

BEA, INC.

PRODUCT CATALOG



PRODUCT INNOVATION
CUSTOMER SERVICE | TECHNICAL SUPPORT

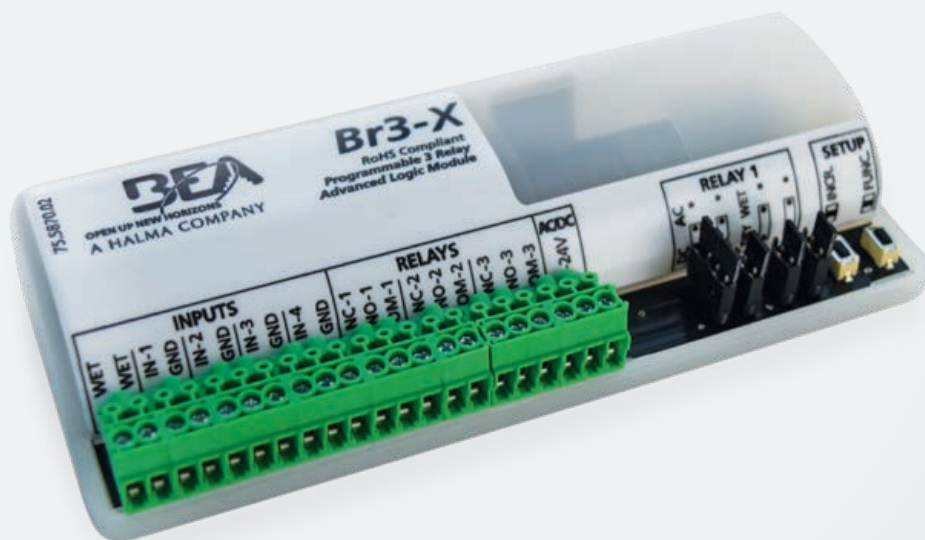


2018 - 2019

BEA INTRODUCES

BR3-X

PROGRAMMABLE 3-RELAY
ADVANCED LOGIC MODULE



See page 48 for
more information

Offering 13 functions, including Day / Night mode,
normally locked and normally unlocked modes.



RESTROOM KIT

For single occupancy
normally locked /
unlocked restrooms

See PG 89-90



EMERGENCY ADD-ON KIT

For single occupancy
restrooms

See PG 88

The image shows the exterior of a modern building with a tan-colored facade and large windows. The letters "BEA" are mounted on the upper part of the building in large, white, three-dimensional block letters. The sky is blue with some white clouds. A large, dark blue geometric shape is overlaid on the right side of the image.

BEA

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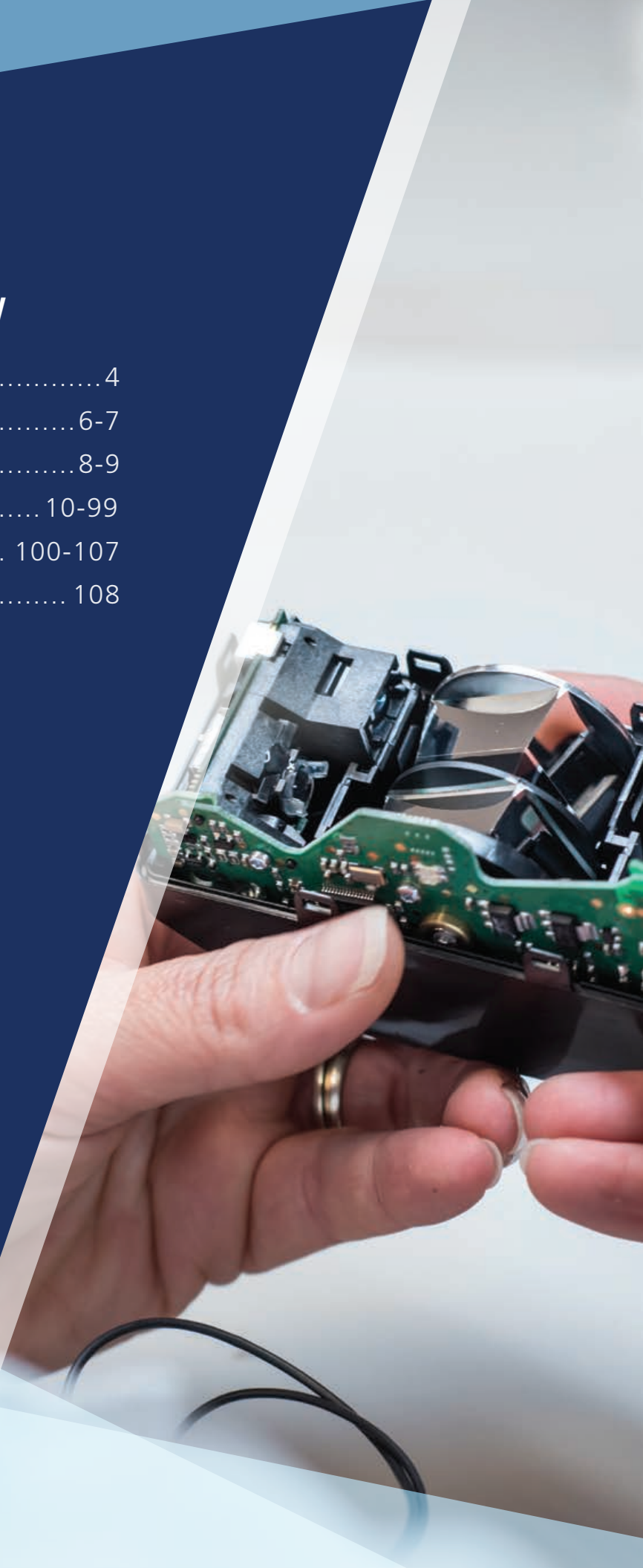
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TECHNOLOGIES



LASER technology works according to the principle of time-of-flight. The sensor sends an intense light impulse in a defined direction and measures the time until the signal returns. As the speed of light is a constant value (approximately 300,000 km/s), this time is directly proportional to the distance between the sensor and the first object encountered by the light impulse.

As a result, and by sending multiple beams in multiple directions (2D or 3D), the sensor is capable of knowing the exact position of any object in its detection area at any given time.



ACTIVE INFRARED with background analysis technology works with a background (e.g. a sensor shines infrared light on the floor). In this case, the sensor lights up one or more areas and analyzes the energy that returns. Detection is triggered if there is any significant difference when compared to the original picture.



