red Visible LED	Wavelength 650nm; maximum output CW power 3mW
Supply Voltage	10 – 35 VDC @ Sensor Terminal
Peak Current at Power-On	1.8 A (Max. 80 ms @ 35 V)
Power Consumption	< 5W
Response Time	Min 20ms; Max 80ms
<b>Output</b> Max. Switching Voltage Max. Switching Current	2 electronic relays (galvanic isolated – polarity free) 35V DC / 24V AC 80 mA (resistive)
LED-Signal	1 Blue LED: Status « Power–on » 1 Orange LED: Status « Error » 2 Red/Green LEDs: Status « Detection / Output »

	2 Neu/Green LLDS. Status « Detection / Output »
Dimensions (W×L×H)	4.92 in × 3.66 in × 2.76 in Mounting Bracket (10LBA) adds .5 in
Cable Length	360 in (30 ft)
Material	PC/ASA
Color	Black
Rotation Angle on Bracket	±5° (Lockable)

Laser scanner for building automation and security

LZR<sup>®</sup>-s600

#### FEATURES & BENEFITS

1A

- Maximum detection range of 984 in x • 984 in (82 ft x 82 ft)
- Degree of protection: NEMA 4 / IP65
- High immunity to environmental interferences (fog, snow, rain, dust, etc.)
- Monitoring capability ensures • communication with external devices/ building systems
- Has the ability to ignore dynamic ground • conditions and extreme weather

TECHNICAL SPECIFIC	ATIONS CONT'D
Tilt Angle on Bracket	±3°
Degree of Protection	NEMA 4 / IP65
Temperature Range	-22°F to +140°F if powered
Humidity	0–95% non-condensing
Vibrations	< 2G
Pollution on Front Screens	Max. 30% ; Homogeneous
Cut Target	< 11.81 in × 7.87 in × 27.56 in @ 276 in (EN 12445 test body A)
Norm Conformance	2006/95/EC: LVD; 2002/95/EC : RoHS; EN 60825-1; EN 61000-6-1: EMC-Commercial Level; EN 61000-6-2: EMC - Industrial level; 9.9 < 1999/5/ EC: R&TTE 2004/108/EEC: EMC; 2006/42/EC: MD EN 60950-1; EN 60529; IEC 60825; EN ISO 13849-1 Performance Level "c", CAT 2; EN 12445; EN 12453 Typ E

**RELATED PRODUCTS** 

Catalog Number	Description
10LZRS600	Presence detection for building automation and security
10LBA	LZR mounting bracket accessory
10INDBRACKET	Industrial mounting bracket
10PS12-24	UL/ULC listed power supply 12/24 VDC - 1.75 A
10PSVR5T	Voltage regulator, 24 VAC/24VDC
10REMOTE	Universal Remote Control REQUIRED FOR ALL SENSOR ADJUSTMENTS
35.1242	360 in (30 ft), 8 conductor cable

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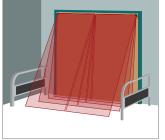


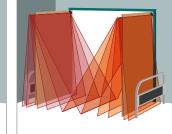




**10MICROSCANMOUNT** 

70.5554





TECHNICAL SPEC	IFICATIONS
Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Presence
Maximum Door Width	20 in to 48 in
	(measured from finished floor to sensor LED)
Mounting Height	78 in to 98 in (6.5 ft to 8 ft) (measured from finished floor to sensor LED)
<b>Remission Factor</b>	> 2%
Angular Resolution	2.56°
Test body (H×W×D)	28 in $\times$ 12 in $\times$ 8 in (according to UL325)
<b>Emission Characteristics:</b> IR laser:	Wavelength 905 nm; Maximum Output Pulse Power 35 W (CLASS 1)
Supply Voltage	12 – 24 VAC ± 5% / 12 – 30 VDC ± 10% (15 W Class II) (Varies per application, contact BEA tech service)
Power Consumption	15 W maximum
Response Time	Typ. 40 ms; Max. 80 ms
Output	4 Electro-mechanic Relays (Polarity Free)
Input	2 Optocouplers (Galvanic Isolated, Polarity Free)
Test Input*	8 – 15 VDC
Temperature Range	-13°F to +121°F (-25°C to +55°C)
Degree of Protection	Hub: IP20/NEMA 1 Sensor: IP53/NEMA 3

### LZR®-MICROSCAN

Standalone, door-mounted, swing door safety system

#### FEATURES & BENEFITS

- Efficient plug & play technology and universal door compatibility greatly reduces installation time
- Centralized Hub with intuitive LCD user interface with simplified three-step programming greatly reduces setup time
- High definition, self-adapting detection zones, coupled with reduced uncovered zones create the most accurate and reliable safety sensor
- BEA's unique "zip code" troubleshooting and on-board error log provide the Industry with the easiest system maintenance solution

TECHNICAL SPE	CIFICATIONS CONT'D
Humidity	0 – 95% Non-condensing
Vibrations	< 2 G
Material	PC/ASA
Norm Conformance	EN 60825-1-Eye-safety class 1 IR laser (905 nm), UL325, UL6730
Mounting Angle (rotational)	35° Fixed
Tilt Angle	0° to 5° (for angles less than 5° contact Technical Support)
Pollution on Front Screens	Maximum 30%; Homogenous

#### See next page for Related Products, Sensor Kits and Optional Mounting Kits information

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### LZR<sup>®</sup>-MICROSCAN (CONTINUED)

Standalone, door-mounted, swing door safety system



#### RELATED PRODUCTS

Catalog Number	Description
10LZRMICROLEFT	Left LZR-microscan sensor
10LZRMICRORIGHT	Right LZR-microscan sensor
10LZRMICROSCANHUB	LZR-microscan hub
10DOORSWITCH	Universal Kit ON/OFF/HOLD OPEN switch
20.5096	Eagle harness
20.5095	Power supply harness
20.5222	Door control harness
20.5304	System harness
20.5310	ON/OFF/Hold open switch jumper
20.5320	"Y" cable Microscan hub to Microscan harness
20.5322	Plug-n-play harness for Horton 4190
30.5558	Universal kit power supply
30.5580	2-wire switch
35.1326	Master sensor harness
35.1327	Slave sensor harness
41.7922	Left pass-through sensor end cap
41.7923	Right pass-through sensor end cap
41.8632	End cap screws
50.0046	Velcro tabs
50.0048	Spacer mount screws
50.0078	Jamb cap kit
50.1818	Spacer mount screws (metal)
50.5282	Spacer mount screws (wood)
50.5283	Magnetic door position switch 0.75 in gap, NO, SPST, flush mount
70.0202	26 inch standard door cord loop
70.5554	Sensor spacer
75.5754	LZR-microscan mounting template
78.0053	LZR-microscan wiring matrix

SENSOR KITS

Catalog Number	Description
	Single door kit
10LZRMICROSCAN1	<ol> <li>(1) left sensor, (1) right sensor, (1) hub,</li> <li>(1) master harness, (1) slave harness,</li> <li>(1) door control harness, (1) home switch,</li> <li>(1) door loop/cap kit, (1) sensor spacer</li> </ol>
10LZRMICROSCAN1U	<ol> <li>(1) 10LZRMICROSCAN1, (1) power supply,</li> <li>(1) ON/OFF/HOLD OPEN switch</li> </ol>
10LZRMICROSCAN2	Pair/Dual Egress door kit (2) left sensors, (2) right sensors, (1) hub, (2) master harnesses, (2) slave harnesses, (2) door control harnesses, (2) home switches, (2) door loops/cap kits, (2) sensor spacers
10LZRMICROSCAN2U	(1) 10LZRMICROSCAN2, (1) power supply, (1) ON/OFF/HOLD OPEN switch

#### OPTIONAL MOUNTING KITS

Catalog Number 10MICROSCAN- MOUNT	<b>Description</b> Narrow frame door mounting kit
10MICROSCAN-Y	Glass/Fire door mounting kit includes: (1) 20.5320 - "Y" cable Microscan hub to Microscan harness (1) 70.0202 - 26 inch standard door cord loop (1) 55.0078 - Door loop end cap for door frame











### **MICROCELL**

Photo beams for automatic door safety

**@IDA** 

#### FEATURES & BENEFITS

Easy installation on pedestrian and industrial doors

dhi Door and Hardware Institute

- LED indicators for detection alignment • and other troubleshooting issues
- Can be mounted as low as 12 inches from • the floor
- Maximum range of detection of 197 inches, • with an 8° alignment tolerance
- Relay can be set as normally open or • normally closed

|--|--|

#### ECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence (Beam Interruption)
Min. Mounting Height	8 in above ground
Min. Distance Between Beams	12 in (crossed beams)
Min. Distance from Door Plane	.8 in
Min. Range of Detection	39 in
Max. Range of Detection	197 in when mounted 8 in above ground
Alignment Tolerance	8°
Response Time	≤ 40 ms
Hold Time	300 ms
Supply Voltage	12 to 24 VAC; ±10% 12 to 24 VDC; -5% / +30%
Power Consumption	< 100 mA
Output Max. Voltage Max. Current Voltage Drop	Open collector transistor (NPN or PNP) 30 VDC 20 mA < 2 V @ 20 mA
Signal	1 LED per Barrier
Adjustment (via DIP Switch)	Single / Double barrier, Standard / Inverted outputs, Reduced / Nominal range, Test position
<b>Operating Temperature</b>	-4°F to 131°F
Cable Length	196 in; 393 in optional
Material	ABS
Immunity Sunlight Incandescent Lamp Electromagnetic Compatibility	75,000 lux 25,000 lux @ 8° angle According to 89/336/EEC

#### TECHNICAL SPECIFICATIONS CONT'D

Housing Color	Sensors: black Control box: blue transparent	
Dimensions Head Housing (H × s Head Collar (Ø) Control Box (L × W	0.6 in	
RELATED PRODUCTS		
Catalog Number	Description	
10MICROCELL1S	Single safety beam with control box-18 ft cable	
10MICROCELL1SL	Single safety beam with control box-30 ft cable	
10MICROCELL1D	Double safety beam with control box-15 ft cable	
10MICROCELL1DL	Double safety beam with control box-30 ft cable	
10MICROCELL- ADAPTER	Wiring kit to retrofit BEA Microcell beams where Optex beams are currently installed. Must order with part number 20.0035 and the 10MICROCONTROL	
10MICROCONTROL	Microcell control box	
10MICRO1SADAPT	Microcell single beam adapter kit allows for Microcell beams to replace Optex beams without running a new cable (1) set of Microcell emitter / reciever heads, (1) 10MICROCELLADAPTER, (1)10MICROCONTROL	
10MICRO1DADAPT	Microcell single beam adapter kit allows for Microcell beams to replace Optex beams without running a new cable (2) sets of Microcell emitters / reciever heads, (2) 10MICROCELLADAPTER, (1)10MICROCONTROL	
20.0035	3 in Emitter and 3 in Receiver, ordered as a set	
20.0045	Jamb cap kit with screws	
20.0055	Emitter and Receiver 30 ft cable set	

Emitter and Receiver 18 ft cable set

20.0056

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**10QSMASTER** 





#### TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Mounting Height	43 in to 118 in (3.5 ft to 9.8 ft)
Max. Number of Modules	4; 6 if 24 VDC
Detection Field at Finished Floor (W × D × H) with 4 active spots	15.75 in × 2.37 in @ 78 in
<b>Input</b> Max. Contact Voltage Voltage Threshold	1 Optocoupler Free of Potential Contact 30 V High: >10 VDC; Low: <1 VDC
Output Max. Contact Voltage Max. Contact Current Max. Switching Power	2 Relays Free of Potential Contact 42 V AC/DC 1 A (Resistive) 30 W (DC); 60 VA (AC)
Supply Voltage	12 V to 24 VAC ±10% 12 V to 30 VDC -5%; +10%
Max Power Consumption (EACH MODULE)	65 mA @ 24 VAC 75 mA @ 24 VDC
Object Reflectivity	Min. 5% @ IR-wavelength of 850 nm
Degree of Protection	IP53
Temperature Range	-13°F to +131°F 0 to 95% Relative Humidity, Non-condensing
Norm Conformance	EMC 2004/108/EC; MD 2006/42/EC; EN ISO 13849-1:2008; Performance Level CAT 2; EN 12978

Door mounted, active infrared safety sensor with background suppression

**QUADSCAN** 

#### FEATURES & BENEFITS

EXAMPLE A Service Andrew Andre

- Easy installation and set up without need for remote control
- Independent relays for approach and safety side
- Four DIP switches for user friendly adjustments
- Master slave configuration for ease of wiring
- Universal module for both leading edge and hinge side protection
- External monitoring\* for improved system safety

External monitoring requires a monitoring capable door control

#### RELATED PRODUCTS

Catalog Number	Description
10QUADSCANI	1 Module, 34.5 in end cap to end cap
10QUADSCANICUSTOM	1 Module, custom length, min size 14 in
10QUADSCANII	2 Modules, 34.5 in end cap to end cap
10QUADSCANII40	2 Modules, 40 in end cap to end cap (for a 42 in door)
10QUADSCANIICUSTOM	2 Modules, custom length, min size 26.5 in
10QUADSCANIII	3 Module, 34.5 in end cap to end cap
10QUADSCANIIICUSTOM	3 Modules, custom length
10QUADSCANIVCUSTOM	4 Modules, custom length
10QSMASTER	Single Quadscan module
10SSQD	Quick disconnect for Quadscan - one needed per door
10CAPKITQUAD	(1) left/(1) right end cap and mounting screws
20.5259	Quadscan main harness, 108 in
35.1111	Sync cable that connects modules together -17.7 in
41.5986	Lens cover, ordered per inch - stocked in 102 in lengths
41.8202	Aluminum housing, ordered per inch - stocked in 102 in lengths

Please contact BEA before installing Quadscan to ensure proper performance in select applications





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1





ON NING

10BR3

**10STRIKEXXX** 

10MAGLOCKXXX



TECHNICAL SPECIFICATIONS



## Focused active infrared request to exit sensor

#### FEATURES & BENEFITS

**RELATED PRODUCTS** 

**dhi** Door and Hardware Institute

LISTED

• UL 294 Listed

DASMA.

- Adjustable tilt angle from 0° to 10°
- Adjustable detection range from 20 to 48 inches
- Low profile sensor mounts on or above the door frame
- Multiple re-locking modes for timed or door position conditions
- Relay output consists of two Form "C" contacts for NO/ NC wiring
- Three DRY auxiliary inputs: request to exit, card reader and push button

TECHNICAL SPEC	
Technology	Active Infrared
Detection Mode	Presence
Supply Voltage	12 to 24 VAC/VDC; ±10% @ 60 Hz
<b>Power Consumption</b> Sounder OFF Sounder MAXIMUM	155 mA 200 mA
Temperature (UL Install)	+32°F to +120°F
Temperature	–20°F to +120°F
Humidity (UL Install)	0% to 85%
Humidity (non-condensing)	0% to 93%
Relay	2 Form "C" contact sets; 1.3 A @ 24 VAC / 30 VDC
Hold Time	0.5 to 60 s
DRY Exit Input	Normally Open (I/O via DIP)
DRY Card Reader Input	Normally Closed (I/O via DIP)
DRY DPS Input	Normally Open (I/O via DIP)
Adjustable Detection Zone	Vertical: 20 to 48 inches Depth Angle: 0°, 5°, or 10° from face of the door
Dimensions (L × W × H)	6.875 in × 2 in × 1.875 in
Material	ABS plastic/ acrylic
Wiring Interface	JST (14 Pin) with 4 ft cable
Degree of Protection	UL 294 / ULC S319 FCC Part 15 B

Catalog Number	Description
10R2E100	UL/ ULC Listed, active infrared request-to-exit detector specifically designed for access control applications
10BR3	Programmable 3 relay logic module with up to 12 unique functions commonly used for time delay, latching, electric locking devices, interlocking and sequencing

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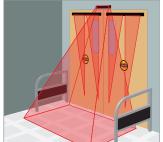
## **SUPERSCAN**

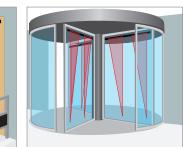


**10SSMASTER** 

**10SSSLAVE** 







#### TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence
Measurement of Distance	Triangulation
Supply Voltage	12 to 24 VAC ± 10% / 12 to 24 VDC + 10%
Detection Range	0 in to 96 in (0 ft to 8 ft)
<b>Detection Signal Duration</b>	Infinite presence detection
Output	Single relay
Maximum Contact Rating Hold Time	1 A @ 30 V (resistive) 0.1 to 4.5 s
LED Indications	Master: Red LED = Detection Green LED = Active Output Slave: Red LED = Detection

Door mounted, active infrared safety sensor

#### FEATURES & BENEFITS

- Master with up to 8 slaves monitored or up to 9 slaves non-monitored
- Housing available up to 48 inches in length; can be field cut to desired door width
- Meets ANSI 156.10 standard for swing • doors when coupled with BEA's Bodyguard
- Mounted at top of door to reduce accidental damage
- Relay hold time can be adjusted from 0.1 to 4.5 seconds
- Unit can be set to background analysis mode to reduce the chance of nondetection from faulty environmental situations