ACTIVE INFRARED with background suppression technology works on the principle of "triangulation, in which the sensor calculates the distance between the emitter and receiver. The emission angle is already known and the reflection angle becomes the key element as the distance to the object can be calculated according to the position of the reflected spot on the receiver side (a triangle can be drawn when you know one distance and two angles)



PASSIVE INFRARED technology measures the infrared light radiating from objects in its field of view. Motion or presence is detected when an infrared source with one temperature, such as a human being, passes in front of an infrared source with another temperature, such as the normal environment.



RADAR technology, also known as microwave technology, is based on the Doppler Effect: the radar sensor continuously emits microwaves with a certain frequency in a defined area. These microwaves are reflected back to the sensor by all of the objects present in its environment.



PIEZO technology, also known as piezoelectric, is the process of converting mechanical pressure (pushing a button) into electrical energy. A Piezo switch is paired with a field effect transistor (FET) that, when pushed, allows current to flow through the FET.



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.



RADIO CONTROL FREQUENCY wireless 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.



VIDEO 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.



FIND YOUR APPLICATION

PEDESTRIAN SENSING SOLUTIONS

Sensing technology that maximize the convenience and safety of people moving in, out and through a building.



SLIDING DOORS



SWINGING DOORS



REVOLVING DOORS



LOW ENERGY DOORS



KNOWING ACT DEVICES



SPEED LANES & TURNSTILES



AUTOMATED WINDOWS

INDUSTRIAL AUTOMATION SOLUTIONS

Sensing technology that improves vehicle flow, as well as the convenience and protection of people in industrial environments.



HIGH PERFORMANCE DOORS



COMMERCIAL DOORS



LOADING DOCKS



WAREHOUSING

PEOPLE COUNTING SOLUTIONS

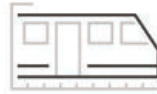
Sensing systems that count, record and analyze pedestrian traffic flows to maximize the efficiency of a building's setup and ensure that inventory placement is maximized.



PEOPLE COUNTING

PUBLIC TRANSPORTATION SOLUTIONS

Sensing technology that maximize the safety and automation of people and equipment moving within and throughout mass transit applications.



TRAIN, TRAM & SUBWAY DOORS



BUS DOORS



PLATFORM SCREEN DOORS

VEHICLE SENSING SOLUTIONS

Sensing solutions developed for the recognition of motorized vehicles to improve the automation, safety and classification of vehicular traffic.



GATES



BARRIERS



TOLL GATES



VEHICLE CLASSIFICATION



PARKING

SECURITY & ACCESS SOLUTIONS

Integrated systems that enhance and control access within industrial and pedestrian environments.



REQUEST-TO-EXIT



ACCESS CONTROL



PERIMETER PROTECTION



ARTWORK PROTECTION

FIND YOUR SOLUTION

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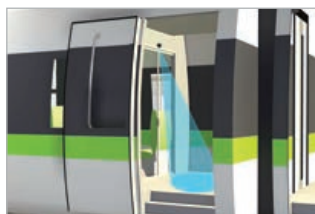
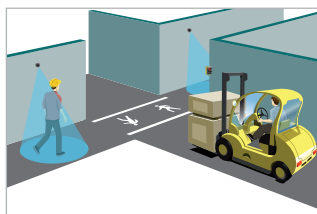


COLIBRI ONE

Unidirectional motion sensor
for off-door applications

FEATURES & BENEFITS

- Adjustable sensitivity settings for creation of customized sensing patterns
- Lateral angle adjustment for ceiling, wall and low level mount versatility
- Compact size provides flexibility in mounting
- Pairs with LED Signal Lights for warning indication applications



TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Detection Mode	Motion
Mounting Height	72 in – 120 in (6 ft – 10 ft)
Transmitter Frequency	24.150 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Transmitter Power Density	< 5 mW / cm ²
Output Max. Contact Current Max. Contact Voltage	Solid-state-relay (free of potential change-over contact) 100 mA 35 VDC / 24 VAC
Min. Detection Speed	2 in / s (measured in sensor axis)
Supply Voltage	12 – 24 VDC 30% / –10%
Mains Frequency	50 – 60 Hz
Max. Power Consumption	< 2 W
Temperature Range	–4 °F – 131 °F
Tilt Angles	0° – 90° vertical; –30° – 30° lateral
Dimensions	3.15 in (W) × 2.36 in (H) × 2.17 in (D)
Material	ABS & Polycarbonate
Weight	5 oz
Cable Length	96 in (8 ft)
Degree of Protection	IP54
Norm Conformance	R&TTE 1999 / 5 / EC; EMC 2004 / 108 / EC

PRODUCT SERIES

P/N	Description
10COLIBRI	Unidirectional motion sensor for off-door applications



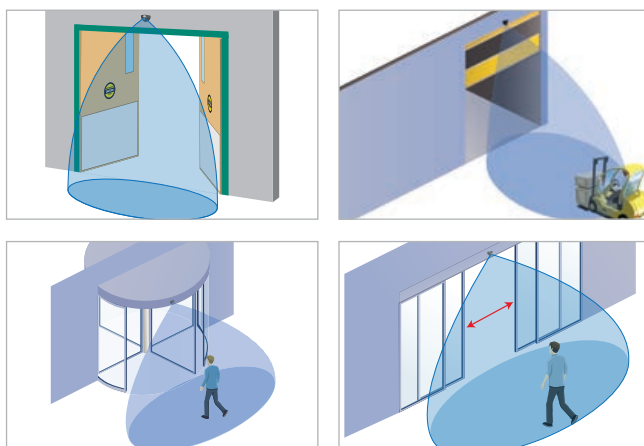
EAGLE FAMILY

Motion sensor
for automatic doors

MOTION
SENSORS

FEATURES & BENEFITS

- Energy savings due to unidirectional detection capability
- Narrow and wide antennae included
- Immunity setting helps screen rain, snow, radio frequency and header vibration
- Motion detection feature capable of detecting traffic moving as slow as 2 in/s
- Compact, low profile design



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 ²
Min. Detection Speed	2 in / s (measuring based on optimal conditions)
Mounting Height	Eagle Eagle HM
	72 in – 156 in (6 ft – 13 ft) 156 in – 198 in (13 ft – 16.5 ft)
Supply Voltage	12 – 24 VAC ±10%; 12 – 24 VDC 30% / –10%
Mains Frequency	50 – 60 Hz
Maximum Power Consumption	< 2 W
Output	Relay (free of potential change-over contact)
Max. Contact Current	1 A (resistive)
Max. Contact Voltage	42 VAC / VDC
Max. Switching Power	30 W (DC) / 60 VA (AC)
Cable Length	Eagle Eagle HM
	96 in (8 ft) 96 in (8 ft)
Degree of Protection	IP54
Tilt Angles	0° – 90° vertical; –30° – 30° lateral
Norm Conformance	R&TTE 1999 / 5 / EC; EMC 2004 / 108 / EC; LVD 2006 / 95 / EC RoHS 2 2011 / 65 / EU

PRODUCT SERIES

P/N	Description
10EAGLE	Flat antenna motion detector
10EAGLE1HM	Industrial motion sensor - up to 16.5 foot mounting height
10ERC	Deluxe Eagle rain cover
10ECA	Eagle ceiling adapter
10EMB	Eagle mounting bracket
10ERA	Standard rain cover
10EQD	Eagle quick disconnect harness (48 in)
10EAGLESPACER	Spacer for bi-fold applications
10INDBRACKET	Heavy duty extension bracket - adjustable from 20 in – 36 in
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in – 12 in
10REMOTE	Universal Remote Control
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

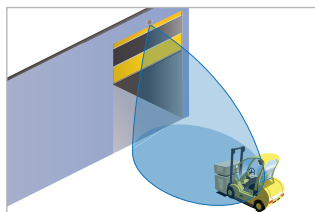
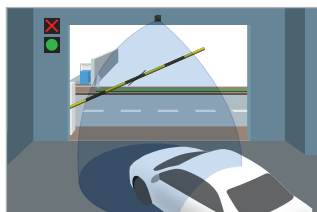
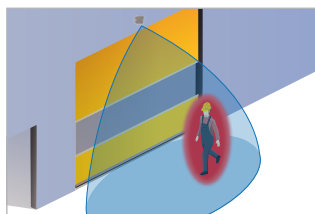
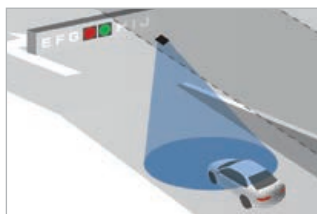


FALCON FAMILY

Motion sensor for industrial doors,
gates and warning indication

FEATURES & BENEFITS

- Bidirectional, unidirectional approach and unidirectional depart microwave detection options
- Six modes of detection filtering for pedestrian and parallel traffic rejection
- Falcon family provides three different models with various mounting heights and detection zones (see technical specifications)
- Remote control programming enables user to quickly and safely make changes from the ground
- Tilt angle from 0° – 180°
- NEMA 4 rated enclosure



TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Radiated Frequency	24.150 GHz
Transmitter Radiated Frequency	< 20 dBm EIRP
Radiated Power Density	< 5 mW / cm ²
Detection Mode	Motion
Detection Zone (WxD)	
Falcon	156 in x 192 in; @ 192 in (13 ft x 16 ft @ 16 ft)
Falcon XL	156 in x 78 in; @ 98.4 in (13 ft x 6.5 ft @ 8.2 ft)
Falcon Wide	360 in x 132 in; @ 252 in (30 ft x 11 ft @ 21 ft)
	Typical at 30° and field size 9
Tilt Angles	0° – 180°
Output	Relay (free of potential change-over contact)
Max. Contact Current	42 VAC / VDC
Max. Contact Voltage	1 A (resistive)
Adjustable Hold Time	30 W (DC); 60 VA (AC)
Minimum Detection Speed	2 in / s
LEDs	Green: Value indication Red: Detection state & parameter indication
Mains Frequency	50 – 60 Hz
Supply Voltage	12 – 24 VAC; ±10% 12 – 24 VDC; 30% / –10%
Max Power Consumption	< 2 W
Mounting Height (WxD)	
Falcon	138 in – 276 in (11.5 ft – 23 ft)
Falcon XL	78 in – 138 in (6.5 ft – 11.5 ft)
Falcon Wide	138 in – 252 in (11.5 ft – 21 ft)

TECHNICAL SPECIFICATIONS CONT'D

Dimensions	3.75 in (W) x 4 in (H) x 5 in (D)
Materials	ABS & Polycarbonate
Temperature Range	–22 °F – 140 °F
Degree of Protection	NEMA 4 / IP65
Norm Conformance	EMC: 2004 / 108 / EC R&TTE: 1999 / 5 / EC

PRODUCT SERIES

P/N	Description
10FALCON	Industrial motion detector - 11.5 ft – 23 ft high mount
10FALCONW	Industrial motion detector with wide detection fields - 11.5 ft – 21 ft high mount
10FALCONXL	Industrial motion detector - 6.5 ft – 11.5 ft low mount
10INDBRACKET	Heavy duty extension bracket - adjustable from 20 in – 36 in
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in – 12 in
10REMOTE	Universal Remote Control RECOMMENDED FOR ALL SENSOR ADJUSTMENTS
20.5365	Falcon harness, 100 ft cable
35.1240	Falcon harness, 30 ft cable



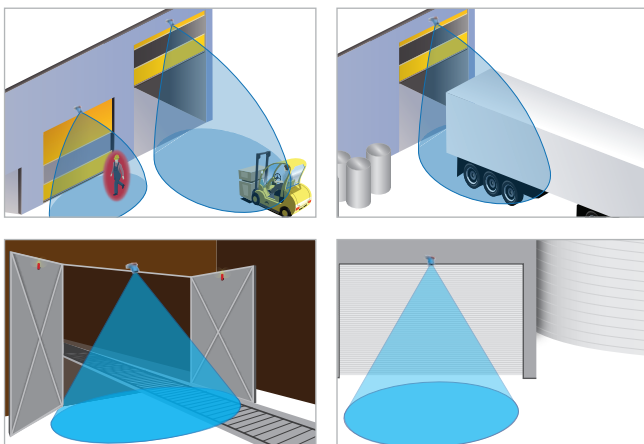
FALCON EX FAMILY

Motion sensor with
explosion-proof / flame-proof housing

**MOTION
SENSORS**

FEATURES & BENEFITS

- Bidirectional, unidirectional approach and unidirectional depart microwave detection options
- Six modes of detection filtering for pedestrian and parallel traffic rejection
- Remote control programming enables user to quickly and safely make changes from the ground
- Explosion-proof / flame-proof housing weighs 11 pounds
- Adalet / Scott Fetzer Co., UL Listing #E81696
- Class 1, Div. 1 degree of protection



TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Radiated Frequency	24.150 GHz
Transmitter Radiated Frequency	< 20 dBm EIRP
Radiated Power Density	< 5 mW / cm ²
Detection Mode	Motion
Detection Zone (W x D)	
Falcon EX 100	156 in x 192 in @ 192 in (13 ft x 16 ft @ 16 ft)
Falcon EX XL 100	156 in x 78 in @ 98.4 in (13 ft x 6.5 ft @ 8.2 ft)
Falcon EX W 100	360 in x 132 in @ 252 in (30 ft x 11 ft @ 21 ft)
	Typical at 30° and field size 9
Tilt Angles	-90° - 30° in elevation
Output	Relay (free of potential change-over contact)
Max. Contact Current	42 VAC / VDC
Max. Contact Voltage	1 A (resistive)
Max. Switching Power	30 W (DC); 60 VA (AC)
Minimum Detection Speed	2 in / s
LED Signals	Green: Value indication Red: Detection state & parameter indication
Mains Frequency	50 - 60 Hz
Supply Voltage	12 - 24 VAC; ±10% 12 - 24 VDC; 30% / -10%
Maximum Power Consumption	< 2 W

TECHNICAL SPECIFICATIONS CONT'D

Mounting Height	
Falcon EX 100	138 in - 276 in (11.5 ft - 23 ft)
Falcon EX XL 100	78 in - 138 in (6.5 ft - 11.5 ft)
Falcon EX W 100	138 in - 252 in (11.5 ft - 21 ft)
Dimensions (Housing & Bracket)	7.5 in (W) x 5.5 in (H) x 9 in (D)
Electrical Access NPT Pipe Thread	¾ in
Weight	11 lbs
Cable Length	100 ft or 30 ft
Housing / Bracket Material	Copper-free Aluminum / Aluminum
Temperature Range	-22° F - 140° F
Degree of Protection (Housing)*	UL Class I, Div. 1, Groups B, C, D; Class II, Div. 1 & 2, Groups E, F, G; Class III; CENELEC: EExd IIC; NEMA 4X, IP66
Norm Conformance	R&TTE: 1999 / 5 / EC; EMC: 2004 / 108 / EC

See page 14 for Product Series



FALCON EX FAMILY

Motion sensor with
explosion-proof / flame-proof housing

PRODUCT SERIES

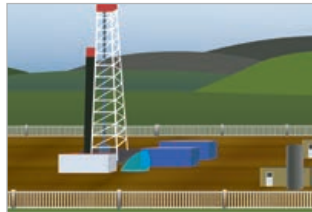
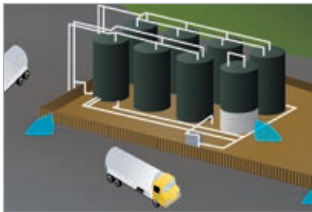
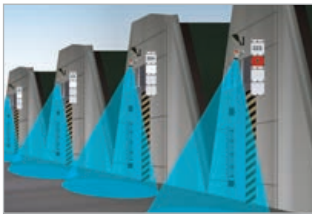
P/N	Description
10FALCONEX100	Standard mounting heights with 100 ft cable, 11.5 ft – 23 ft
10FALCONEXW100	Wide detection fields with 100 ft cable
10FALCONEXXL100	Low mounting heights, 6.5 ft – 11.5 ft, 100 ft cable included

PRODUCT SERIES CONT'D

P/N	Description
10INDBRACKET	Heavy duty extension bracket - adjustable from 20 in – 36 in
10REMOTE	Universal Remote Control RECOMMENDED FOR ALL SENSOR ADJUSTMENTS
20.5365	Falcon harness, 100 ft cable
35.1240	Falcon harness, 30 ft cable

PHOENIX EX™ FAMILY

Motion sensor with
explosion-proof / flame-proof housing
for intrusion protection



FEATURES & BENEFITS

- Bidirectional, unidirectional approach and unidirectional depart microwave detection options
- Integrated tamper alert switch and end-of-line resistors
- Optional remote control programming for ease of installation
- Explosion-proof / flame-proof housing weighs 11 pounds
- Tilt adjustment angle: -90° – 30° in elevation
- BEA Universal Remote recommended for sensor adjustments

**CONTACT YOUR BEA SALES REPRESENTATIVE FOR
PHOENIX EX™ ORDERING INFORMATION.**

TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Transmitter Frequency	24.150 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Transmitter Power Density	< 5 mW / cm ²
Detection Mode	Motion
Anti-tamper Feature	Tamper alert via output
Detection Zone (W × D)	
Standard	156 in × 192 in @ 192 in (13 ft × 16 ft @ 16 ft)
Low Mount	156 in × 78 in @ 98.4 in (13 ft × 6.5 ft @ 8.2 ft)
Wide Pattern	360 in × 132 in @ 252 in (30 ft × 11 ft @ 21 ft)
Output*	Relay (free of potential change-over contact)
Max. Contact Current	42 VAC / VDC
Max. Contact Voltage	1 A (resistive)
Max. Switching Power	30 W (DC); 60 VA (AC)
End-of-Line Resistors**	Default
Resistor 1	No Value
Resistor 2	No Value
Minimum Detection Speed	2.2 in / s
LED Signals	Green: Value indication upon query Red: Detection state & parameter indication
Supply Voltage	12 – 24 VAC; $\pm 10\%$ (50 – 60 Hz) 12 – 24 VDC; 30% / -10%
Maximum Power Consumption	< 2 W

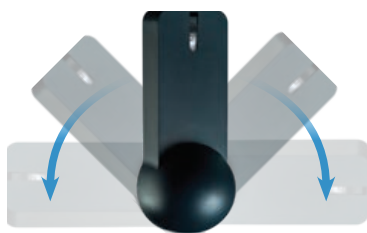
TECHNICAL SPECIFICATIONS CONT'D

Electrical Access	$\frac{3}{4}$ in NPT pipe thread
Cable Length	30 ft or 100 ft (default)
Mounting Height	
Standard	138 in – 276 in (11.5 ft – 23 ft)
Low Mount	84 in – 138 in (6.5 ft – 11.5 ft)
Wide Pattern	138 in – 252 in (11.5 ft – 21 ft)
Dimensions (Housing & Bracket)	7.5 in (W) × 5.5 in (H) × 9 in (D)
Weight	11 lbs
Housing / Bracket Material	Copper-free Aluminum / Aluminum
Temperature Range	-22°F – 140°F
Degree of Protection (Housing)***	UL Class I, Div. 1, Groups B, C, D; Class II, Div. 1 & 2, Groups E, F, G; and Class III; Class I, Zone 1 AEx d IIC; Ex d IIC; NEMA 4X rated; IP66; UL 1203; FM 3615 CAS C22.2 No. 30; UL 60079-0 / UL 60079-1; CAS 60079-0 / CSA 60079-1; ATEX Directive 94 / 9 / EC; UL 50; IEC 60529
Norm Conformance	EMC: 2004 / 108 / EC R&TTE: 1999 / 5 / EC FM: Approved Instrument Housing