#### TECHNICAL SPECIFICATIONS CONT'D

Operating Temperature Range	-30° F to 140° F
PCB Dimensions	Master: 10.91 in x 1.5 in Slave: 8.75 in x 1.5 in
Max. Number of Slaves	Standard = 9 With monitoring = 8 max.
Functions Selection	Detection mode - NO or NC Normal mode or background analysis mode
Response Time	< 50 ms
Material	Aluminum, ABS plastic / acrylic
Housing Color	Black
Degree of Protection	IP54

#### See page 37 for Related Products information







## **SUPERSCAN INDUSTRIAL**

# Active infrared presence sensor

## FEATURES & BENEFITS

- Detection zone of 2 to 96 inches
- Master with up to 8 slaves monitored or up to 9 slaves non-monitored
- Housing available up to 48 inches in length; can be field cut to desired door width
- Can be mounted vertically or horizontally based on application
- Low profile design reduces accidental damage
- Relay hold time can be adjusted from 0.1 to 4.5 seconds
- Unit can be set to background analysis mode to reduce the chance of nondetection from faulty environmental situations

TECHNICAL SPECIFICATIONS CONT'D

Operating Temperature Range	-30° F to 140° F
PCB Dimensions	Master: 10.91 in x 1.5 in Slave: 8.75 in x 1.5 in
Max. Number of Slaves	Standard = 9 With monitoring = 8 max.
Functions Selection	Detection mode - NO or NC Normal mode or background analysis mode
Response Time	< 50 ms
Material	Aluminum, ABS plastic / acrylic
Housing Color	Black
<b>Degree of Protection</b>	IP54

## See page 37 for Related Products information





**10SSMASTER** 

10SSSLAVE



## TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence
Measurement of Distance	Triangulation
Supply Voltage	12 to 24 VAC ± 10% / 12 to 24 VDC + 10%
Detection Range	0 in to 96 in (0 ft to 8 ft)
<b>Detection Signal Duration</b>	Infinite presence detection
Output	Single relay
Maximum Contact Rating Hold Time	1 A @ 30 V (resistive) 0.1 to 4.5 s
LED Indications	Master: Red LED = Detection Green LED = Active Output Slave: Red LED = Detection

## SUPERSCAN/INDUSTRIAL (CONTINUED)

Product series and accessories

## RELATED PRODUCTS CONT'D

	RELATED PROD	UCTS CONT'D
	10SSMASTER	SuperScan master unit (no housing)
	10SSQD	Quick disconnect for SuperScan - one needed per door
	10GTSSHARN	SuperScan/Bodyguard gyrotech relay harness
	10SSHARDWARE	SuperScan hardware kit Includes cord sheath, jamb caps with screws and end caps with screws
	10САРКІТ	(1) Left/ (1) right end cap and mounting screws
	10LE21	Lock out module for low energy doors that inhibits approach-side SuperScan sensors on automatic doors when used manually
	20.0103	Ribbon connector cable connects masters and slaves
ors)	20.0111	6 conductor cable, cut to 108 inches (9 ft)
	41.3879	Adjustable mounting clips for master and slave
	55.0001	Door cord jamb cap and screw
	70.0025	Aluminum housing- ordered per inch - stocked in 102 inch lengths
	70.0046	Aluminum housing cut to 33 inches (for a 34.5 inch SuperScan)
I.	70.0048	Aluminum housing cut to 38.5 inches (for a 40 inch SuperScan)
)	70.0049	Aluminum housing cut to 40.5 inches (for a 42 inch SuperScan)
/	70.0050	Aluminum housing cut to 46.5 inches (for a 48 inch SuperScan)
	70.0138	Lens cover, ordered per inch - stocked inch 102 inch lengths
	70.0202	Standard 26 inch SuperScan door cord sheath, ordered per piece
	70.0203	Lens piece cut to standard 33 inch lens (for a 34.5 inch SuperScan)
	70.0304	SuperScan hardware kit Includes cord sheath and jamb caps with screws
	70.0319	Lens piece cut to 38.5 inches (for a 40 inch SuperScan)
	70.0320	Lens piece cut to 40.5 inches (for a 42 inch SuperScan)
	70.0321	Lens piece cut to 46.5 inches (for a 48 inch SuperScan)



Catalog Number	Description
10SSI	1 Master 34.5 inch end cap to end cap
10SSICUSTOM	1 Master Custom Length (13 inch min.)
1055140	1 Master 40 inch end cap to end cap (for 42 inch doors)
1055142	1 Master 42 inch end cap to end cap (for 44 inch doors)
1055148	1 Master 48 inch end cap to end cap (for 50+ inch doors)
105SII	1 Master 1 Slave 34.5 inch end cap to end cap
10SSIICUSTOM	1 Master 1 Slave Custom Length, (24.5 inch min., for 36 inch doors)
10551140	1 Master 1 Slave 40 inch end cap to end cap (for 42 inch doors)
10551142	1 Master 1 Slave 42 inch end cap to end cap (for 44 inch doors)
10551144	1 Master 1 Slave 44 inch end cap to end cap (for 46 inch doors)
10551148	1 Master 1 Slave 48 inch end cap to end cap (for 50+ inch doors)
1055111	1 Master 2 Slaves 34.5 inch end cap to end cap (for 36 inch doors)
10SSIIICUSTOM	1 Master 2 Slaves Custom Length (34.5 inch min.)
10SSIVCUSTOM	1 Master 3 Slaves Custom Length (46.5 inch min.)
10SSVCUSTOM	1 Master 4 Slaves Custom Length
10SSVICUSTOM	1 Master 5 Slaves Custom Length
10SSVIICUSTOM	1 Master 6 Slaves Custom Length
10SSVIIICUSTOM	1 Master 7 Slaves Custom Length
10SSSLAVE	SuperScan slave unit includes ribbon connector (no housing)





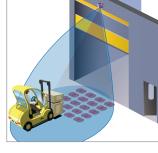






**10REMOTE** 

**10INDBRACKET** 





DASMA.

## TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar	Active Infrared
LED Signal	Green (Activation Relay)	Red (Presence Relay)
Radiated Frequency	24.175 GHz	875 nm
Radiated Power Density	< 5 mW/cm2	< 250 mW/m2
Detection Mode	Motion	Presence
Max. Detection Field (IS40)	156 in x 192 in	120 in x 120 in
Max. Detection Field (IS40XL)	156 in × 78 in	90 in × 90 in
Output Hold Time	0.5 s to 9 s	0.5 s
Minimum Target Speed	2 in/s in sensor axis	0 in/s
Radar Angle/ Sensor Angle	-8° to 22° (Relative to sensor face)	15°, 30°, 45°
Sensor Tilt Angle	15° to 45°	
Supply Voltage	12 to 24 VAC ±10% 12 to 24 VDC +30% / -5%	
Mains Frequency	50 to 60 Hz	
Power Consumption	< 3.5 W	
Relay Output	2 Relays with switch-over contact (voltage free)	
Max. Voltage Max. Current Max. Switching Power	60 VDC / 125 VAC 1A (resistive) 30W (DC) / 60VA (AC)	
Temperature Range	-22°F to +140°F	

Dual technology sensors for industrial doors

## FEATURES & BENEFITS

 Bidirectional, unidirectional approach and unidirectional depart microwave detection options

**NEMA** 

- Six modes of detection filtering are available for microwave immunity, as well as pedestrian and parallel traffic rejection
- Nine unique infrared patterns capable of highly flexible presence detection in any industrial environment
- Up to seven minimum object target sizes allow the user to detect objects of various desired sizes
- Adjustable infrared immunity modes mitigate environmental disturbances such as subtle door vibrations, light, sun, rain and snow

## TECHNICAL SPECIFICATIONS CONT'D

Installation Height	IS40: 96 in - 192 in (8 ft - 16 ft) IS40XL: 78 in - 138 in (6.5 - 11.5 ft)
Dimensions	5 in × 4 in × 3.75 in
Material: Housing/ Face	ABS & Polycarbonate
Cable Length	360 in
Degree of Protection	NEMA 4 / IP65
Norm Conformance	Electromagnetic compatibility (EMC) according to 2004/108/EEC, R&TTE: 1999/5/EC

## RELATED PRODUCTS

Catalog Number	Description
101540	Dual technology industrial sensor utilizing microwave motion and active infrared presence detection
10IS40XL	Dual technology industrial sensor utilizing microwave motion and active infrared presence detection
10INDBRACKET	Heavy duty extension bracket - adjustable from 20 in to 36 in
10SPOTFINDER	Improved active infrared Spotfinder that increases accuracy thereby reducing installation and maintenance time
10REMOTE	Universal Remote Control

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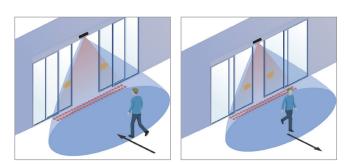




**10IMB** 

10IRA

**10ICA** 



## TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar	Active Infrared
Detection Mode	Motion	Presence
Transmitter Frequency	24.150 GHz	N/A
Transmitter Radiated Power	< 20 dBm EIRP	N/A
Transmitter Power Density	< 5 mW/cm <sup>2</sup>	N/A
Spot Size	N/A	2 in × 2 in
Max. Number of Spots	N/A	24 per curtain
Max. Number of Curtains	N/A	2
Supply Voltage	12 to 24 VAC 50/60 Hz 12 to 30 VDC	
Output Maximum Contact Current Maximum Contact Voltage Hold Time		
Power Consumption	< 2.5 W	
Mounting Height	78 in - 138 in (6.5 ft - 11.5	ft)
Temperature Range	Sensor: -31°F to +131°F LCD: 14°F to +131°F 0 to 95% relative humidity,	non condensing

Activation and safety sensor for automatic sliding doors

**IXIO-DT1** 

## FEATURES & BENEFITS

- Ten microwave activation sensitivity settings and three infrared safety immunity settings
- Ability to distinguish between approaching and departing traffic
- Two 24 spot, high-density, infrared safety curtains providing precise presence detection
- Four visible red alignment spots are projected on the ground to assist in precise IR curtain adjustment
- Intelligent programming and troubleshooting via a menu-driven LCD

## TECHNICAL SPECIFICATIONS CONT'D

Degree of Protection	IP54
Norm Conformance	R&TTE 1999/5/EC; EMC 2004/108/EC; MD 2006/42/EC; RoHS 2002/95/EC
Dimensions (D x W x H)	2.25 in x 10.6 in x 2.27 in
Cable Length	360 in (30 ft)

Catalog Number	Description
10IXIODT1	Dual technology sensor for sliding doors
10IXIODT1V	IXIO-DT1 with integrated video
10ICA	IXIO ceiling accessory
10IMB	IXIO bracket accessory
10IRA	IXIO rain accessory
10IXIOSPACER	Black, plastic spacer
10REMOTE	Universal Remote Control
20.5294	IXIO wire harness, 120 in (10 ft) length
20.5302	Harness for Optex - IXIO conversion
35.1286	Black replacement cover
35.1302	White replacement cover
35.1303	Silver replacement cover
70.0173	Wide microwave antenna for IXIO and Eagle
70.0182	Narrow microwave antenna for IXIO and Eagle



**10ICA** 





## **IXIO-DT1 INDUSTRIAL**

Activation and safety sensor for interior industrial doors

## FEATURES & BENEFITS

- Ten microwave activation sensitivity settings and three infrared safety immunity settings
- Ability to distinguish between approaching and departing traffic
- Two 24 spot, high-density, infrared safety curtains providing precise presence detection
- Four visible red alignment spots are projected on the ground to assist in precise IR curtain adjustment
- Intelligent programming and troubleshooting via a menu-driven LCD

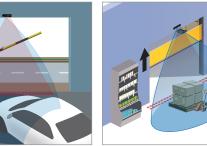
## TECHNICAL SPECIFICATIONS CONT'D

Degree of Protection	IP54
Norm Conformance	R&TTE 1999/5/EC; EMC 2004/108/EC; MD 2006/42/EC; RoHS 2002/95/EC
Dimensions (D x W x H)	2.25 in x 10.6 in x 2.27 in
Cable Length	360 in (30 ft)

## RELATED PRODUCTS

Catalog Number	Description
10IXIODT1INDUST	Dual technology industrial sensor utilizing microwave motion and active infrared presence sensor
10ICA	IXIO ceiling accessory
10IMB	IXIO bracket accessory
10IRA	IXIO rain accessory
10IXIOSPACER	Black, plastic spacer
10REMOTE	Universal Remote Control
20.5294	IXIO wire harness
35.1286	Black replacement cover
35.1302	White replacement cover
35.1303	Silver replacement cover
70.0173	Wide microwave antenna for IXIO and Eagle HM
70.0182	Narrow microwave antenna for IXIO and Eagle





## TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar	Active Infrared
Detection Mode	Motion	Presence
Transmitter Frequency	24.150 GHz	N/A
Transmitter Radiated Power	< 20 dBm EIRP	N/A
Transmitter Power Density	< 5 mW/cm <sup>2</sup>	N/A
Spot Size	N/A	2 in × 2 in
Max. Number of Spots	N/A	24 per curtain
Max. Number of Curtains	N/A	2
Supply Voltage	12 to 24 VAC 50/60 Hz 12 to 30 VDC	
<b>Output</b> Maximum Contact Current Maximum Contact Voltage Hold Time	Solid-state-relay (potential a 400 mA 42 VDC Microwave: 0.5 to 9 s (user Infrared: 0.3 s if < 4 s*, 1 s (*if in detection for).	adjustable)
Power Consumption	< 2.5 W	
Mounting Height	78 in – 168 in (6.5 ft - 14 ft)	)
Temperature Range	Sensor: -31°F to +131°F LCD: 14°F to +131°F 0 to 95% relative humidity,	non condensing



## **IXIO-DT1V**

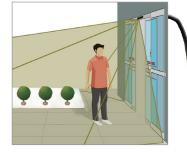






10.1279

**10REMOTE** 





# with camera for sliding doors

Activation and safety sensor

## FEATURES & BENEFITS

- Provides an SDTV camera that shoots 30 frames per second of Enhanced Definition footage
- Integrates with building surveillance systems
- Video replacement kit available to upgrade any IXIO in the field
- Ten microwave activation sensitivity settings and three infrared safety immunity settings
- Ability to distinguish between approaching and departing traffic

## TECHNICAL SPECIFICATIONS

**SENSOR SPECS** 

See IXIO-DT1 (page39)

## CAMERA

Supply Voltage	6.6 – 36 VDC; ±10% 6.0 – 28 VAC; ±10%
<b>Operating Temperature</b>	-30° – 60° C (RH 95% max)
Video Output	1.0 (Vp-p) / 75Ω
Image Sensor	CMOS
Horizontal Resolution	480 TVL
NTSC Output	720 (H) × 480 (W)
Sync System	Inter-Sync
Frame Rate	30 fps
Minimum Illumination	0.01 LUX
AE Control	Auto
Gain Control	Auto
Electronic Shutter	1 s ~ 1/10,000 s
S/N Ratio	>50 dB
AWB	Auto

Catalog Number	Description
10IXIODT1	Dual technology sensor for sliding doors
10IXIODT1V	IXIO-DT1 with integrated video
10IXIOSPACER	Black, plastic spacer
10JAMBCAM	Jamb camera system (includes camera, housing and power supply)
10REMOTE	Universal Remote Control
10.1279	10IXIODT1V cover only and power supply harness
20.5294	IXIO wire harness, 120 in (10 ft) length
20.5308C	Camera harness and power supply CAN ONLY BE USED WITH THE 10IXIODT1V
35.1286	Black replacement cover
35.1302	White replacement cover
35.1303	Silver replacement cover
70.0173	Wide microwave antenna for IXIO and Eagle HM
70.0182	Narrow microwave antenna for IXIO and Eagle



## LPR36

36 inch full length actuator

## FEATURES & BENEFITS

(ANSI

 Activation area of 36 x 6 inches (216 square inches)

dhi loor and Hardware Institute

- Low profile (1 inch deep) design provides superior aesthetics
- Aluminum base with stainless steel faceplate
- Clear powder-coat finish improves durability in interior and exterior environments
- Exceeds California Building Code: 1117B.6
- Easy installation on walls or bollards
- Optional built-in wireless transmitter

### RELATED PRODUCTS

Catalog Number	Description
10LPR36-300	300 MHZ Text & Logos
10LPR36L-300	300 MHZ Logos only
10LPR36-433	433 MHZ Text & Logos
10LPR36L-433	433 MHZ Logos only
10LPR36-900	900 MHZ Text & Logos
10LPR36L-900	900 MHZ Logos only
10LPR36-HW	Hard wired only, Text & Logos
10LPR36L-HW	Hard wired only, Logos only
10LPRCAPKIT	Includes top and bottom replacement caps for the 10LPR36
10WCK433	Converts LPR36 from hardwired to wireless for 433 frequency
10WCK900	Converts LPR36 from hardwired to wireless for 900 frequency