*Output ratings may vary depending on optional end-of-line resistor values

**End-of-line resistor values can be ordered to custom specifications to meet application requirements

***Adalet / Scott Fetzer Co., UL Listing #E81696

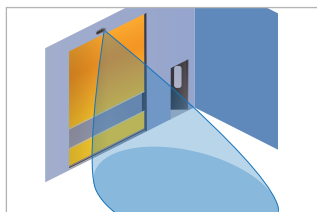
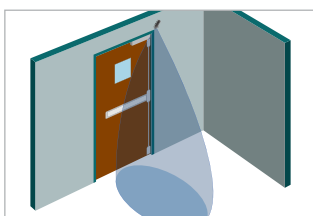
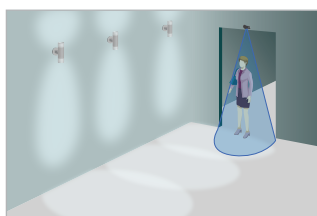


SPARROW

Variable mount
industrial motion sensor

FEATURES & BENEFITS

- Mounting height from 78 – 240 inches (6.5 – 20 feet)
- Ten sensitivity settings to optimize the detection zone
- IP64 rated enclosure for industrial and harsh environments
- Immunity settings can be adjusted to achieve various motion detection affect



TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Transmitter Frequency	24.150 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Transmitter Power Density	< 5 mW / cm ²
Detection Mode	Motion
Tilt Angles	0° – 90° vertical; –120° – 120° lateral
Output	Relay (free of potential change-over contact)
Max. Contact Current	42 VAC – 60 VDC
Max. Contact Voltage	1 A (resistive)
Adjustable Hold Time	30 W (DC) / 60 VA (AC)
Minimum Detection Speed	2 in / s (measured in the sensor axis)
Mains Frequency	50 – 60 Hz
Supply Voltage	12 – 24 VAC ±10% 12 – 24 VDC 30% / –10%
Maximum Power Consumption	< 2 W
Mounting Height	78 in – 240 in (6.5 ft – 20 ft)
Dimensions	2.25 in (W) × 5.51 in (H) × 2.17 in (D)
Material	ABS
Color	Black
Weight	5.8 oz
Cable Length	360 in (30 ft)
Temperature Range	–22 °F – 140 °F

TECHNICAL SPECIFICATIONS CONT'D

Degree of Protection	IP64
Norm Conformance	R&TTE 1999 / 5 / EC; EMC 2004 / 108 / EC

PRODUCT SERIES

P/N	Description
10SPARROW	Variable mount motion sensor
10REMOTE	Universal Remote Control REQUIRED FOR ALL SENSOR ADJUSTMENTS

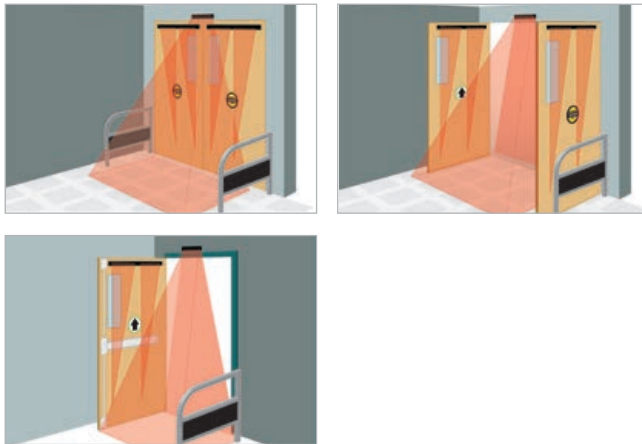


BODYGUARD-T

Overhead presence sensor
for automatic doors

FEATURES & BENEFITS

- Versatile sensor can be used on single swing, simultaneous pair, dual egress and folding doors when coupled with an interface / lockout device
- Adjustable tilt angle from 0° – 10°
- Separate pattern width, depth and sensitivity for open and closed door states for maximum flexibility

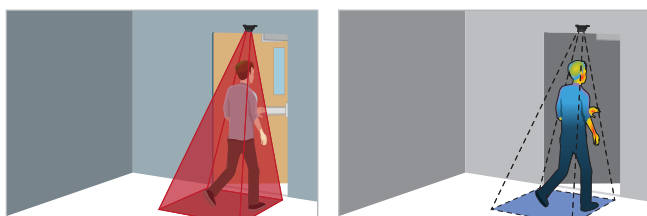


TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence
Installation Height	Variable 108 in max (9 ft) recommended 78 in – 96 in (6.5 ft – 8 ft)
Mounting Angles	Bodyguard Only: 5°, 10° (factory default setting: 5°) With Bodymount: 0°, 5°, 10°
Power Supply	12 – 24 VAC / DC ±10%
Mains Frequency	50 – 60 Hz
Output	Max. Contact Current: 1 A Max. Contact Voltage: 60 VDC / 125 VAC Max Power Supply: 30 W (DC), 60 VA (AC)
Relay Hold Time	0.5 – 9 s
Operating Temperature	–22 °F – 140 °F
Immunity	Immune to electrical and radio frequency interference
Cable	48 in (4 ft) - 6-conductor cable
Weight	1lb. 11 oz.
Dimensions	11.8 in (W) × 1.9 in (H) × 1.9 in (D)
Material	Aluminum & ABS plastic
Housing	Black anodized aluminum

PRODUCT SERIES

P/N	Description
10BODYGUARDT	Header mounted safety sensor
10BODYMNT	Spacer for Bodyguard
10BQD	Quick disconnect for Bodyguard cable (78 in)
10CAPKIT	(1) left / (1) right end cap and mounting screws
10LO21 FAMILY	Series of lock-out modules See page 47 for more information
10REMOTE	Universal Remote Control
10URC	Universal rain cover for IXIO and Bodyguard
15.0075	Harness for LO21 (B, K, P, U)
15.0082	Harness for LO21 (S)
15.5083	"Y" wiring harness for dual egress
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