### PRODUCT MOUNTING OPTIONS

	* Wireless receiver NOT included
10BOLLARDBRZWOH	Bronze bollard non-drilled
10BOLLARDBLKWOH	Black bollard non-drilled
10BOLLARDSLVWOH	Silver bollard non-drilled

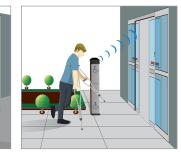
(see pages 52 - 54)



10BOLLARDXXX

10LPR36-433





10LPR36-900

## TECHNICAL SPECIFICATIONS

Contact Configuration	SPST N.O.
Switching Voltage	.1 to 50 VDC
Switching Capacity	1 Watt
Switching Current	.005 to 100 mA DC
Contact Bounce	< .3 ms make; < .6 ms break
Trip Force	1.5 lbs
Two Conductor Cabling	24 awg
Operation Temperature	-32° F to +212° F -35° C to +100° C
Contact Life	2 million cycles
Transmitter Frequency	300, 433, or 900 MHz
Dimensions	39 in x 6 in x 1 in
Membrane Switches	4 Redundant Switches
Base Plate	Aluminum
Faceplate	Stainless Steel with powder-coat finish
Switch Actuator	Nylon 6/6
End Cap	ABS
Code Compliance	California 1117B.6

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**OIDA** 

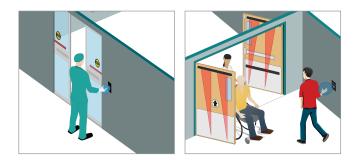
Mater DASMA, 14 an Event Market Material

ALA

AADM







## TECHNICAL SPECIFICATIONS

<b>Technology</b> Radiated Frequency Transmitter Radiated Power Radiated Power Density	Microwave Doppler Radar 24.125 GHz < 20 dBm EIRP < 5 mW/cm2
Detection Mode	Motion (bidirectional)
Detection Range	4 to 24 inches (adjustable)
Output Maximum Contact Voltage Maximum Contact Current Maxinum Switching Power	Relay with switch-over contact (free of potential) 60 VDC; 125 VAC 1 A (resistive) 30 W (DC); 60 VA (AC)
Output Hold Time	0.5 s (in pulsed mode)
Supply Frequency	50 to 60 Hz
Supply Voltage	12 to 24 VAC ± 10% 12 to 24 VDC + 30%; - 10%
Power Consumption	< 1.5 W
Material / Colors	ASA, Nylon, PC / Black, White, Cream
Cable Type	Standard cable up to 16 AWG - 1.5 mm2

## PRODUCT MOUNTING OPTIONS

10BOX24SGSM

Standard single gang surface mount box (2.75 x 4.5 in)

10BOXDGSM

Standard double gang surface mount box (4.5 x 4.5 in)

## **MAGIC SWITCH: MS08**

Adjustable range touchless actuator

## FEATURES & BENEFITS

- Detection zone from 4 to 24 inches (pulse or toggle)
- Silent activation for hospitals and other noise-sensitive environments
- Water-resistant foam gasket provides increased reliability when exposed to liquid or cleaning products
- Low profile, beveled design reduces chance of accidental damage in high traffic areas
- Available in white, black or cream faceplate; options for single or double gang boxes
- Multiple faceplate graphic options available
- Inter-operates with all automatic door control makes and models

Catalog Number	Description
10MS08U	Touchless "push plate" includes single and double gang black face plates
10MS08UCUSTOM	10MS08U plus choice of any one of the additional faceplates
10MS08UR	Integrated 900 MHz wireless transmitter eliminates need for extra wires
70.5226	Single gang black with text
70.5227	Double gang black with text
70.5268	Single gang white with text
70.5269	Double gang white with text
70.5270	Single gang cream with text
70.5271	Double gang cream with text
70.5272	Single gang solid black
70.5273	Double gang solid black
70.5274	Single gang solid white
70.5275	Double gang solid white
70.5276	Single gang solid cream
70.5277	Double gang solid cream
70.5278	Single gang black with handicap logo only
70.5279	Double gang black with handicap logo only









## TECHNICAL SPECIFICATIONS

Technology Radiated Frequency Transmitter Radiated Power Radiated Power Density	Microwave Doppler Radar 24.125 GHz < 20 dBm EIRP < 5 mW/cm2
Detection Mode	Motion (bidirectional)
Detection Range	4 to 24 inches
Output Maximum Contact Voltage Maximum Contact Current Maxinum Switching Power	Relay with switch-over contact (free of potential) 60 VDC; 125 VAC 1 A (resistive) 30 W (DC); 60 VA (AC)
5	
Output Hold Time	0.5 s (in pulsed mode)
Supply Frequency	50 to 60 Hz
Supply Voltage	12 to 24 VAC ± 10% 12 to 24 VDC + 30%; – 10%
Power Consumption	< 1.5 W
Material / Colors	ASA, Nylon / White
Cable Type	Compatible with standard, 4-conductor low voltage cable cable not supplied)
Temperature Range	-4°F to +131°F
Degree of Protection	NEMA 4 / IP65
Norm Conformance	EMC: 2004 / 108 / EC; FCC: G9B-MS08; IC: 4680A-MS08
Dimensions	3.25 in x 3.25 in x 2.25 in

## **MAGIC SWITCH: MS09**

NEMA4

NEMA 4 rated, microwave touchless actuator

## FEATURES & BENEFITS

DASMA.

 NEMA 4 (IP65) enclosure capable of use in industrial and extreme washdown environments

- User defined detection zone from 4 to 24 inches (pulse or toggle)
- Two faceplate options, Logo only and Text/Logo
- Perfect switch/activation solution for industrial applications such as chemical, petroleum or food service environments
- Can be used in a variety of outdoor and off-door applications
- Inter-operates with all automatic door control makes and models

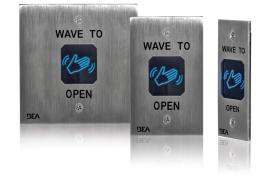
## RELATED PRODUCTS

Catalog Number	Description
10MS09TL	Wave to Open text and logo
10MS09L	Hand wave logo only

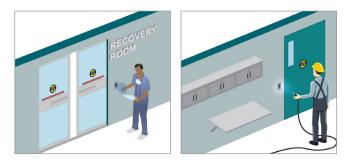
External mounting boxes are not required







NEMA RATED ENCLOSURE Mater Construction Construct



## TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Detection Mode	Motion (bidirectional), Toggle or Timed Mode
Sensing Zone	2 to 24 inches (adjustable)
Hold Time	1 to 30 s
Remission Factor	Silent Mode or Signal Mode Blue (Standby) Green (Activation)
Supply Voltage	12-24 V AC/DC or +5 VDC
Power Consumption	< 2.8W
Temperature Range	-22° F to 158° F
Degree of Protection	NEMA 4 / IP65
Relay	1-Form C Solid State Relay 1A 30VAC/VDC (max)
Dimensions (Overall)	Single Gang: 4.5 in × 2.75 in × 0.98 in Double Gang: 4.5 in x 4.5 in x 0.98 in Jamb: 4.5 in × 1.68 in × 0.98 in
Wire Harness Length	12 in
Material	Stainless Steel (faceplate)/ ABS (center)

## **MAGIC SWITCH: MS11**

Adjustable range, stainless steel touchless actuator

## FEATURES & BENEFITS

AADM

- NEMA 4 (IP65) enclosure capable of use in industrial and extreme washdown environments
- Illuminated blue center changes to green upon signal reception/activation
- Adjustable sensing zone from 2 to 24 inches (pulse or toggle)
- Adjustable audible alert setting, including silent-mode required for hospitals and other noise-sensitive environments
- Configurable output hold time of 1 to 30 seconds allowing unique, user-defined device placement
- Inter-operates with all automatic door control makes and models

## RELATED PRODUCTS

Catalog Number	Description
10MS11D	Stainless steel double gang
10MS11J	Stainless steel jamb style
10MS11S	Stainless steel single gang

## PRODUCT MOUNTING OPTIONS

10BOX24SGSM	Standard single gang surface mount box (2.75 x 4.5 in)
10BOXDGSM	Standard double gang surface mount box (4.5 x 4.5 in)
10BOXJAMBST	Jamb mount box







NEMA4

Short-range touchless actuator

## FEATURES & BENEFITS

 Short range detection zone reduces unwanted activations

- LED illuminated mounting ring increases visibility
- Stainless steel faceplate is ideal for harsh environments
- Low profile, beveled design reduces accidental damage
- Various faceplate graphic options available
- Adjustable audible alerts, visual alerts and touchless detections zones
- NEMA 4 enclosure
- Inter-operates with all automatic door control makes and models

# RELATED PRODUCTS

Catalog Number	Description
10MS21HR1	6 inch round, text and logo
10MS21HR	6 inch round, text only
10MS21HRLL	6 inch round, logo only
10MS21HS1	4.75 inch round, text and logo
10MS21HS	4.75 inch round, text only
10MS21HSLL	4.75 inch round, logo only





## TECHNICAL SPECIFICATIONS

Technology	Capacitance
Detection Mode	Proximity
Supply Voltage	12 to 24 VAC / VDC; ±10%
Power Consumption	37 mA
Temperature Range	-20°F to +120°F
Degree of Protection	NEMA 4 / IP65
Detection Zone	Maximum detection zone of up to 4 inches Detection zone is dependent on: Size (area) of an object   orientation of an object   speed of an object   environmental conditions
Relay	1 Form A solid-state relay; 0.4 A, 60 VAC / VDC (Max.)
Cable Length	6 inches (5 conductor)
Material	Stainless Steel (faceplate) Clear Polycarbonate (Mounting Ring, Backplate and Enclosure)





**@IDA** 

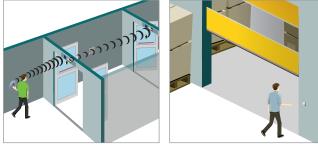
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NEMA4

10TD433XXX



5.12 in × 1.42 in 5.12 in × 1.42 in

Any Flat Surface

NEMA 4 / IP65

433 MHz

Encrypted Rolling Code

12 V Type A23 (included)

FCC IC Part 15 Approved

16 Gauge, 304 2B Stainless Steel

## TECHNICAL SPECIFICATIONS

### Dimensions

EMR6 Series (Ø × D)
EMR475 Series (Ø × D)
EMS475 Series (W2 × D)

Mounting Options

Transmitter Design Transmitter Type

Transmitter Frequency

Power Source Finish

Degree of Protection

	1.
CIFICATIONS	
6.29 in × 1.45 in	

## **PANTHER PLATES**

Push plates with integrated wireless technology

## FEATURES & BENEFITS

- 1/16 inch thick stainless steel for maximum durability
- Completely eliminates the need to run power and/or relay wires
- Concealed fasteners to minimize vandalism
- Available through geographically convenient distribution centers
- Built-in mounting box eliminates the need for additional hardware accessories
- The housing can be directly installed onto any flat surface using standard screws
- Integrated 433 MHz transmitter
- NEMA 4, weather-proof housing

Catalog Number	Description
10EMR61	6 inch round - Handicap logo and Push To Open text
10EMR6	6 inch round - Push To Open text only
10EMR6L	6 inch round - Handicap logo only
10EMR4751	4.75 inch round - Handicap logo and Push To Open text
10EMR475	4.75 inch round - Push To Open text only
10EMR475L	4.75 inch round - Handicap logo only
10EMS4751	4.75 inch square - Handicap logo and Push To Open text
10EMS475	4.75 inch square - Push To Open text only
10EMS475L	4.75 inch square - Handicap logo only
15.5039	Spare PCB for Panther plate
10TD433HH1	1-Button handheld transmitter
10TD433HH2	2-Button handheld transmitter
10TD433HH3	3-Button handheld transmitter
10TD433HH4	4-Button handheld transmitter







## **PUSH PLATES**

Stainless steel push plates

## FEATURES & BENEFITS

- 1/16 inch thick stainless steel for maximum • durability
- Concealed fasteners to minimize vandalism •
- User-friendly kits containing push plates • and accessories available upon request
- Wireless packages available for installer • convenience
- Available through geographically convenient distribution centers
- Various text, graphic and logo options available
- Compatible with both surface and flush mount boxes

RELATED PR	RODUCTS
Catalog Number	Description
10BR3	Programmable 3 relay logic module with up to 12 unique functions commonly used for time delay, latching, electric locking devices, interlocking and sequencing
10TD433PB3V	3-volt transmitter (Two required for Vestibule plate)
10PBJM1	(1.5 in x 4.75 in) Handicap logo and Push to Open text - <b>Microswitch</b>
	*Not illustrated in product series graph
10PBJML	(1.5 in x 4.75 in) Handicap logo only <b>Microswitch</b>
	*Not illustrated in product series graph
10PBJMS1	(1.5 in x 4.75 in) Handicap logo and Push to Open text - <b>Microswitch (hardwired only)</b>
	*Not illustrated in product series graph
10PBJMLL	(1.5 in x 4.75 in) Handicap logo only Microswitch (hardwired only)
	*Not illustrated in product series graph
30.0385	SPDT cherry switch - installed standard on most push plates
30.0388	DPDT cherry switch - optional switch for mos push plates

See page 50 for Bollards information See page 51 for Boxes and Brackets information See pages 52-54 for Transmitters and Receivers information



10**B**R3





**10BOLLARDXXX** 

10RD900



TECHNICAL SPECIFICATIONS			
Faceplate Material	16 gauge, 304 2B Stainless Steel		
<b>Backplate Material</b>	1/8 inch thick, Aluminum		
Mounting Screws	Stainless Steel, 6-32 × 1 in & 8-32 × 1 in Allen Head Size: 5/64		
Cherry Switch	Single-pole, 15A, COM/NO/NC, UL Recognized		
Compatible Wireless Frequencies	900, 433 or 300 MHz		

## PUSH PLATE KITS Catalog Nun

mber	Description
	Screw kit for all 6 inch round and 4.75 inch square plates. Includes: (2) #6 and (2) # 8 screws (2) flag connectors (1) hex key

48

20.0044

PRODUCT									
DESCRIPTION	4.5" ROUND	6" ROUND	4.5" SQUARE	4.75" SQUARE	6" SQUARE	JAMB	SINGLE GANG	VESTIBULE	
PUSH TO OPEN	PUSH TO OPEN	PUSH TO OPEN	PUSH TO OPEN	PUSH TO OPEN	PUSH TO OPEN	Pupon To Orien			
	10PBR45	10PBR	10PBS2GBLK	10PBS	10PBS6	10PBJ			
TEXT AND LOGO	PUSH TO OPEN 10PBR451	PUSH TO OPEN 10PBR1	PUSH TO OPEN	PUSH TO OPEN 10PBS1	PUSH TO OPEN 10PBS61	e num i topp J10 PBJ1	PUSH TO OPEN 10PBO241	j PUSH TO OPEN → 10PBDGP1	
.OGO ONLY	10PBR45LL	10PBRLL	LOPBS45LL	10PBSLL	LOPBS6L	IOPBJL	5 10PBO24L		
PLAIN FACE									
PUSH TO EXIT	10PBR4510	10PBR10	10PBS4510	10PBS10	10PBS610	10PBJ10	10PBO2410		CI
PRESS TO DPERATE DOOR			PRESS • TO • OPERATE DOOR	10PBSE		10PBJE	10PBO24E		KNOWING ACT
PUSH TO SLOW	PUSH TO SLOW								
NHITE DN BLUE PUSH TO OPEN			PUSH TO OPEN 0 10PBS45B						
WHITE DN BLUE TEXT AND LOGO			PUSH TO OPEN 10PBS451B	PUSH TO OPEN 10PBS1B		E STATE			
NHITE DN BLUE .OGO ONLY						Le 10PBJLB			
BLUE DN SATIN BRASS TEXT AND LOGO				USR TO OPEN 10PBS1SB					
BLUE ON BRIGHT BRASS FEXT AND LOGO				10PBS1BB					
					stomerservice	@BEAinc.cor	n   1.800.523.24	462 49	











Bollards

## COMPATIBLE WITH

- 10EMS475 Series 4.75 inch square panther plate (pg 47)
- LPR-36 36 inches high (pg 42)
- PBDGP1 vestibule plate (pg 48-49)
- PBR45 Series 4.5 inch round (pg 48-49)
- PBS Series 4.75 inch square (pg 48-49)
- PBS45 Series 4.5 inch square (pg 48-49)