FLY KIT

Compact, passive infrared
request-to-exit sensor

FEATURES & BENEFITS

- 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

TECHNICAL SPECIFICATIONS

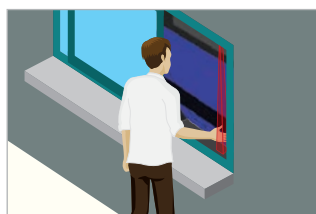
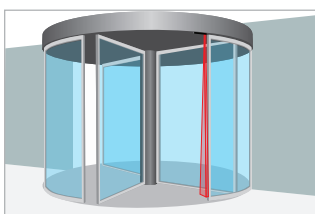
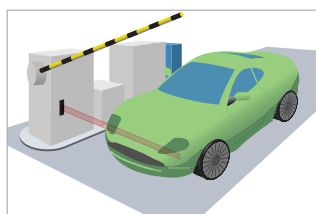
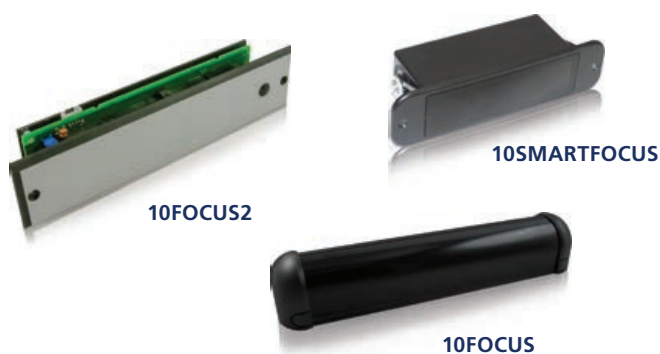
Technology	Passive Infrared
Mounting Height	Recommended: 78 – 96 in (6.5 ft – 8 ft) Maximum: 120 in (10 ft)
Mounting Angles	0° – 180°
Power Supply	12 – 24 VAC; $\pm 10\%$; (50/60 Hz) 12 – 24 VDC; -10% / 30%
Current Consumption	< 10 mA (20 mA if the relay output is activated)
Contact Rating	1 A / 75 VDC or 50 VAC potential free contact NO / NC
Optical Characteristics	Passive infrared with four elements 15 Fresnel lenses with full independent masking possibilities
Warm-up Time	10 s
Response Time	Maximum: 200 ms
Relay Hold Time	
Standard Fly	0.5 or 2 s
Fly Extended Relay Time	15 or 30 s
Operating Temperature	-22 °F – 140 °F (-30 °C – 55 °C)
Cable	108 in (9 ft) 4-conductor cable with 5-pin connector
Weight	1.4 oz (40 g)
Sensor Dimensions	4.0 in (W) \times 1.8 in (H) \times 1.0 in (D)

PRODUCT SERIES

P/N	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
70.0011	22 gauge 4-conductor cable Sold by the foot

FOCUS FAMILY

Focused active infrared
presence sensors



FEATURES & BENEFITS

- Low profile, recessed-mount enables Focus 2 and Smart Focus to protect pedestrians from contact with the moving door
- Smart Focus is fully monitored (not the Focus or Focus 2)
- Smart Focus has push button setup
- Ideal for drive-thru / pass-thru applications
- Horizontal mount for use in gate and barrier applications

PRESENCE
SENSORS

TECHNICAL SPECIFICATIONS

10FOCUS & 10FOCUS2

Technology	Focused active Infrared
Detection Mode	Presence
Power Supply	24 VAC / VDC $\pm 10\%$
Current Consumption	60 mA (On); 30 mA (Off)
Output Interface; relay	Relay; max. contact rating is 1 A @ 30 V (resistive)
Detection Range	0 – 8.2 ft
Distance Adjustment	2 – 8 ft, rotating cam with linear adjustment
Detection Time	< 50 ms
Detection Signal Duration	Infinite Presence Detection
LED Indications	Green LED = Detection
Operating Temperature Range	–30 °F – 140 °F
Connection to Controller	5-conductor cable
Relay Output	NO or NC

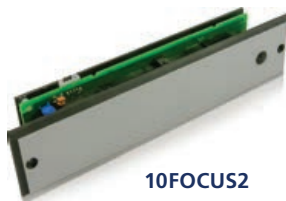
10SMARTFOCUS

Technology	Focused active Infrared
Detection Mode	Presence detection by distance measurement
Detection Zone (W x D)	1.38 in x 2.76 in @ 7.25 ft
Light Indicator	Red LED: is ON during detection Orange LED: flashes 1x after power on

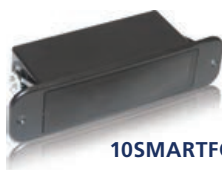
TECHNICAL SPECIFICATIONS CONT'D

Response Time	64 ms
Mounting Height	2 ft – 10 ft
Supply Voltage	12 – 24 VAC / VDC –5% / 10%
Mains Frequency	50 – 60 Hz
Max. Current Consumption	120 mA @ 24 VAC / 80 mA @ 24 VDC
Standard Output	Relay (free of potential contact) Max. Contact Voltage 42 VAC / DC Max. Contact Current 1 A (resistive) Max. Switching Power 30 W (DC) / 42 VA (AC)
Monitoring Input	1 optocoupler (free of potential contact) Max. contact voltage 30 V Voltage threshold High state: > 10 V Low state: < 1 V
Hold Time	0.5 s
Reflectivity	min. 10% at IR-wavelength of 850nm
Temperature Range	–13 °F – 131 °F (–25 °C – 55 °C); 0 – 95% rel. humidity, non-condensing
Degree of Protection	IP53
Dimensions	5.67 in (W) x 1.57 in (H) x 1.97 in (D)
Length of main cable	8.2 ft
Norm Conformity	EN 61000-6-2; EN 61000-6-3; EN 50581; EN ISO 13849-1 Performance Level «c» CAT. 2 (under the condition that the door control system monitors the sensor at least once per door cycle)

See page 20 for Product Series



10FOCUS2



10SMARTFOCUS



10FOCUS

FOCUS FAMILY

Focused active infrared
presence sensors

PRODUCT SERIES

P/N	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
10SMARTFOCUS SMA	Surface mount adapter for Smart Focus sensor

PRODUCT SERIES CONT'D

P/N	Description
15.0118	Focus harness - 240 in
30.0405	Focus harness - 72 in
35.1128	6-conductor cable with socket for Smart Focus
70.0068	Focus harness - 48 in
70.0138	Lens extrusion, order by inch