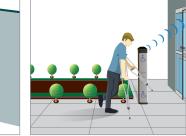
TECHNICAL SPE	CIFICATIONS	RELATED PR	Ο D U C T S
Dimensions	6.5 in x 41.5 in x 4.5 in	Catalog Number	Description
(with cap attached)		10BOLLARDBLK	Mounting po Black
Material Post Cap	Powder-Coated (Inside and Out) Carbon Steel UV-Resistant ABS Plastic	10BOLLARDSLV	Mounting pos Silver
Bracket	Stainless Steel	10BOLLARDBRZ	Mounting po: Bronze
Pushplate Options	4.5 in Square Pushplate, 4.75 in Square Pushplate, 4.75 in Square Panther Pushplate,	10BOLLARDBLKWOH	Mounting no
	4.5 in Round Pushplate, Dual Vestibule Pushplate and LPR-36 Inch Full Length Actuator	10BOLLARDSLVWOH	Mounting pos White
Weight	35 lbs (16 kilos)	10BOLLARDBRZWOH	Mounting po Bronze
Color	Black, Bronze, Silver		Bollard hardv
Hardware Included		50.0071	bolts, underc
Post	Screws (4) Screws (3) and Finishing Washers (3)	50.0072	U shaped bol
Сар	Expansion Anchors (4), Lock Washers (4)	50.0073	Plastic transm
Bracket	and Nuts (4)	70 0195	Bollard can

Catalog Number	Description
10BOLLARDBLK	Mounting post for stainless steel push plates- Black
10BOLLARDSLV	Mounting post for stainless steel push plates- Silver
10BOLLARDBRZ	Mounting post for stainless steel push plates- Bronze
10BOLLARDBLKWOH	Mounting post without precut mounting holes- Black
10BOLLARDSLVWOH	Mounting post without precut mounting holes-White
10BOLLARDBRZWOH	Mounting post without precut mounting holes- Bronze
50.0071	Bollard hardwire pack, includes compression bolts, undercut screws and washers
50.0072	U shaped bollard mounting bracket
50.0073	Plastic transmitter shelf for bollard
70.0195	Bollard cap

KNOWING ACT DEVICES



50.0072













50.5016 10ESCUTCHEON45



### RELATED PRODUCTS

### **Catalog Number** Description Standard double gang surface mount box **10BOXDGSM** (4.5 x 4.5 in) 10BOXDG4H Plastic mount box (4 x 4 x .5 in) Standard single gang surface mount box 10BOX24SGSM (2.75 x 4.5 in) PBS45 series flush mount box 10BOX45SQFM (4.5 in square) PBS45 series surface mount box 10BOX45SQSM (4.5 in square) PBR45 series flush mount box 10BOX45RNDFM (4.5 in round) PBR45 series surface mount box 10BOX45RNDSM (4.5 in round)PBS series flush mount box 10BOX475SQFM (4.75 in square) PBS series surface mount box 10BOX475SQSM (4.75 in square) PBS6 series flush mount box 10BOX6SQFM (6 in square) PBS6 series surface mount box 10BOX6SQSM (6 in square) 10BOX6RNDFM PBR series flush mount box (6 in round) 10BOX6RNDSM PBR series surface mount box (6 in round)

## **PUSH PLATE ACCESSORIES**

Boxes and Brackets

## COMPATIBLE WITH

NA.

AADM

- LPR-36 Series 36 inches high (pg 42)
- PBDGP1 vestibule plate (pg 48-49)
- PBJ Series jamb plate (pg 48-49)
- PBO24 Series single gang (pg 48-49)
- PBR Series 6 inch round (pg 48-49)
- PBR45 Series 4.5 inch round (pg 48-49)
- PBS Series 4.75 inch square (pg 48-49)
- PBS45 Series 4.5 inch square (pg 48-49)
- PBS6 Series 6 inch square (pg 48-49)

### RELATED PRODUCTS CONT'D

10BOXJAMBFM	PBJ/PBJM series flush mount box (1.5 x 4.75 in jamb)
10BOXJAMBSM	PBJ/PBJM series surface mount box (1.5 x 4.75 in jamb)
10BOXJAMBST	PBJMS series surface mount box; hard wired only (1.75 x 4.5 in jamb)
<b>10ESCUTCHEON</b>	PBR series stainless steel surface mount box; commonly used in hospital applications (6 in round)
10ESCUTCHEON45	PBR45 series stainless steel surface mount box; commonly used in bospital applications (4.5 in round)

## MOUNTING ADAPTERS

Catalog Number	Description
10BPBRACKET	PBR/PBS series surface mount kit (6 in round and 4.75 in square)
10BPBRACKETCA	PBR/PBS series surface mount kit - clear anodized (6 in round and 4.75 in square)
10BRINGC	Back plate required for double gang electrical boxes
10WRSQ475	PBS series weather ring (4.75 in square)
10WRRND45	PBR45 series weather ring (4.5 in round)
10WRRND6	PBR series weather ring (6 in round)
50.5016	PBDGP series adapter ring (included with PBDGP1 Vestibule Plate)









10TD900XXX

10TD900PB



10000

## TECHNICAL SPECIFICATIONS

10RD900		
Frequency Range	908 – 918 MHz	
Channels	3 channels, frequency hopping	
Digital Modulation	Frequency Shift Key	
Data Rate	Programmable	
Capacity	74 transmitters	
LEDs	2, learn and activation	
Sync Management	1 LED, range finding signal strength smart LED	
Norm Conformance	FCC Part 15, IC	
RF Antenna	1/2 wavelength external RF antenna	
Receiver Power	12 - 24 V AC/DC	
Contact Relays	1 relay	
Maximum Output Power	24 VDC @ 1 amp	
Maximum Switch Power	120 VAC @ 0.5 A 60 VDC @ 0.3 A	
Dip Switches	3 dip switches	
Behavior Settings	Learn, Delay, Activation, Hold time	
Potentiometer	0 to 30 second delay	
Dimensions RD900	2.50 in × 2.00 in × 0.75 in	
10TD900XXX TRANSMITT	ER	

### 10TD900XXX TRANSMITTER

Frequency Range

908 – 918 MHz

 Frequencies
 1, 2, 3 an in-with E
 The present of the prese

AADM

wireless transmitters & receiver

## FEATURES & BENEFITS

DASMA.

- A combination of the industry's most compact 900 MHz receiver and transmitters for optimal installation convenience
- A full portfolio of wireless solutions are available in frequencies of 900, 433 and 300 MHz
- Auto-discoverable radio that links a receiver with a range-finding, signal-strength smart LED
- Frequency hopping for improved performance
- 1, 2, 3 and 4 button hand-held transmitters, plus an in-wall transmitter that easily integrates with BEA activation wall mount devices
- The product range includes a 12 to 24 V AC/DC receiver, four 3-volt hand-held transmitters and a AAA battery powered in-wall transmitter
- Ideal for wireless activation and/or sequencing of automatic doors

TECHNICAL	SPECIFICATIONS CONT'D
Channels	3 channels, frequency hopping
Activation Button	<b>s</b> Hardwired: 1 Wireless: 1, 2, 3, or 4
Range	Hardwired: Signal strength may vary per application Contact technical services for more information. Wireless: < 500 feet – Open Air
Power	Hardwired: 2 AAA batteries @ 3 VDC Wireless: 1 Lithium Ion coin battery @ 3 VDC
LEDs	1, transmission and low battery
Battery Life	300,000 activations
Norm Conformance	FCC Part 15, IC
Operating Temperature	14° to 131° F
Dimensions TD900HHX TD900PB	2.75 in × 1.38 in × 0.56 in 1.75 in × 1.00 in × 0.30 in
RELATED PR	ODUCTS
Catalog Number	Description
10RD900	900 MHz receiver module
10TD900HH1	1-Button hand-held transmitter (3-volt battery)
10TD900HH2	2-Button hand-held transmitter (3-volt battery)
10TD900HH3	3-Button hand-held transmitter (3-volt battery)
10TD900HH4	4-Button hand-held transmitter (3-volt battery)
10TD900PB	Hardwired transmitter (two AAA batteries)
30.5124	3-volt lithium coin battery

## 900 MHZ

Long range, 900 MHz

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HC





10TD433XXX

10TD433PB3V

10TD433PB9V





## TECHNICAL SPECIFICATIONS

Frequency	433 MHz
Radio Control Type	Digital
Emitted Radio Power	–28.7 dBm (transmitter)
Power Consumption	3 mA (transmitter); 30 mA (receiver)
Power	Hardwired: 1 9-volt or 3-volt battery Wireless: 1 3-volt battery
Input Voltage	12 to 24 VAC / VDC
Contact Rating	1.0 A @ 30 VDC 0.5 A @ 125 VAC 0.3 A @ 60 VDC
<b>Operating Temperature</b>	+14°F to +131°F
Capacity	100 transmitters
<b>LEDs</b> Receiver/Transmitter Learn Relay Activity	RED BLUE
<b>Receiver Dimensions</b> Without Flange With Flange	2.75 in × 2.125 in × 1.0 in 2.75 in × 1.375 in × 0.6 in

Norm Conformance

CE, FCC, IC

433 MHz wireless transmitters and receivers

433 MHZ

## FEATURES & BENEFITS

- Delay or no delay programming options (i.e. vestibule applications)
- Up to 100 transmitters can be programmed into a single receiver
- Can remove transmitter codes individually or all at once
- Ideal for wireless activation and/or sequencing of automatic doors
- Universally compatible with all types of automatic doors
- Extended hold time receiver available to hold • door for as long as button is pressed
- Toggle or pulse mode selectable by DIP switch
- 0.5 or 10 second relay hold time
- Field replaceable 9 V battery (10TD433PB9V)

## RELATED PRODUCTS

Catalog Number	Description
10RD433	433 MHz receiver
10RD433EH	Extended hold time receiver
10TD433HH1	1-Button handheld transmitter (3-volt battery)
10TD433HH2	2-Button handheld transmitter (3-volt battery)
10TD433HH3	3-Button handheld transmitter (3-volt battery)
10TD433HH4	4-Button handheld transmitter (3-volt battery)
10TD433PB3V	1-Button, 3-Volt wired transmitter
10TD433PB9V	1-Button, 9-Volt wired transmitter
30.5124	3-volt lithium coin battery
70.0261	9-volt battery, Energizer









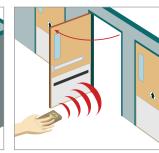


10T300XXX

**10T300KEYCHAIN** 

**10T300MINIPB** 





## **TECHNICAL SPECIFICATIONS**

Frequency	300 MHz	
Radio Control Type	Analog	
Emitted Radio Power	N/A	
Power Consumption	N/A	
Input Voltage	24 V AC/DC	
<b>Operating Temperature</b>	+14°F to +131°F	
Setup	10 position access code dip switch	
Power	Hardwired: 1 9-volt or 12-volt battery Wireless: 1 9-volt or 12-volt battery	
Capacity	7 transmitters	
Norm Conformance	CE, FCC, IC	
Receiver Dimensions	4 9 in x 3 2 in x 1 4 in	
Without Flange With Flange	$4.9 \text{ in } \times 3.2 \text{ in } \times 1.4 \text{ in}$ 5.4 in $\times 3.2 \text{ in } \times 1.4 \text{ in}$	

### **Catalog Number** Description 300 MHz analog receiver 10R300 1-Button handheld transmitter 10T300HH (9-volt battery) 2-Button handheld transmitter 10T300HHDBL (9-volt battery) 4-Button handheld transmitter 10T300HH4 (9-volt battery) 1-button keychain transmitter **10T300KEYCHAIN** (12-volt battery) 1-button miniature wired transmitter **10T300MINIPB** (12-volt battery) Wired transmitter no case 10T300PB (9-volt battery) 70.0260 12-volt battery, Energizer 70.0261 9-volt battery, Energizer

300 MHz wireless transmitters and receiver

**CIDA** 

## FEATURES & BENEFITS

**RELATED PRODUCTS** 

AAADM

- Hand-held transmitters outfitted with • flag connectors, plug directly into most of BEA's push plate switches.
- Analog radio control for strong, short-range, transmissions
- Transmitters are programmed to the receiver through dip switch settings which offer up to 1,024 unique identifier codes

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**300 MHZ** 









10BR3

**10MAGLOCKXXX** 



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## TECHNICAL SPECIFICATIONS

Technology	Mechanical switch and light socket in modular style component
Faceplate Dimensions	Single Gang - 2.75 in x 4.5 in
Visual Style	Illuminated Green button that signals activation, which can also be disabled
Materials	Stainless steel faceplate with tamper-resistant screws
Input Power	10 A at 125/250 VAC
Time Range	Momentary switch, no delay
Bulb Power	High Volt Bulb: 60 mA at 24 VDC (P/N C656) Low Volt Bulb: 190 mA at 12VDC (P/N CM-161)
Relay	SPDT, color coded wiring (Open/Closed)
Operating Temperature	-17°F to 120°F
Product Life Test	1 million operations

## **ACCESS CONTROL PUSH BUTTON**

1

Illuminated, push to exit button

## FEATURES & BENEFITS

- Illumination can be adjusted to bright or low light for improved visibility in poorly lit areas
- Easily replaced 12/14 light bulb, reducing whole-product replacement
- Stainless steel faceplate
- Vandal/tamper resistant design
- Tested to perform greater than 1 million operations

Catalog Number	Description
10ACPBSS1	Push Button - green Illuminated, "PUSH TO EXIT", single gang
10BOX24SGSM	Standard single gang surface mount box (2.75 in x 4.5 in)





Rim exit & universal cylindrical strikes for access control

UL) )<sub>US</sub>

LISTED

## FEATURES & BENEFITS

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UL/ULC listed for up to 1500 lbs of • static strength

NEPA

- Conventional keeper design promotes even-load distribution in the event of a forced entry
- Reinforced housing reduces twisting on ۲ imperfect frames
- Brushed stainless steel (US32D) provides • a complementary finish to existing door hardware

TECHNICKE	SILCHICA	110113	
10STRIKERE			
Mode	Fail Safe		
Supply Voltage	12 V AC/DC	24 V AC/DC	11 VAC/16VDC
Duty	Intermittent, Continuous	Intermittent, Continuous	Intermittent, Intermittent
Sound	Buzz, Silent	Buzz, Silent	Buzz, Buzz
Amps †	0.30, 0.50	0.64, 0.24	0.28, 0.50
Ohms ‡	22, 22	22, 89	22, 22

### **10STRIKECU**

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Mode	Fail Safe, Fail Secure		
Supply Voltage	12 VDC	24 VDC	12-24 VAC
Duty	Continuous	Continuous	Intermittent
Sound	Silent	Silent	Buzz
Amps †	0.375	0.190	0.280-0.565
Ohms ‡	37	148	37

Intermittent Duty – Energized less than 1 minute with duty ratio 1:5 **Continuous Duty** – Energized 1 minute or more

Amp ratings are based on maximum current draw at +50°F and include initial power-up current

**‡** Nominal resistance at +77°F ±7% tolerance

# **RELATED PRODUCTS**

Catalog Number	Description
10STRIKECU	UL/ULC Listed Universal Cylindrical Electric Strike with three faceplates for aluminum, hollow metal and wood frame installations
10STRIKERE	UL/ULC Listed surface mounted electric strike for Rim Exit Device



10BR3





10R2E100

**10KEYPADXXX** 



# SECURITY

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10BR3

10STRIKEXXX 10MAGLOCKXXX

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## TECHNICAL SPECIFICATIONS

Faceplate Dimensions	Single - 2.75 in x 4.5 in x .44 in
Materials	Brushed aluminum faceplate
Current	8 mA @ 12 VDC; 35 mA with relay energized 16 mA @ 24 VDC; 45 mA with relay energized 21 mA @ 12 VDC; 74 mA with relay energized 43 mA @ 24 VDC; 91 mA with relay energized
Time Range (user adjustable)	1 to 90 s
Output	Main relay: 5 A @ 24 VDC with 10 A Surge Outputs 2, 3 & 4 are 50 mA (-V) output
Relay	Form C relay; timed output or toggle (latch)
Supply Voltage	12 to 24 V AC/DC (no jumper required)
<b>Operating Temperature</b>	-20°F to +130°F

**KEYPADS** 

Access control keypads for indoor and outdoor use

## FEATURES & BENEFITS

- Allows for up to 120 individual user codes
- Codes can be one to six digits in length with repeats
- Input trigger for security or other open circuit contact
- Keypress feedback acknowledgment is indicated by a yellow LED
- 4 independent output and 4 independent timers assignable by code
- 3 additional outputs with accessory board (sold separately)
- Available in standard indoor (left) or weather-resistant outdoor (right) models

## RELATED PRODUCTS

Catalog Number	Description
10KEYPAD	120 user indoor command and control keypad
10KEYPADWR	120 user outdoor, weather resistant, command and control keypad
10ARB	Auxillary relay board, 3-relay module











**10CYLINDERXXX** 

**10STRIKEXXX** 

**10MAGLOCKXXX** 





**KEYSWITCHES** 

Access control switch plate

## FEATURES & BENEFITS

Stainless steel wall plate with tamper-• resistant screws

**dhi** Joor and Hardware Institute

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- Available in jamb and single wall plates or • double gang combo-plate
- Available with momentary or maintained contact
- Capable of switching 6A @ 125 VAC or • 3A @ 250 VAC
- Combo plate allows for independent operation of the push plate and keyswitch, or allows the keyswitch to activate or disable the push plate
- Mortise cylinders sold separately

Technology	Mechanical Key Access	Cata
Faceplate Dimensions	Single - 4.75 in x 3 in x .25 in, Jamb 4.75 in x 1.75 in x .25 in, Combo-plate - 4.5 in x 4.5 in x .25 in	1000
Visual Style	Combo-plate: Handicap symbol and "Push To Exit" text	1000
Materials	Stainless steel wall plate with tamper-resistant screws	IUCC
Switch Rating	6A @ 125 VAC or 3A @ 250 VAC	
	1 1/8" cylinder with straight cam required, NOT INCLUDED	10JA
Mortise Cylinder	Requires Part	

### 10CYLINDERKA or 10CYLINDERKD

## MOUNTING OPTIONS

10BOX24SGSM	Standard single gang surface mount box
	(2.75 in x 4.5 in)
10BOX24DGSM	Standard double gang surface mount box
	(4.5 in x 4.5 in)

## **RELATED PRODUCTS**

Catalog Number	Description
10COMBOPLATE	Jamb push plate combined with maintained keyswitch on a double gang faceplate
	(Mortise cylinder not included)
10COMBOPLATEMOM	Jamb push plate combined with momentary keyswitch on a double gang faceplate
	(Mortise cylinder not included)
	Momentary Keyswitch - Jamb style
10JAMBSWITCHMOM	1.75 x 4.75 x .50 in
	(Mortise cylinder not included)
	On/Off Keyswitch - Jamb style
<b>10JAMBSWITCHONF</b>	1.75 x 4.75 x .50 in
	(Mortise cylinder not included)
	Momentary Keyswitch - Single gang
<b>10KEYSWITCHMOM</b>	3 x 4.75 x .50 in
	(Mortise cylinder not included)
	On/Off Keyswitch - Single gang
10KEYSWITCHONF	3 x 4.75 x .50 in
	(Mortise cylinder not included)
10CYLINDERKA	1.125 inch mortise cylinder, Schlage C Keyway, keyed alike
10CYLINDERKD	1.125 inch mortise cylinder, Schlage C Keyway, keyed differently

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TECHNICAL SPECIFICATIONS

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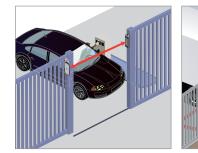


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10LZBRGATE1200

10PS12-24



## TECHNICAL SPECIFICATIONS

### 10GL1200R **Door Configuration** Sliding Gate, front mount **Holding Force** 1,200 lbs 12/24 VDC (UL Listed power supply Input Voltage recommended) 500 mA @ 12 VDC **Current Draw** 250 mA @ 24 VDC 250 mA @ 12 VDC **Relay Switch** 125 mA @ 12 VDC 8.75 in x 2.50 in x 1.625 in Dimensions Material Stainless steel Sensor Lock status sensor with relay output **Cable Specifications** 24 AWG 7 conductor cable, 3.5 ft UL and CUL ANSI 156.10 Norm Conformance NEMA 4 / IP65 NFPA 4

## 10GL1200SR

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## **ELECTROMAGNETIC LOCKS, GATELOCKS UL LISTED**

Weather resistant, electromagnetic lock

## FEATURES & BENEFITS

- Ensures compliance with all applicable compliant standards including ANSI 156.23
- Versatile security solution for all gate applications
- Available in front or side mount with a 1,200 lb holding force
- Front mount model comes with a 3/4 inch male universal threaded conduit fitting
- Built-in remote lock status sensor with an output relay

Current Draw	500 mA @ 12 VDC 250 mA @ 24 VDC
Relay Switch	250 mA @ 12 VDC 125 mA @ 12 VDC
Dimensions	8.75 in x 2.50 in x 1.625 in
Material	Stainless steel

TECHNICAL SPECIFICATIONS CONT'D

Current Draw	500 mA @ 12 VDC 250 mA @ 24 VDC
Relay Switch	250 mA @ 12 VDC 125 mA @ 12 VDC
Dimensions	8.75 in x 2.50 in x 1.625 in
Material	Stainless steel
Sensor	Lock status sensor with relay output
Cable Specifications	24 AWG 7 conductor cable, 9.5 ft
Norm Conformance	UL and CUL, ANSI 156.23 NEMA 4 / IP65, NFPA 4

Catalog Number	Description
10GL1200R	UL/ ULC Listed, 12/24V DC face mounted - 1200 lb
10GL1200SR	UL/ ULC Listed, 12/24V DC side mounted - 1200 lb
10LZBRGATE1200	<ul><li>(1) "L" Bracket</li><li>(1) "Z" Bracket</li></ul>
10PS12-24	UL/ULC listed power supply 12/24 VDC - 1.75 A
10PS12-24D	UL/ ULC Listed, power supply 12/24V DC with backup circuit (battery not included)









10FILL60012

10LZBRMAG3 10LZBRMAG1





## **ELECTROMAGNETIC LOCKS, UL LISTED**

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Maglocks with adjustable relock time delay and lock status sensor

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## FEATURES & BENEFITS

**UL** Listed

- Adjustable 0 to 90 second relock time delay
- Lock status sensor with visible LED

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- Lock status sensor offers either normally open (NO) or normally closed (NC) output configurations
- Input voltage of 12/24 VDC, must be used with UL Listed power supply
- Variety of mounting hardware available
- Available in access control packages with sensor logic module, actuator, power supply and maglock
- This solution is tested and certified with all other BEA request to exit devices, including maglocks, sensors, logic modules, power supplies and other peripherals

## RELATED PRODUCTS CONT'D

10FLYKITB	(1) Passive infrared detector for request to exit applications - black
	(1) Surface adapter - black
	(1) Flush mounted ceiling adapter - black
10FLYKITBERT	(1) Passive infrared detector with extended relay time - black
	(1) Surface adapter - black
	(1) Flush mounted ceiling adapter - black
10PS12-24	UL/ULC listed power supply 12/24 VDC - 1.75 A
10R2E100	UL/ULC Listed, active infrared request-to-exit detector specifically designed for access control applications

See next page for Technical Specifications

## **RELATED PRODUCTS**

Catalog Number	Description
10MAGLOCK1UL	UL/ ULC listed, LED status, 0-90 second hold open timer (relock), (1) bond status relay 12/24V DC Single 1200 lb
10MAGLOCK3UL	UL/ ULC listed, LED status, 0-90 second hold open timer (relock), (1) bond status relay 12/24V DC Single 600 lb
10MAGLOCK5UL	UL/ ULC listed, LED status, 0-90 second hold open timer (relock), (2) bond status relays 12/24V DC Double 1200 lb
10MAGLOCK6UL	UL/ ULC listed, LED status, 0-90 second hold open timer (relock), (2) bond status relays 12/24V DC Double 600 lb
10BR3	Programmable 3 relay logic module with up to 12 unique functions commonly used for time delay, latching, electric locking devices, interlocking and sequencing

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## ELECTROMAGNETIC LOCKS, UL LISTED (CONTINUED)

Maglocks with adjustable relock time delay and lock status sensor

## TECHNICAL SPECIFICATIONS

### 10MAGLOCK1UL

Door Configuration	Single, surface mount
Holding Force	1200 lb
Input Voltage	12/24 VDC (UL Listed power supply recommended)
Current Draw	.50 A @ 12 VDC .25 mA @ 24 VDC
Dimensions	10.74 in x 2.91 in x 1.58 in
Material	Anodized Aluminum housing
Relock Time Delay	0-90 s
Sensor	Lock Status Sensor (NO or NC outputs)
Output Relay	Up to 1 A @ 24 VDC

## TECHNICAL SPECIFICATIONS CONT'D

10MAGLOCK5UL			
Door Configuration	Double, surface mount		
Holding Force	1200 lb		
Input Voltage	12/24 VDC (UL Listed power supply recommended)		
Current Draw	1.03 A @ 12 VDC .50 A @ 24 VDC		
Dimensions	20.94 in x 2.91 in x 1.58 in		
Material	Anodized Aluminum housing		
Relock Time Delay	0-90 s		
Sensor	Lock Status Sensor (NO or NC outputs)		
Output Relay	Up to 1 A @ 24 VDC		

## 10MAGLOCK3UL

Door Configuration	Single, surface mount
Holding Force	600 lbs
Input Voltage	12/24 VDC (UL Listed power supply recommended)
Current Draw	.50 A @ 12 VDC .25 A @ 24 VDC
Dimensions	9.84 in x 1.85 in x 1.02 in
Material	Anodized Aluminum housing
Relock Time Delay	0-90 s
Sensor	Lock Status Sensor (NO or NC outputs)
Output Relay	Up to 1 A @ 24 VDC

## 10MAGLOCK6UL

Door Configuration	Double, surface mount
Holding Force	600 lbs
Input Voltage	12/24 VDC (UL Listed power supply recommended)
Current Draw	1 A @ 12 VDC .50 A @ 24 VDC
Dimensions	19.76 in x 1.85 in x 1.02 in
Material	Anodized Aluminum housing
Relock Time Delay	0-90 s
Sensor	Lock Status Sensor (NO or NC outputs)
Output Relay	Up to 1 A @ 24 VDC





10LZBRMAG1



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US LISTED

Maglocks with adjustable relock time delay, lock status sensor and door status sensor

## FEATURES & BENEFITS

**UL** Listed

- Adjustable 0 to 90 second relock time delay
- Lock Status Sensor with visible LED

DASMA.

- **Door Status Sensor**
- Input voltage of 12/24 VDC, must be used • with UL Listed power supply
- Variety of mounting hardware available
- Available in access control packages with sensor, logic module, actuator and maglock
- This solution is tested and certified with all other BEA request to exit devices, including maglocks, sensors, logic modules, power supplies and other peripherals

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10LZBRMAG3

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RELATED PROD	UCTS	RELATED PR	ODUCTS CONT'D
Catalog Number	Description		(1) Passive infrared detector for request to exit applications - black
	UL/ ULC listed, LED status,	10FLYKITB	(1) Surface adapter - black
10MAGLOCK1ULDS	0-90 second hold open timer (relock), (1) Door status sensor		(1) Flush mounted ceiling adapter - black
	12/24V DC Sinlge 1200 lb		(1) Passive infrared detector with extended relay time - black
	UL/ ULC listed,	10FLYKITBERT	(1) Surface adapter - black
	LED status, 0-90 second hold open timer (relock),		(1) Flush mounted ceiling adapter - black
(1) E 12/2	(1) Door status sensor 12/24V DC Sinlae 600 lb	10PS12-24	UL/ULC listed power supply 12/24 VDC - 1.75 A
10MAGLOCK5ULDS	UL/ ULC listed, LED status, 0-90 second hold open timer (relock), (2) Door status sensors 12/24V DC Double 1200 lb	10R2E100	UL/ ULC Listed, active infrared request-to-exit detector specifically designed for access control applications
10MAGLOCK6ULDS	UL/ ULC listed, LED status, 0-90 second hold open timer (relock), (2) Door status sensors 12/24V DC Double 600 lb		
10BR3	Programmable 3 relay logic module with up to 12 unique functions commonly used for time delay, latching, electric locking devices, interlocking and sequencing		ut none for Tachnical Consiliantions

## See next page for Technical Specifications





## ELECTROMAGNETIC LOCKS, UL LISTED WITH DS (CONTINUED)

Maglocks with adjustable relock time delay, lock status sensor and door status sensor

## TECHNICAL SPECIFICATIONS

### 10MAGLOCK1ULDS

Door Configuration	Single, surface mount	
Holding Force	1200 lb	
Input Voltage	12/24 VDC (UL Listed power supply recommended, pg 84-85)	
Current Draw	.50 A @ 12 VDC .25 A @ 24 VDC	
<b>Dimensions</b> 9.84 in x 1.65 in x 1.02 in		
Relock Time Delay 0-90 s		
Sensor	Lock Status Sensor, Door Status Sensor	
Output Relay Up to 1 A @ 24 VDC		

### 10MAGLOCK3ULDS

Door Configuration	Single, surface mount	
Holding Force	600 lbs	
Input Voltage	12/24 VDC (UL Listed power supply recommended, pg 84-85)	
Current Draw	.50 A @ 12 VDC .25 A @ 24 VDC	
Dimensions	9.84 in x 1.65 in x 1.02 in	
Relock Time Delay	0-90 s	
Sensor	Lock Status Sensor, Door Status Sensor	
Output Relay	y Up to 1 A @ 24 VDC	

## TECHNICAL SPECIFICATIONS CONT'D

10MAGLOCK5ULDS	LOCK5ULDS		
Door Configuration	Double, surface mount		
Holding Force	1200 lb		
Input Voltage	12/24 VDC (UL Listed power supply recommended, pg 84-85)		
Current Draw	1 A @ 12 VDC .50 mA @ 24 VDC		
Dimensions	19.76 in x 1.65 in x 1.02 in		
<b>Relock Time Delay</b>	0-90 s		
Sensor	Lock Status Sensor, Door Status Sensor		
Output Relay	Up to 1 A @ 24 VDC		

### 10MAGLOCK6ULDS

Door Configuration	Double, surface mount
Holding Force	600 lbs
Input Voltage	12/24 VDC (UL Listed power supply recommended, pg 84-85)
Current Draw	1 A @ 12 VDC .50 mA @ 24 VDC
Dimensions	19.76 in x 1.65 in x 1.02 in
<b>Relock Time Delay</b>	0-90 s
Sensor	Lock Status Sensor, Door Status Sensor
Output Relay	Up to 1 A @ 24 VDC











Economical electromagnetic lock without time delay

## FEATURES & BENEFITS

- Lock status sensor with visible LED (not available on 100 lb models)
- Lock status sensor offers either normally open (NO) or normally closed (NC) output configurations (not available on 100 lb models)
- Input voltage of 12/24 VDC
- Variety of mounting hardware available
- Available in access control packages with sensor logic, module actuator, power supply and maglock
- This solution is tested and certified with all other BEA request to exit devices, including maglocks, sensors, logic modules, power supplies and other peripherals

TECHNICAL	SPECIFICATIONS CONT'D
Holding Force	600 lbs
Input Voltage	12/24 VDC
Current Draw	.83 A @ 12 VDC .42 A @ 24 VDC
Dimensions	19.76 in x 1.85 in x 1.02 in
10MAGLIFELOCK9	
Door Configuratio	n Single/Cabinet, surface mount
Holding Force	100 lbs
Input Voltage	12/24 VDC
Current Draw	120 mA @ 12 VDC 60 mA @ 24 VDC
Dimensions	2.76 in x 1.40 in x 0.79 in
RELATED PR	ODUCTS
Catalog Number	Description
10MAGLOCK1	LED status indicator, (1) bond status relay, 12/24V DC - 1200 lb
10MAGLOCK3	LED status indicator, (1) bond status relay, 12/24V DC - 600 lb
	LED status indicator (2) band status relays

	12/240 DC - 000 ID		
10MAGLOCK5	LED status indicator, (2) bond status relays, 12/24V DC - 1200 lb		
10MAGLOCK6	LED status indicator, (2) bond status relays, 12/24V DC - 600 lb		
10MAGLOCK9	Mini/ cabinet lock, 12/24V DC - 100 lb		





10LZBRMAG3

10FILL60012

10LZBRMAG1



TECHNICAL SPECIFICATIONS



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10MAGLOCK1

	TOWAGLOCKT	
	Door Configuration	Single, surface mount
	Holding Force	1200 lbs
	Input Voltage	12/24 VDC
	Current Draw	.52 A @ 12 VDC .25 A @ 24 VDC
	Dimensions	10.47 in x 2.91 in x 1.58 in
	10MAGLOCK3	
	Door Configuration	Single, surface mount
	Holding Force	600 lbs
	Input Voltage	12/24 VDC
	Current Draw	.40 A @ 12 VDC .20 A @ 24 VDC
	Dimensions	9.84 in x 1.85 in x 1.02 in
	10MAGLOCK5	
	Door Configuration	Double, surface mount
	Holding Force	1200 lbs
	Input Voltage	12/24 VDC
	Current Draw	1.03 A @ 12 VDC .52 A @ 24 VDC
	Dimensions	20.94 in x 2.91 in x 1.58 in
	10MAGLOCK6	
	Door Configuration	Double, surface mount

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## **10CYLINDERXXX**

Certifications

**Compliance Provisions** 



## TECHNICAL SPECIFICATIONS

### **RELATED PRODUCTS Housing Dimensions** 10.8125 in × 2.125 in × 2.875 in $(L \times W \times H)$ **Armature Dimensions** 7.4375 in x 0.625 in x 2.375 in $(L \times W \times H)$ Voltage / Tolerance 12 to 24 VDC; ±10% Max. Power / Current Draw 0.61 A / 12 VDC Maglock & Sounder 0.32 A / 24 VDC Up to 1200 lbs. **Holding Force** 1.125 in cylinder with straight cam required, NOT INCLUDED Mortise Cylinder **Requires Part** 10CYLINDERKA or 10CYLINDERKD **Operating Temperature** 14° F to 140° F