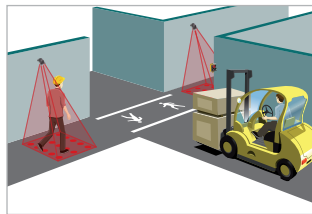
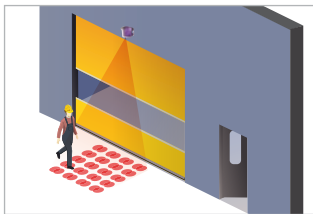
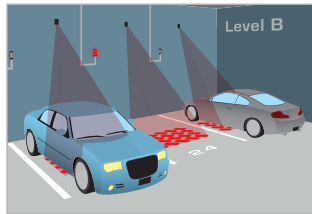


IS40P

Presence sensor with
virtual loop functionality

FEATURES & BENEFITS

- Nine unique infrared patterns capable of highly flexible presence detection in any industrial environment
- Up to seven object target sizes
- Remote control programming enables user to quickly and safely make changes from the ground (sold separately)
- Adjustable infrared immunity modes mitigate environmental disturbances such as subtle door vibrations, light and sun
- Adjustable learn time option of 30 seconds to infinity (no learn)



TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence
Mains Frequency	50 – 60 Hz
Power Consumption	< 3.5 W
Relay Output	2 Relays (free of potential change-over contact)
Max. Contact Voltage	42 VAC / VDC
Max. Contact Current	1 A (resistive)
Max. Switching Power	30 W (DC) / 48 VA (AC)
Supply Voltage	12 – 24 VAC ±10% 12 – 24 VDC 10% / –3%
Temperature Range	–22 °F – 140 °F
Tilt Angle	15° – 45°
LED Signal	Red (Presence Relay) Green (Indicator)
Transmitter Frequency / Wavelength	875 nm
Transmitter Power Density	< 250 mW / m ²
Detection Zone (W x D)	10 ft x 10 ft @ max. mounting height of 16 ft (emitting spots*)
Output Hold Time	0.5 s
Min. Detection Speed	0 in / s to activate detection
Reaction Time	250 ms
Mounting Height	96 in – 192 in (8 ft – 16 ft)

TECHNICAL SPECIFICATIONS CONT'D

Humidity	0 – 95% non-condensing
Weight	14 oz
Dimensions	3.8 in (W) x 4 in (H) x 5 in (D)
Material	ABS & Polycarbonate
Cable Length	32 ft
Degree of Protection	NEMA 4 / IP65
Norm Conformance	EMC: 2004 / 108 / EEC R&TTE: 1999 / 5 / EC

PRODUCT SERIES

P/N	Description
10IS40P	Industrial sensor utilizing active infrared presence detection
10INDBRACKET	Heavy duty extension bracket - adjustable from 20 in – 36 in
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in – 12 in
10REMOTE	Universal Remote Control RECOMMENDED FOR ALL SENSOR ADJUSTMENTS
10SPOTFINDER	Active infrared spotfinder
35.1195	8-pin conductor cable (30 ft)



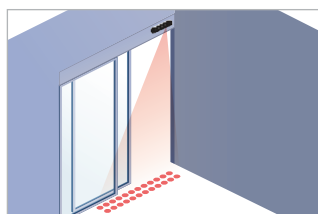
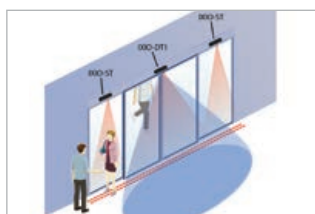
IXIO-ST

Presence sensor for
automatic sliding doors



FEATURES & BENEFITS

- Side-lite protection for reduced liability
- 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



TECHNICAL SPECIFICATIONS

Technology	Active Infrared	
Detection Mode	Presence	
Spot Size	2 in x 2 in	
Max. Number of Spots	24 per curtain	
Max. Number of Curtains	2	
Output	Electro-mechanical-relay (potential and polarity free)	Solid-state-relay (potential and polarity free)
Max. Contact Current	1 A	400 mA
Max. Contact Voltage	30 VDC	42 VDC
Hold Time	0.5 s – 9 s	0.3 s – 1 s
Test Input	N/A	Sensitivity: Low: <1 V; High: > 10 V (max.30 V) Response time on test request: typical: < 5 ms
Supply Voltage	12 – 24 VAC ±10%; 12 – 30 VDC ±10% (to be operated from SELV compatible power supplies only)	
Power Consumption	< 2.5 W	
Mounting Height	78 in – 138 in (6.5 ft – 11.5 ft)	
Temperature Range	–13 °F – 131 °F 0 – 95% relative humidity, non condensing	
Degree of Protection	IP54	
Applicable Directives	R&TTE 1999 / 5 / EC; EMC 2004 / 108 / EC; MD 2006 / 42 / EC; RoHS 2002 / 95 / EC	

TECHNICAL SPECIFICATIONS CONT'D

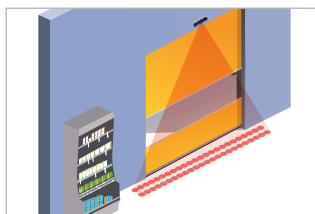
Dimensions	10.6 in (W) x 2.27 in (H) x 2.25 in (D)
Cable Length	120 in (10 ft)
Norm Conformance	EN 12978, EN ISO 13849-1:2008 PL <<<c>>> CAT.2 (under the condition that the door control system monitors the sensor at least once per door cycle), IEC 61496-1:2012 ESPE Type 2, EN 16005: 2012 Chapter 4.6.8; DIN 18650-1:2010 Chapter 5.7.4, BS 7036-1:1996 Chapter 8.1

PRODUCT SERIES

P/N	Description
10IXIOST	Active infrared presence sensor for sliding doors
10ICA	IXIO ceiling accessory
10IMB	IXIO bracket accessory
10IRA	IXIO rain accessory
10IXIOSPACER	IXIO spacer, black
10REMOTE	Universal Remote Control
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in – 12 in
20.5349	120 in (10 ft) wire harness
20.5359	360 in (30 ft) wire harness
35.1286	Black replacement cover
35.1302	White replacement cover
35.1303	Silver replacement cover

IXIO-ST INDUSTRIAL

Safety sensor for
small interior industrial doors



FEATURES & BENEFITS

- 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 foot) cable for larger / higher doors