UL / CUR Listed FWAX

or NBC of Canada

Special locking arrangements

IBC, SBC, NFPA101, UBC, BOCA

## **ELECTROMAGNETIC LOCK, DELAYED EGRESS KIT**

UL listed all-in-one kit with maglock, sounder and keyswitch

## FEATURES & BENEFITS

- Built-in "sensor" detects when pressure is applied to outward swinging doors
- Field selectable to meet a variety of building codes
- Auto sensing voltage from 12 24 VDC power input
- Kit includes keyswitch for reset/override and an external sounder
- Built-in Security Condition Sensor (SCS) feature indicates that the door is closed and bonded via red/green LED door status panel

### **Catalog Number** Description All-in-one Delayed Egress Maglock Kit for single outswinging doors UL/ ULC listed, LED status, 12/24 VDC Kit includes: (1) 1200 lb maglock 10MAGDE1 (1) resettable keyswitch (mortise cylinder not included) (1) external sounder and alarm signage UL listed maglocks require a UL listed power supply 1.125 inch mortise cylinder, **10CYLINDERKA** Schlage C Keyway, keyed alike 1.125 inch mortise cylinder, **10CYLINDERKD** Schlage C Keyway, keyed differently Signage for 10MAGDE1 50.0336 "Push until alarm sounds door can be opened within 15 seconds"









10LZBRMAG1UL

10LZBRMAG3UL 10UBRACKETUL







10FILLER12UL

10SPACER3UL 10RIMHOUSING1UL





## RELATED PRODUCTS

SECURITY

Catalog Number	Description
10LZBMAG1UL	(1) "L" bracket, (1) "Z" bracket
	for single 1200 lb maglocks
10LZBMAG3UL	(1) "L" bracket, (1) "Z" bracket
TOEZDWIAG50E	for single 600 lb maglocks
10MAG5LZUL	(2) "L" brackets, (2) "Z" brackets
TOWAGJEZOE	for single 1200 lb maglocks
10MAG6LZUL	(2) "L" brackets, (2) "Z" brackets
	for single 600 lb maglocks
10UBRACKETUL	Bracket kit for mounting a maglock to a glass door up to .50 inch thick
10FILLER14UL	.25 x 1.25 inch horizontal right filler plate used to fill or extend door stops
	for single locks only
10FILLER12UL	.50 x 1.25 inch horizontal right filler plate used to fill or extend door stops
	for single locks only
10FILLER34UL	.75 x 1.25 inch horizontal right filler plate used to fill or extend door stops
	for single locks only
10FILLER58UL	$.0625 \ x$ .0625 inch horizontal filler plate used to fill or extend door stops

## ELECTROMAGNETIC LOCKS, ACCESSORIES

Brackets, filler plates and spacers for BEA maglocks

## FEATURES & BENEFITS

- L & Z brackets for use on in-swinging doors allowing for precision adjustments
- U Brackets provide necessary hardware for mounting maglock armature to a solid glass door up to a 1/2 inch thick
- Vertical spacer allows the maglock to be moved vertically on the door frame
- Armature Housings increase overall reliability of the installation while providing an aesthetically pleasing mounting option
- Filler bars are used to extend the door stop and creates a flat mounting surface for the maglock

10RIMHOUSING1UL	Provides a more aesthetically pleasing look over standard armature plates for single 1200 lb maglocks
10RIMHOUSING3UL	Provides a more aesthetically pleasing look over standard armature plates
	for single 600 lb maglocks
10SPACER1UL	Vertical "spacer bracket" used when the stop requires the maglock to be lowered
	for single 1200 lb maglocks
	TOF SITISTIC T200 ID THUGIOCKS
10SPACER3UL	Vertical "spacer bracket" used when the stop requires the maglock to be lowered
10SPACER3UL	Vertical"spacer bracket" used when the stop
10SPACER3UL 50.0334	Vertical "spacer bracket" used when the stop requires the maglock to be lowered





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### 10BOX24SGSM



## TECHNICAL SPECIFICATIONS

Technology	Piezoelectric
Faceplate Dimensions	Single Gang - 2.75 in x 4.5 in
LED Configuration	Illuminated Red/Green ring that signals activation, which can also be disabled
Materials	Stainless steel faceplate with tamper-resistant screws
Switch rating	2 A at 30 VDC, 500 mA at 125 VAC
Hold Time Range (user adjustable)	1 to 40 s
Input Power	12 to 24 VDC (auto-sensing)
Relay	DPDT
<b>Operating Temperature</b>	-40°F to 160°F
Product Life Test	1 billion operations
Degree of Protection	NEMA 4 / IP65

## **PIEZO BUTTON**

Heavy duty, piezoelectric push button

## FEATURES & BENEFITS

- 1 to 40 second, user-adjustable output hold time
- Can be configured to fail-safe or fail-secure
- Can be wired normally open or normally closed
- Fits standard, single gang mounting boxes
- LED illumination can be customized to user preference
- Stainless steel faceplate and technology appropriate to withstand the rigors of harsh environments
- Vandal/tamper resistant design
- Tested to perform greater than 1 billion operations

Catalog Number	Description
10PIEZO241	Piezoelectric push button, single gang
	Push To Exit text
10BOX24SGSM	Standard single gang surface mount box
	(2.75 x 4.5 in)



68

## **PNEUMATIC PUSH BUTTONS**

Adjustable hold time security button

## FEATURES & BENEFITS

AAADM CONTRACTOR CONTR

- Adjustable hold time of 2 to 60 seconds
- Listed UL 508/CSA C22.2 No 14-10 with **MET LABS**
- Exceeds NFPA safety codes with respect to security button delay time
- Available in single and jamb size plates •
- Buttons available in 1 5/8 in (standard) or 2 in (large) sizes
- Available in a variety of combinations of color, text and logo upon request
- Tested to perform greater than 1 million • operations

TECHNICAL SPEC	CIFICATIONS	RELATED	PRODUCTS
Technology	Pneumatic Single - 2 3/4 in x 4 1/2 in	10ACPBDA3	1 5/8 inch Jan Red button, t
Faceplate Dimensions	Jamb - 1 3/4 in x 4 1/2 in	10ACPBDA4	1 5/8 inch Sin
Visual Style	Red Button with Push to Exit Text Blue Button with Handicap Logo	10ACPBDA5	Red button, t 2 inch Jamb,
Materials	Stainless steel faceplate with colored, anodized aluminum button		Blue button, l 2 inch Single,
Switch Rating	5 A at 125 VAC	10ACPBDA6	Blue button, l
Time Range (user adjustable)	2 to 60 s, adjustable	10ACPBDA7	1 5/8 inch Jan Blue button, l
<b>Relative Timing Accuracy</b>	/ +/- 5% @ 72°F		1 5/8 inch Sin
Contactor	NO or NC	10ACPBDA8	Blue button, l
Operating Temperature	-15°F to 120°F		2 inch Jamb,
Product Life Test	1 million operations	10ACPBDA9	Green button
Norm Conformance	NFPA Life Safety Code 7.2.1.6.2(3)	10.4 CDDD 410	2 inch Single,
	CTC	10ACPBDA10	Green button
RELATED PRODU		10ACPBDA11	1 5/8 inch Jan
		TUACEDUATI	

Catalog Number	Description
10ACPBDA1	2 inch Jamb,
IUACPODAT	Red button, text only
10ACPBDA2	2 inch Single,
IUACPDDAZ	Red button, text only

10ACPBDA3	1 5/8 inch Jamb,	
IUACEBDAS	Red button, text only	
	1 5/8 inch Single,	
10ACPBDA4	Red button, text only	
10ACPBDA5	2 inch Jamb,	
IUACPBDAS	Blue button, logo only	
10ACPBDA6	2 inch Single,	
TUACPBDA6	Blue button, logo only	
10ACPBDA7	1 5/8 inch Jamb,	
IUACPBDA7	Blue button, logo only	
	1 5/8 inch Single,	
10ACPBDA8	Blue button, logo only	
10ACPBDA9	2 inch Jamb,	
IUACPBDA9	Green button, Push to Exit text	
	2 inch Single,	
10ACPBDA10	Green button, Push to Exit text	
	1 5/8 inch Jamb,	
10ACPBDA11	Green button, Push to Exit text	
10ACPBDA12	1 5/8 inch Single,	
	Green button, Push to Exit text	
10002466614	Standard single gang surface mount box	
10BOX24SGSM	(2.75 x 4.5 in)	











## BR3

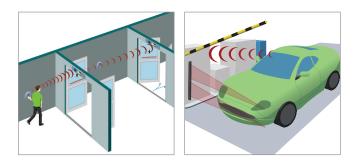




10MC25

10LE21

15.5053



## TECHNICAL SPECIFICATIONS

### 12 to 24 V AC/DC +/- 10% Supply Voltage 30 to 130 mA; DRY Output **Power Consumption Temperature Range** -15°F to 150°F Dimensions 5.2 in × 2.2 in × 1.0 in **Relay Hold Time** Up to 60 seconds per relay Up to 60 seconds per relay with 0.25, 0.50 **Delay Between Relays** and 0.75 second options **Housing Material** ABS Plastic Input Specification 1 to 4; DRY Contact WET Input 5 to 24 V AC/DC **Contact Rating DRY** Relay #1 3 A @ 24 VAC / 30 VDC 3 A @ 24 VAC / 30 VDC Relay #2 1 A @ 24 VAC / 30 VDC Relay #3 **Contact Rating WET** 1 A Relay #1

Programmable 3-relay logic module

## FEATURES & BENEFITS

- Twelve programmable logic functions provide versatility across various applications
- Easy 2-button programming with user-friendly, dual seven-segment displays
- Contains two 3-AMP and one 1-AMP relays
- Built-in surge suppression in all 3 relays eliminating the need for external components when installing electric locking devices
- Capable of providing a WET output with AC or DC voltage

Catalog Number	Description
10BR3	Programmable 3 relay logic module with up to 12 unique functions commonly used for time delay, latching, electric locking devices, interlocking and sequencing
10LE21	Lock out module for low energy doors that inhibits approach-side SuperScan sensors on automatic doors when used manually
10MC25	Delay on make/delay on break time delay module ideal for use when either a magnetic lock or electric strike is installed on an automatic door
15.0096	Harness for 10MC25
15.5053	Surge supressor







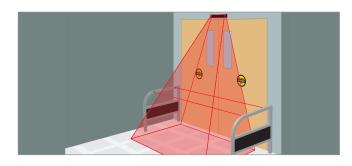
## **LOCK-OUT MODULES**

Swing door logic used with overhead presence sensors

## FEATURES & BENEFITS

**RELATED PRODUCTS** 

- Used to inhibit header-mounted safety sensors (Bodyguard) while door is in closing cycle
- Recognizes position of door by analyzing motor voltage
- Optional safety beam input to override inhibit signal during closing



## TECHNICAL SPECIFICATIONS

Power Supply	12-24 Volts AC / 15-24 Volts DC 4 MHz (Microprocessor)
<b>Operating Frequency</b>	4 MHz (Microprocessor)
Power Consumption	10 mA at rest,
rower consumption	50 mA max.
Output	2 x SPST Relays
Max. Voltage - Relay Contact	60V DC, 120V AC
Max. Current - Relay Contacts (both)	2A DC, 0.5A AC

Catalog Number	Description
10LO21	Lock-out relay
10LO21B	Lock-out relay for BESAM CUP MP
10LO21K	Lock-out relay for KM 3800 controls
10LO21P	Universal lock-out relay for Parallax
10LO21U	Universal lock-out relay
10MC15	Add-on safety module for door controls that do not have a safety circuit
15.0075	Harness for LO21, LO21B, LO21K, LO21P and LO21U
15.0076	Harness for 10MC15





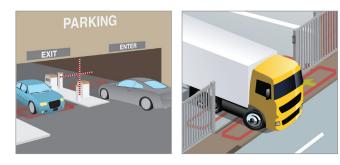
**@IDA** 





10PS12-24D

**10MATRIXHARN** 



## TECHNICAL SPECIFICATIONS

### **GENERAL SPECIFICATIONS**

Wiring	US wiring configuration (Matrix 1 -2) Euro wiring configuration (Matrix 3)
Connector	11 pin male (86CP11)
Detection Modes	Presence, pulse on entry, pulse on exit
Detect Frequency Adjustments	8 settings, variable settings from 20 KHz to 130 KHz
Inductive Range	20 - 1,000 mHenry
Setup Time (after power up/ configuration)	Approx. 8 s, 2 sec/channel
Relay	Dual Relay
Maximum Contact Voltage	5 amps @ 230 VAC
Pulse Time Output	100 ms to 500 ms
Sensitivity (ΔL/L)	0.005% to 0.5%
Temperature	-22°F - 158°F
Features	Failsafe open, failsafe closed, automatic boost sensitivity, learn mode upon power up
Display	Power LED, 2x Detect LED (single, dual)
Norm Conformance	IP40, CE Listed, UL Listed and ANSI 156 compliant
Weight	7 oz
Dimensions	1.5 in x 3 in x 3 in

## **MATRIX FAMILY**

UL listed US single and dual loop detectors

## FEATURES & BENEFITS

**ANSI** 

UL Listed

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DASMA.

- Available in single and dual loop models
- Available in operating powers of 110 to 120 VAC and 12 to 24 VAC/DC
- Two output relays
- Convenient US wiring configuration
- Automatic boost sensitivity
- Failsafe open and failsafe closed
- Ideal for vehicle directionality and sequencing applications
- Settings are adjusted via two easy-to-use potentiometers
- Pulse on entry and pulse on exit presence detection

## TECHNICAL SPECIFICATIONS CONT'D

### 10MATRIXS110

Power	110 - 120 VAC	
Loop Configurations	Single (1 loop input)	
Reaction Time	25 ms	
10MATRIXD110		
Power	110 - 120 VAC	
Loop Configurations	Dual (2 loop inputs)	
<b>Reaction Time</b>	50 ms	
10MATRIXD1224		
Power	12 - 24 VAC/DC	
Loop Configurations	Dual (2 loop inputs)	
<b>Reaction Time</b>	50 ms	
10MATRIXIIS110		
Power	110 - 120 VAC	
Loop Configurations	Single (1 loop input)	
Reaction Time	25 ms (single), 50 ms (Dual)	
10MATRIXIIS1224		
Power	12 - 24 VAC/DC	
Loop Configurations	ns Single (1 loop input)	
Reaction Time	25 ms (single), 50 ms (Dual)	

## See next page for additional Technical Specifications and Related Product information







UL listed US single and dual loop detectors

#### TECHNICAL SPECIFICATIONS CONT'D

10MATRIX-3-	S
-------------	---

101111111110		
Power	12 - 24 VAC/DC	
Loop Configurations	Single (1 loop input)	
Reaction Time	25 ms	
10MATRIX-3-D		
Power	12 - 24 VAC/DC	
Loop Configurations	Dual (2 loop inputs)	
Reaction Time	50 ms	

RELATED PRODUCTS		
Catalog Number	Description	
10MATRIXS110	110-120 VAC, single loop detector	
10MATRIXD110	110-120 VAC, dual loop detector	
10MATRIXD1224	110-120 VAC/DC, dual loop detector	
10PS12-24	UL/ULC listed power supply 12/24 VDC - 1.75 A	
10PS12-24D	UL/ULC listed power supply 12/24 VDC with backup circuit 1.75 A (battery not included)	
10MATRIXIIS110	110-120 VAC, single or dual loop detector	
10MATRIXIIS1224	12-24 VAC/DC, single or dual loop detector	
10MATRIX-3-S	12-24 VAC/DC, single loop detector	
10MATRIX-3-D	12-24 VAC/DC, dual loop detector	
10MATRIXHARN	11 Pin matrix harness, 72 in (6 ft) length	
10FOCUS	Surface mounted, distance measuring active infrared presence sensor	
70.0262	11 Pin socket based DIN rail	



# **ACCESS CONTROL PACKAGES**

Single door application packages

REQUEST TO EXIT

KNOWING ACT

SWING

ACCESS

PACKAGES

#### FEATURES & BENEFITS

- Packages for request to exit applications
- Package includes your choice of Request . to Exit sensors, 600 or 1200 LB maglock, coupled with door logic and power
- Wiring diagram included in package for • ease of installation
- Illuminated BEA Access Control Push Button included

RELATED PR	R O D U C T S	RELATED	PRODUCTS CONT'D
Catalog Number	Description		Single Door Package 3 utilizes our R2E-100 with focused active infrared presence detection
10ACP12	Single Door Package 1 utilizes our R2E-100 with focused active infrared presence detection pattern for secure Reguest to Exit and a 1200 lb Maglock		pattern for secure Request to Exit and a 600 lb Maglock
	(1) 10PS12-24 - Power Supply - UL, Filtered & Regulated	404.656	(1) 10PS12-24 - Power Supply - UL, Filtered & Regulated
	(1) 10MAGLOCK1UL - 1200 lb UL Listed Maglock	10ACP6	(1) 10MAGLOCK3UL - 600 lb UL Listed Maglock
	(1) 10R2E100 - Request to Exit sensor - pg 34		(1) 10R2E100 - Request to Exit sensor - pg 34
	(1) 10ACPBSS1 - Push to Exit button		(1) 10ACPBSS1 - Push to Exit button
	(1) 10BR3 - Programmable 3 relay logic module <b>- pg 69</b>		(1) 10BR3 - Programmable 3 relay logic module
	Single Door Package 2 utilizes our FLY with adjustable		- pg 69
	passive infrared presence detection pattern for secure Request to Exit and a 1200 lb Maglock		Single Door Package 4 utilizes our FLY with adjustable passive infrared presence detection
	(1) 10PS12-24 - Power Supply - UL, Filtered & Regulated		pattern for secure Request to Exit and a 600 lb
10ACP12F	(1) 10MAGLOCK1UL - 1200 lb UL Listed Maglock		Maglock
	(1) 10FLYKITB - Request to Exit sensor - pg 23		(1) 10PS12-24 - Power Supply - UL, Filtered & Regulated
	(1) 10ACPBSS1 - Push to Exit button	10ACP6F	(1) 10MAGLOCK3UL - 600 lb UL Listed Maglock
	(1) 10BR3 - Programmable 3 relay logic module- pg 69		(1) 10FLYKITB - Request to Exit sensor - pg 23
<b>1</b>			(1) 10ACPBSS1 - Push to Exit button

(1) 10BR3 - Programmable 3 relay logic module - pg 69

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**10MAGLOCK1UL** 





AADM

(ANSI

PACKAGES







# **LOW ENERGY REACTIVATION PACKAGES**

All-in-one reactivation packages for low energy doors

#### FEATURES & BENEFITS

AADM

- Convenient solution that includes secondary reactivation and enhanced door logic
- LE21 or Br3 logic disables SuperScan until the door is activated by a knowing act device
- Door position switch monitors state of door to enable/disable sensors





10LE21

10**B**R3



RELATED PRODUCTS

**Catalog Number** 

**LE PACKAGE** 

**LE PACKAGE 6** 



**10SWITCH75** 

RODUCTS	RELATED	PRODUCTS CONT'D	Ч Ч Ч
Description		(1) 10SSI - SuperScan I <b>- pg 35</b> door mounted safety sensor - Master only -	
<ul> <li>(1) 10SSI - SuperScan I - pg 35</li> <li>door mounted safety sensor - Master only -</li> <li>34.5 inches end cap to end cap (13 inch min.)</li> </ul>		34.5 inches end cap to end cap (13 inch min.) (1) 10BR3 - <b>pg 69</b>	
(1) 10LE21 - pg 69 Low energy module	PANTHER LE	Programmable 3 relay logic module (2) Panther Plates <b>- pg 47</b> (integrated 433 transmitter in each plate)	S
(1) 10SWITCH75 Magnetic door position switch 0.50 in gap, NO/NC, SPDT, 0.44 in diameter,		(1) 10RD433 433 MHz receiver	
flush mount (1) 10SSI - SuperScan I <b>- pg 35</b> door mounted safety sensor - Master only - 34.5 inches end cap to end cap (13 inch min.)		(1) 10SWITCH75 Magnetic door position switch 0.50 in gap, NO/NC, SPDT, 0.44 in diameter, flush mount	A O
(1) 10BR3 <b>- pg 69</b> Programmable 3 relay logic module		(1) 10SSI - SuperScan I <b>- pg 35</b> door mounted safety sensor - Master only -	ES
(1) 10SWITCH75 Magnetic door position switch 0.50 in gap, NO/NC, SPDT, 0.44 in diameter,		34.5 inches end cap to end cap (13 inch min.) (1) 10LE21 <b>- pg 69</b> Low energy module	PACKAGES
flush mount	PRINCE 2	(2) Push Plates <b>- pg 48-49</b> (any style except Jamb or Panther)	PA

#### (2) Boxes - pg 51 (no transmitters or receivers included)

(1) 10SWITCH75 Magnetic door position switch 0.50 in gap, NO/NC, SPDT, 0.44 in diameter, flush mount

<b>5</b> Master only - ap (13 inch min.)
odule

**REQUEST TO EXIT** 

**NIWONN** ACT





# **PUSH PLATE PACKAGES**

All-in-one package containing push plates, wireless transmitters/ receivers and mounting options

#### FEATURES & BENEFITS

- Flexible solution offering variety of push plate, mounting and wireless options
- Convenient, one-box solutions available
- Wireless and Push Plate options to fit a variety of unique applications

<b>NING</b>	RELATED PR	O D U C T S
SWING	Catalog Number	Description
		Choice of (1) Push Plate - any style* - pg 48-49
		(1) Matching Surface or Flush mounting box - pg 51
	PUSH PLATE 1	(1) Receiver and
5		(1) Transmitter - any frequency - pg 52-54
LES S S S S S S		*does NOT include LPR36, Jamb, Vestibule, Panther or Magic Switch
SE	ACCESS	Choice of (2) Push Plates - any style* - pg 48-49
<b>∀</b> U		(2) Matching Surface or Flush mounting boxes - pg 51
	PUSH PLATE 2	(1) Receiver and
		(2) Transmitters - any frequency - pg 52-54
		*does NOT include LPR36, Jamb, Vestibule, Panther or Magic Switch
ËS	ES	Choice of (1) Jamb Push Plate - any style - pg 48-49
N N	PUSH PLATE 3	(1) Matching Surface or Flush mounting box - pg 51
PACKAGES		(1) Receiver and
PA		(1) Mini transmitter - any frequency - pg 52-54
		Choice of (2) Jamb Push Plates - any style - pg 48-49
	PUSH PLATE 4	(2) Matching Surface or Flush mounting boxes - pg 51
		(1) Receiver and
		(2) Mini transmitter - any frequency - pg 52-54
	PUSH PLATE 45	Choice of (2) PBS45 Series Push Plates - any style - pg 48-49
	ONE BOX	(2) Matching surface or flush mounting boxes - pg 51
\	SOLUTION!	(1) 433 receiver <b>- pg 53</b>
		(2) 3-volt or 9-volt 433 MHz transmitters - pg 53

#### RELATED PRODUCTS CONT'D

PUSH PLATE 45 900 ONE BOX SOLUTION!	Choice of (2) PBS45 Series Push Plates - any style - pg 48-49
	(2) Matching surface or flush mounting boxes - pg 51
	(2) 10TD900PB transmitter - pg 52
	(1) 10RD900 receiver - pg 52
	(1) Panther plate, any style - pg 47
PANTHER 1	(1) 10RD433 or 10RD433EH receiver - pg 53
	(2) Panther plates, any style - pg 47
PANTHER 2	(1) 10RD433 or 10RD433EH receiver - pg 53
	(1) 10PBDGP1 - vestibule plate - pg 48-49
	(1) Matching surface or flush mounting boxes - pg 51
VESTIBULE	(2) Push Plate options* with matching mounting boxes - pg 48-49
PACKAGE 433	(4) 10TD433PB3V - 3-volt transmitters and
	(2) 10RD433 or 10RD433EH receivers - pg 53
	*options incude (2) PBS Series, (2) PBS45 Series, (2) PBS6 Series, (2) PBR45 Series, (2) PBR Series or (2) PBJ Series
	(1) 10PBDGP1 - vestibule plate - pg 48-49
	(1) Matching surface or flush mounting boxes - pg 51
	(2) Push Plate options* with matching mounting boxes - <b>pg 48-49</b>
VESTIBULE 900	(4) 10TD900PB - 3-volt transmitters and
	(2) 10RD900 receivers - pg 52
	*options incude (2) PBS Series, (2) PBS45 Series, (2) PBS6 Series, (2) PBR45 Series, (2) PBR Series or (2) PBJ Series
	(1) 10PBDGP1 - vestibule plate - pg 48-49
	(1) Matching surface or flush mounting boxes - pg 51
VESTIBULE	(2) Push Plate options* with matching mounting boxes - pg 48-49
PACKAGE 9V	(4) 10TD433PB9V - 3-volt transmitters and
	(2) 10RD433 or 10RD433EH receivers - pg 53
	*options incude (2) PBS Series, (2) PBS45 Series, (2) PBS6 Series, (2) PBR45 Series, (2) PBR Series or (2) PBJ Series

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**REQUEST** TO EXIT

KNOWING ACT



# **PUSH PLATE PACKAGES SECURITY SPECIFIC**



Convenient packages built with BEA's most popular push plates

#### FEATURES & BENEFITS

- Choose from these convenient packages that include our most popular mounting option, push plate artwork and wireless transmitters and receivers
- Packages available for vestibule and other common knowing act applications
- Convenient, one-box solutions

**RELATED PRODUCTS CONT'D** 

**PUSH PLATE** 6R-900

ONE BOX

SOLUTION!

**PACKAGE 433** ONE BOX

SOLUTION!

VESTIBULE PACKAGE 900

ONE BOX

SOLUTION!



ACCESS CONTROL

- (2) 10TD900PB 900 MHz transmitter pg 52 (1) 10RD900 - 900 MHz receiver - pg 52 (1) 10PBDGP1 - vestibule plate - pg 48-49
- (1) 10BOX475SQSM surface mounting box
- (2) Push Plate options\* with matching mounting boxes pg 48-49

(2) PBR1 - round push plates - pg 48-49

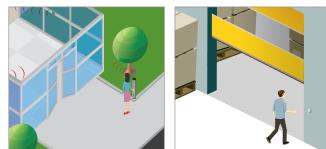
(2) 10BOX6RNDSM- surface mount boxes

(4) 10TD433PB3V - 3-volt transmitters and

\*options incude (2) PBS Series, (2) PBS45 Series, (2) PBS6 Series, (2) PBR45 Series, (2) PBR Series or (2) PBJ Series

- (1) 10PBDGP1 vestibule plate pg 48-49
- (1) 10BOX475SQSM surface mounting box
- (2) Push Plate options\* with matching mounting boxes - pg 48-49
- (4) 10TD900PB3V 3-volt transmitters and
- (2) 10RD900 receivers pg 52

\*options incude (2) PBS Series, (2) PBS45 Series, (2) PBS6 Series, (2) PBR45 Series, (2) PBR Series or (2) PBJ Series



#### **RELATED PRODUCTS**

Catalog Number	Description
PUSH PLATE 45S-433 ONE BOX SOLUTION!	<ul> <li>(2) PBS451 - square push plates - pg 48-49</li> <li>(2) 10BOX45SQSM - surface mount boxes</li> <li>(2) 10TD433PB3V - 3-volt 433 MHz transmitter - pg 53</li> <li>(1) 10RD433 - 433 MHz receiver - pg 53</li> </ul>
PUSH PLATE 45S-900 ONE BOX SOLUTION!	<ul> <li>(2) PBS451 - square push plates - pg 48-49</li> <li>(2) 10BOX45SQSM - surface mount boxes</li> <li>(2) 10TD900PB - 900 MHz transmitter - pg 52</li> <li>(1) 10RD900 - 900 MHz receiver - pg 52</li> </ul>
PUSH PLATE 475S-433 ONE BOX SOLUTION!	<ul> <li>(2) PBS1 - square push plates - pg 48-49</li> <li>(2) 10BOX475SQSM - surface mount boxes</li> <li>(2) 10TD433PB3V - 3-volt 433 MHz transmitter - pg 53</li> <li>(1) 10RD433 - 433 MHz receiver - pg 53</li> </ul>
PUSH PLATE 475S-900 ONE BOX SOLUTION!	<ul> <li>(2) PBS1 - square push plates - pg 48-49</li> <li>(2) 10BOX475SQSM - surface mount boxes</li> <li>(2) 10TD900PB - 900 MHz transmitter - pg 52</li> <li>(1) 10RD900 - 900 MHz receiver - pg 52</li> </ul>
PUSH PLATE 6R-433 ONE BOX SOLUTION!	<ul> <li>(2) PBR1 - round push plates - pg 48-49</li> <li>(2) 10BOX6RNDSM - surface mount boxes</li> <li>(2) 10TD433PB3V - 3-volt 433 MHz transmitter - pg 53</li> <li>(1) 10RD433 - 433 MHz receiver - pg 53</li> </ul>

# VESTIBULE

- - (2) 10RD433 receivers pg 53

PACKAGES









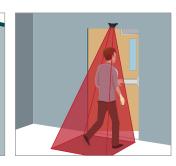
10PS12-24

10BR3

**10MAGLOCKXULDS** 



PRODI



# **REQUEST TO EXIT PACKAGES**

Convenient door packages for request-to-exit applications

#### FEATURES & BENEFITS

TED PRODUCTS

- Select your choice of UL Listed Maglock with DS (available in either 600 lb. or 1,200 lb. holding force) and your choice of BEA exit sensor (either R2E-100 or Fly Kit)
- Packages include Br3 Logic Module, UL Listed Power Supply and illuminated BEA Access Control Push Button
- Convenient packages offer superior pricing and whole-door solution

RELATED PRODUCTS		RELATED FRODUCTS CONT D	
Catalog Number	Description		(1) 10FLYKITB - Request to Exit sensor - pg 23
10ACP12DS	<ol> <li>(1) 10R2E100 - UL / ULC Listed, active infrared request- to-exit detector specifically designed for access control applications - pg 34</li> <li>(1) 10PS12-24 - UL, filtered &amp; regulated power supply</li> </ol>	10ACP12FDS	<ul> <li>(1) 10PS12-24 - UL, filtered &amp; regulated power supply</li> <li>(1) 10ACPBSS1 - Push to Exit button</li> <li>(1) 10BR3 - Programmable 3 relay logic module</li> </ul>
	<ol> <li>(1) 10ACPBSS1 - Push to Exit button</li> <li>(1) 10BR3 - Programmable 3 relay logic module - pg 69</li> <li>(1) 10MAGLOCK1ULDS - 1200 lb UL listed maglock</li> </ol>		<ul> <li>- pg 69</li> <li>(1) 10MAGLOCK1ULDS - 1200 lb UL listed maglock</li> <li>(1) 4051/(//TDD</li></ul>
	<ul> <li>(1) 10R2E100 - UL / ULC Listed, active infrared request- to-exit detector specifically designed for access control applications - pg 34</li> <li>(1) 10PS12-24 - UL, filtered &amp; regulated power supply</li> </ul>		<ol> <li>(1) 10FLYKITB - Request to Exit sensor - pg 23</li> <li>(1) 10PS12-24 - UL, filtered &amp; regulated power supply</li> <li>(1) 10ACPBSS1 - Push to Exit button</li> </ol>
10ACP6DS	<ul> <li>(1) 10ACPBSS1 - Push to Exit button</li> <li>(1) 10BR3 - Programmable 3 relay logic module- pg 69</li> </ul>	10ACP6FDS	<ul> <li>(1) 10BR3 - Programmable 3 relay logic module</li> <li>- pg 69</li> <li>(1) 10MAGLOCK3ULDS - 600 lb UIL listed</li> </ul>

(1) 10MAGLOCK3ULDS - 600 lb UL listed maglock

(1) 10MAGLOCK3ULDS - 600 lb UL listed maglock

**REQUEST** TO EXIT



# **INSTALLATION ACCESSORIES**

### BEA's line of supplemental door accessories

RELATED PRODUCTS			
Catalog Number	Description		
10DOORSWITCH	On/Off/Hold Open Switch		
10DPG50	Door pressure gauge, 50 lbs		
10REL12VAC	DPDT isolation relay 12 VAC only		
10REL12VDC	DPDT isolation relay 12 VDC only		
10REL24V	DPDT isolation relay 24 VAC only		
10REL24VDC	DPDT isolation relay 24 VDC only		
10REMOTE	Universal Remote Control		
10SPOTFINDER	Improved active infrared Spotfinder that increases accuracy thereby reducing installation and maintenance time		
10SWITCH75	Magnetic door position switch 0.50 in gap, NO/NC, SPDT, 0.44 in diameter, flush mount		
10SWITCH1076	Magnetic door position switch 0.75 to 2 in gap, NO/NC, SPDT, 0.875 in diameter, flush mount		
10SWITCH1084	Magnetic door position switch 2 in gap, NO, SPDT, surface mount with terminal strip		
10SWITCH1277	Magnetic door position switch 0.50 in gap, NO/NC, SPDT, 0.375 in diameter, flush mount		
30.5580	Magnetic door position switch 0.75 in gap, NO, SPST, 0.375 in diameter, flush mount		
50.5283	Magnetic door position switch 0.75 in gap, NO, SPST, flush mount		





**10DOORSWITCH** 



10DPG50

**10RELXXX** 

**10REMOTE** 

**10SPOTFINDER** 

**10SWITCH75** 

10SWITCH1076

30.5580



	maintenance time
10SWITCH75	Magnetic door position swi 0.50 in gap, NO/NC, SPDT, 0.44 in diameter, flush mou
10SWITCH1076	Magnetic door position swi 0.75 to 2 in gap, NO/NC, SF 0.875 in diameter, flush mo
10SWITCH1084	Magnetic door position swi 2 in gap, NO, SPDT, surface with terminal strip
10SWITCH1277	Magnetic door position swi 0.50 in gap, NO/NC, SPDT, 0.375 in diameter, flush mo
30.5580	Magnetic door position swi 0.75 in gap, NO, SPST, 0.375 in diameter, flush mo
50.5283	Magnetic door position swi 0.75 in gap, NO, SPST,







# **JAMB CAM**

Jamb mounted color video camera

#### FEATURES & BENEFITS

RELATED PRODUCTS

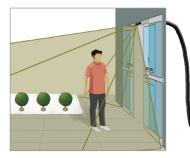
- Full color and enhanced definition color video with resolution of 480 × 720 (480p)
- Standard RCA video output
- Wide angle lens for complete view of door and traffic flow
- Integrated power supply for installation convenience
- Low profile design minimizes accidental damage from shopping carts and other errant objects

TECHNICAL	SPECIFICATIONS

Supply Voltage	6.6 – 36 VDC; ±10% 6.0 – 28 VAC; ±10%
Operating Temperature	-30° – 60° C (RH 95% max) (-22° F – 140° F)
Video Output	1.0 (Vp-p) / 75Ω
Image Sensor	CMOS
Horizontal Resolution	480 TVL
NTSC Output	480 (H) × 720 (W)
Sync System	Inter-Sync
Frame Rate	30 fps
Minimum Illumination	0.01 LUX
AE Control	Auto
Gain Control	Auto
Electronic Shutter	1 s ~ 1/10,000 s
S/N Ratio	>50 dB
AWB	Auto
Dimensions	3 in X 1.75 in X .75 in

Catalog NumberDescription10JAMBCAMJamb mounted color video camera10IXIODT1VIXIO-DT1 with integrated video20.5308CCamera harness and power supply<br/>CAN ONLY BE USED WITH IXIODT1V

10IXIODT1V





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10BR3

10PS12-24

#### TECHNICAL SPECIFICATIONS

Supply Voltage	18 to 30 VDC
Indicator Response Time	
Off Response On Response	10 ms 10 ms
LED Colors	Red, Green or Yellow
Connector	78 in, 4-wire integral cable
Operating Temperature	- 40 °F to + 122 °F 95% at +122 °F maximum relative humidity (non-condensing)
Degree of Protection	IP67
Norm Conformance	CE, UL 1598 Listed, UL 8750 Listed

# 

**10LIGHTBRACK-**

ET-TL70

# LED SIGNAL LIGHTS, COLUMN

UL listed single color light

#### FEATURES & BENEFITS

- UL Listed
- IP67

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- LED colors available include red, green and yellow
- 18 to 30 VDC supply voltage

RELATED PRODUCTS		
Catalog Number	Description	
10LIGHT-G	Green LED column light for signaling applications	
10LIGHT-Y	Yellow LED column light for signaling applications	
10LIGHT-R	Red LED column light for signaling applications	
10LIGHTBRACK <del>-</del> ET-TL70	LED signal light bracket	
10PS12-24	UL/ULC listed power supply 12/24 VDC - 1.75 A	
10BR3	Programmable 3 relay logic module with up to 12 unique functions commonly used for time delay, latching, electric locking devices, interlocking and sequencing	
10LZRI30	LZR-i30 presence sensor - pg 28	
10FALCON	Falcon motion sensor - pg 18	
10BEAMBOX	Beambox infrared presence sensor - pg 21	
10IS40P	IS40P presence sensor - pg 25	
10SPARROW	Sparrow motion sensor - pg 20	





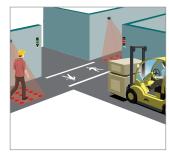








**10LIGHTBRACK-**ET-TL70



#### TECHNICAL SPECIFICATIONS

Supply Voltage	12 to 30 V DC
Indicator Response Time Off Response On Response	150 μs @ 12 to 30 V DC 180 ms @ 12 V DC; 50 ms @ 30 V DC
LED Colors	Red, Green, Yellow
Light Pulse Rates	1.5 Hz $\pm$ 10% and 3 Hz $\pm$ 10%
Audible Alarm	2.6 KHz ± 250 Hz oscillation frequency; maximum intensity 92 dB at 39 in
Audible Adjustment	Rotate the alarm cover; Open to closed is 8 dB
Connector	78 in, 8-wire integral cable
Operating Temperature	- 40 °F to + 122 °F (-40° C – 50° C) 95% at +122 °F maximum relative humidity (non-condensing)
Degree of Protection	NEMA 4 / IP65
Norm Conformance	CE, UL 1598 Listed and UL 8750 Listed
Dimensions	
Base	2.75 in ø X 1.38 in
Light Segment	2.75 in ø X 2.38 in
Audible Segment	2.75 in ø X 2.75 in

# LED SIGNAL LIGHTS, MODULAR

UL listed build-your-own lights and audible alarm

LISTED

#### FEATURES & BENEFITS

**UL** Listed

- **NEMA 4 / IP65**
- Light units can be programmed to pulse at a rate of 1.5 or 3 times per second or remain steady
- Optional audible alarm unit offers secondary alert method with chirp, siren, continuous and 1.5 beeps per second configuration settings
- Base unit and bracket are designed for a variety of installations
- BEA can create custom integrations for any safety, automation or flow management application

#### **RELATED PRODUCTS**

Catalog Number	Description
10LIGHT-TBASE	Modular LED signal base
10LIGHT-TR	Modular LED signal light segment - red
10LIGHT-TG	Modular LED signal light segment - green
10LIGHT-TY	Modular LED signal light segment - yellow
10LIGHT-A	Modular LED signal audible segment
10LIGHTBRACK- ET-TL70	LED signal light bracket
10PS12-24	UL/ULC listed power supply 12/24 VDC - 1.75 A
10BR3	Programmable 3 relay logic module with up to 12 unique functions commonly used for time delay, latching, electric locking devices, interlocking and sequencing
10LZRI30	LZR-i30 presence sensor - pg 28
10FALCON	Falcon motion sensor - pg 18
<b>10BEAMBOX</b>	Beambox infrared presence sensor - pg 21
10SPARROW	Sparrow motion sensor - pg 20

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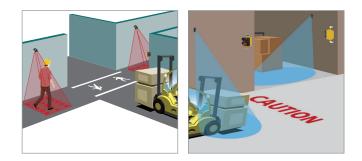
**TDA**.





10BR3

10PS12-24



#### TECHNICAL SPECIFICATIONS

Supply Voltage	85 to 130 VAC @ 16 mA per LED color
Indicators Off Response On Response	10 ms max. 10 ms max.
LED Colors One Indicator Two Indicator	Red <b>or</b> Green Red <b>and</b> Green
Connections	Field-wired
Operating Temperature	- 40 °F to + 122 °F
Material	Polycarbonate
Degree of Protection	IP67
Norm Conformance	CE, UL 1598 Listed and UL 8750 Listed

# **LED SIGNAL LIGHTS, TRAFFIC**

Rugged, cost-effective signals for warning indication systems

#### FEATURES & BENEFITS

- UL Listed
- IP67

ber and Ratebare Institute DASSMA.

- Preassembled indicators for signaling and traffic control
- Intense levels of light output for outdoor applications
- Controlled field of view for signage and narrow lane use
- Rugged, cost-effective and easy-to-install
- One and two indicator models available
- 85 to 130 VAC supply voltage

#### RELATED PRODUCTS

Catalog Number	Description
10LIGHTS-G	Traffic LED signal light - Green
10LIGHTS-R	Traffic LED signal light - Red
10LIGHTD-RG	Traffic LED signal light - Red & Green
10BEAMBOX	Beambox infrared presence sensor
10BR3	Programmable 3 relay logic module with up to 12 unique functions commonly used for time delay, latching, electric locking devices, interlocking and sequencing
10FALCON	Falcon motion sensor - pg 18
10IS40P	IS40P presence sensor - pg 25
10LZRI30	LZR-i30 presence sensor - pg 28
10PS12-24	UL/ULC listed power supply 12/24 VDC - 1.75 A
10SPARROW	Sparrow motion sensor - pg 20



# POWER T

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FEATURES & BENEFITS

# POWER SUPPLIES AND TRANSFORMERS





1012VAC

1024VAC

**1024VACGRAINGER** 

#### TECHNICAL SPECIFICATIONS

#### 10PS12-24

Battery Backup	Maximum charge current: 400mA Automatic switch over to stand-by battery when AC fails	
Output (Power Supply) VDC Switch Position Max. Stand-by Load DC Max. Alarm Load DC Battery (optional)	12 VDC SW1 Open 1.75 amp 1.75 amp 12 VDC	24 VDC SW1 Closed 1.75 amp 1.75 amp 24 VDC
Output (Stand-by) VDC	12VDC / 7 AH Battery	12VDC / 7 AH Battery
4 hr. of Stand-by & 5 Minutes of Alarm	Stand-by = 1.25 amp	Stand-by = 1.25 amp
Input	115VAC / 60 Hz, 0.6 amp Fire Alarm Panel or Access Control trigger input	
Supervision	AC fail supervision (form "C" contacts) AC input and DC output LED indicators Short circuit and thermal overload protection Unit includes: power supply, transformer and enclosure	
Visual Indicators	AC input and DC output LED indicators	
Enclosure Dimensions	8.5 in x 7.5 in x 3.5 in	
Norm Conformance	UL Listed (UL294), CUL Listed - CSA Standard C22.2,No.205-M1983, Signal Equipment, CSFM - California State Fire Marshal Approved, MEA - NYC Dept. of Buildings Approved, NFPA 101 (Life Safety)	

# TECHNICAL SPECIFICATIONS CONT'D

Can be used with all BEA maglocks or other

products that require additional power

#### 10PS12-24D

101 312-240		
Battery Backup	Maximum charge current: 400mA. Automatic switch over to stand-by battery when AC fails	
Output (Power Supply) VDC Switch Position Max. Stand-by Load DC Max. Alarm Load DC Battery (optional)	12 VDC SW1 Open 1.75 amp 1.75 amp 12 VDC	24 VDC SW1 Closed 1.75 amp 1.75 amp 24 VDC
Output (Stand-by) VDC 4 hr. of Stand-by & 5 Minutes of Alarm	12VDC / 7 AH Battery Stand-by = 1.25 amp	12VDC / 7 AH Battery Stand-by = 1.25 amp
Battery not included		
Output	outputs Class 2 Rated power 1.75 amp continuous @ 12VDC or 24VDC	supply current cally regulated output
Input	Input 115VAC / 60 Hz, .6 amp	
Supervision	AC fail supervision (form "C" contacts) Dry trigger output (form "C" contacts)	
Fire Alarm Interface	Dry trigger input	
Visual Indicators	AC input and DC output LED indicators	
Board Dimensions	13.5 in x 3.25 in x 13 in	
Norm Conformance	UL Listed for Access C (UL294), CUL Listed - No.205-M1983, Sign NYC Dept. of Building - California State Fire N Conforms to NFPA 10	CSA Standard C22.2 al Equipment, MEA - gs Approved, CSFM Marshal Approved,

ACCESSORIES





10PSVR5T

10PST2428

#### TECHNICAL SPECIFICATIONS CONT'D

#### 10PSVR5T

Input	24 VAC or 24V DC
Output	5VDC (VR1TM5 ) or 12VDC output. Filtered and electronically regulated output. Built-in overload protection
Visual Indicators	Power LED indicator
Features	Modular connector/cable assembly facilitates ease of wiring Compact design allows for integration in a wide range of camera housings
<b>Enclosure Dimensions</b> VR5T / VR5BT All other units	3.375 in x 2.5 in x 1.125 in 1.625 in x 2.375 in x 1 in
Degree of Protection	CE European Conformity

RELATED PRODUCTS	
Catalog Number	Description
10PS12-24	UL/ULC listed power supply 12/24 VDC - 1.75 A
	UL/ULC listed power supply
10PS12-24D	12/24 VDC with backup circuit
	1.75 A (battery not included)
10PST2428	115 VAC 50/60 Hz, 0.95 amp
10PSVR5T	24 VAC or 24 VDC
1012VAC*	12 VAC (20VA) transformer with mounting feet
1024VAC*	24 VAC (40VA) transformer with mounting feet
1024VAC <del>-</del> GRAINGER*	24V AC (40VA) Class I transformer with mounting bracket
	* Not recommended to nower

Not recommended to power UL/ULC tested maglocks

#### 10PST2428

Input	115 VAC 50/60 Hz, 0.95 amp
Output	24VAC @ 4 amp or 28VAC @ 3.5 amp supply current In-line fuse rated @ 3.5 amp/250V 220VAC models are available upon request
Enclosure Dimensions	5.625 in x 7 in x 4.5 in



Register Online!

#### SENSOR INTEGRATION SCHOOL

In 2014, BEA opened the doors to its Sensor Integration School. Also known as BEA University, the school offers a diverse range of training exercises on a variety of automatic pedestrian and industrial doors. Students attending BEA University will travel to our Pittsburgh office for a two-day, hands-on training course taught by BEA's highly skilled technical team. BEA has partnered with key door manufacturers throughout the industry and training takes place on actual doors in "real-world scenarios."

#### AAADM TRAINING

BEA Inc. is certified by the American Association of Automatic Door Manufacturers (AAADM) to provide certification training for installers and service technicians. AAADM Training is designed to improve and promote safety in automatic doors and, per AAADM, "a candidate must have either worked in the automatic pedestrian industry for six (6) months immediately preceding application or worked in the automatic pedestrian door industry for at least 90 days and has taken the factory training course of an AAADM member."

#### AIA TRAINING

In conjunction with the American Institute of Architects (AIA), BEA offers Continuing Education Courses designed for AIA members seeking continuing education credits. This course identifies the difference between activation and safety sensors for pedestrianbased doors and how/why this is pertinent when specifying an automatic door in a specific application. The course also reviews door requirements for low-energy versus full-energy doors as they relate to ANSI 156 standards. Participants will also learn how to utilize door sensors in energy modeling and building-operator manuals as well as LEED projects.

#### PRODUCT WEBINARS

BEA offers weekly product training Webinars every Monday at 8:15 a.m. and 11:15 a.m. These Webinars provide detailed training on several of BEA's most popular and commonly used products. Each Webinar is 45 minutes in length and conducted in an interactive manner that encourages attendees to ask questions to BEA's AAADM certified trainers.

# CONTINUE WITH BEA, INC.

BEA trains thousands of technicians and industry professionals each year, covering a wide range of topics surrounding the safety, detection and security of automatic doors.

BEA is a member of the American Association of Automatic Door Manufacturers (AAADM) and is listed as a certified trainer by AAADM. Additionally, our Sensor Integration School offers a comprehensive program designed to educate technicians on the integration of sensors and devices with automatic doors. BEA's highly trained technicians are capable of providing the most effective and complete service possible.

#### WE'RE HERE TO HELP!

BEA's customer and technical service departments are on hand and ready to assist our customers. Our highly-trained staff can place orders, track packages, offer technical support and ensure that BEA customers receive the courtesy and friendliness they have come to expect.

Our Customer Service team is available to assist customers with any sales questions and our Technical Service department offers more than 100 years of combined experience to help resolve any issues customers may have with the automation and detection devices used on their automatic doors.

#### **Customer Service**

Phone: 1.800.523.2462 customerservice@beainc.com **Technical Support** Phone: 1.800.407.4545 tech\_services@beainc.com

Scan for electronic version of BEA Catalog BEAinc.com/catalogs



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WIRELESS 300 MHZ TRANSMITTERS & RECEIVER 433 MHZ TRANSMITTERS & RECEIVERS 900 MHZ TRANSMITTERS & RECEIVER **INNOVATE** Through dedication, BEA Worldwide became the leader for technology in activation sensors, automation systems and counting solutions to meet customers needs. We continue to create shifts in the industry to better assist you.

**AUTOMATE** From grocery stores to ramway tracks, the world is in constant movement. Our sensors improve people flow management, warehouse safety and transportation activation. Along with the traditional automation, BEA, Inc. explores using our sensors in unconventional applications.

**INTEGRATE** Our line of products range from activation sensors to electromagnetic locks, we provide modern and sleek solutions for your complete sensory integration.

#### **OUR PROMISE**

At BEA, Inc. we pride ourselves in our customer service and technical support. Our sales representatives and technicians are readily available. In order to ensure all products are shipped and delivered in a timely manner, orders are processed and shipped from both our Pittsburgh headquarters and a west coast distribution facility in California.

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