PRESENCE
SENSORS

TECHNICAL SPECIFICATIONS

Technology	Active Infrared	
Detection Mode	Presence	
Spot Size	2 in x 2 in	
Max. Number of Spots	24 per curtain	
Max. Number of Curtains	2	
Output	Electro-mechanical-relay (potential and polarity free)	Solid-state-relay (potential and polarity free)
Max. Contact Current	1 A	400 mA
Max. Contact Voltage	30 VDC	42 VDC
Hold Time	0.5 s – 9 s	0.3 s – 1 s
Test Input	N/A	Sensitivity: Low: < 1 V; High: > 10 V (max. 30 V) Response time on test request: typical: < 5 ms
Supply Voltage	12 – 24 VAC ±10%; 12 – 30 VDC ±10% (to be operated from SELV compatible power supplies only)	
Power Consumption	< 2.5 W	
Mounting Height	78 in – 138 in (6.5 ft – 11.5 ft)	
Temperature Range	–13 °F – 131 °F 0 – 95% relative humidity, non condensing	
Degree of Protection	IP54	
Applicable Directives	R&TTE 1999 / 5 / EC; EMC 2004 / 108 / EC; MD 2006 / 42 / EC; RoHS 2002 / 95 / EC	

TECHNICAL SPECIFICATIONS CONT'D

Dimensions	10.6 in (W) x 2.27 in (H) x 2.25 in (D)
Cable Length	360 in (30 ft)
Norm Conformance	EN 12978, EN ISO 13849-1:2008 PL <<<>>> CAT.2 (under the condition that the door control system monitors the sensor at least once per door cycle), IEC 61496-1:2012 ESPE Type 2, EN 16005: 2012 Chapter 4.6.8; DIN 18650-1:2010 Chapter 5.7.4, BS 7036-1:1996 Chapter 8.1

PRODUCT SERIES

P/N	Description
10IXIOSTINDUS	Active infrared safety sensor for small interior industrial doors
10ICA	IXIO ceiling accessory
10IMB	IXIO bracket accessory
10IRA	IXIO rain accessory
10IXIOSPACER	IXIO spacer, black
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in – 12 in
10REMOTE	Universal Remote Control
20.5349	120 in (10 ft) wire harness
20.5359	360 in (30 ft) wire harness
35.1286	Black replacement cover
35.1302	White replacement cover
35.1303	Silver replacement cover



LZR®-H110

Laser scanner for
gate & barrier applications

FEATURES & BENEFITS

- Two relays allow for activation via motion or presence
- Suitable for applications where cutting ground for loops is prohibited or impossible
- True presence-based detection which ensures accurate and immediate activation
- Ability to detect vehicle trajectory during approach and depart
- Maximum detection field of 252 in × 198 in (21 ft × 16.5 ft)
- Teach-in setup via walk path or remote control configuration



TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Motion & Presence
Max. Detection Range	5.0 m × 6.5 m (16.5 ft × 21 ft)
Remission Factor	> 2%
Angular Resolution	0.3516°
Emission Characteristics	
IR LASER	Wavelength 905 nm; maximum output pulse power 75 W (CLASS 1)
Red Visible LASER	Wavelength 650 nm; maximum output CW power 3 mW (CLASS 3R)
Supply Voltage	10 – 35 VDC @ Sensor Terminal
Peak Current at Power-On	1.8 A (Max. 80 ms @ 35 V)
Power Consumption	< 5 W
Response Time	Min. 20 ms; Max. 80 ms
Output	2 electronic relays (galvanic isolated – polarity free)
Max. Switching Voltage	35 VDC / 24 VAC
Max. Switching Current	80 mA (resistive)
LED-Signal	1 Blue LED: Status « Power-on » 1 Orange LED: Status « Error » 2 Red / Green LEDs: Status « Detection/Output »
Dimensions	
Housing	3.66 (W) × 2.75 in (H) × 5 in (D)
10LBA Mounting Bracket	Adds 0.55 in
Cable Length	10 m (30 ft)
Material	PC / ASA
Color	Black
Tilt Angle on Bracket	±3°

TECHNICAL SPECIFICATIONS CONT'D

Rotation Angle on Bracket	±5° (Lockable)
Degree of Protection	NEMA 4 / IP65
Temperature Range	–30 °C – 60 °C if powered; –10 °C – 60 °C if unpowered
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
Pollution on Front Screens	Max. 30%; Homogenous
Test Body Dimensions	< 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; 2004 / 108 / EC: EMC; EN 60529:2001; IEC 60825-1:2007; EN 60950-1:2005; EN 61000-6-2:2005; EN 61000-6-3:2006

PRODUCT SERIES

P/N	Description
10LZRH110	Laser scanner with highly precise detection zone
10LBA	LZR mounting bracket accessory *SOLD SEPARATELY
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in – 12 in
10PSMDR2024	DIN Rail Power Supply, 100 - 240 VAC / 24 VDC Power Supply
10PS12-24	UL / ULC Listed power supply 12 / 24 VDC - 1.75 A
10REMOTE	Universal Remote Control REQUIRED FOR ALL SENSOR ADJUSTMENTS

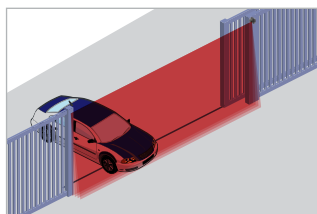


LZR®-I30

Laser scanner for
industrial automation

FEATURES & BENEFITS

- Four curtains of detection each capable of 360 in × 360 in (30 ft × 30 ft)
- Detects objects as small as 2 inches at 30 feet away, depending on application
- Degree of protection: NEMA 4 / IP65
- Has the ability to ignore dynamic ground conditions and extreme weather
- Three visible LEDs for pattern alignment



TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Motion / Presence (EN 12453 Typ. E)
Max. Detection Range	360 in × 360 in (30 ft × 30 ft)
Detection Plane	4 curtains per sensor, curtain spread dependent on mounting height
Remission Factor	> 2%
Emission Characteristics	Wavelength 905 nm; maximum output pulse power 75 W (Class 1) IR LASER Wavelength 650 nm; maximum output CW power 3 mW (Class 3R) Red Visible LASER
Supply Voltage	10 – 35 VDC @ Sensor Terminal (to be operated from SELV compatible power supplies only)
Peak Current at Power-On	1.8 A (Max. 80 ms @ 35 V)
Power Consumption	< 5 W
Response Time	Typ. 20 ms; max. 80 ms (+ output activation delay)
Output	2 electronic relays (galvanic isolated – polarity free) Max. Switching Voltage 35 VDC / 24 VAC Max. Switching Current 80 mA (resistive)
LED-Signal	1 Blue LED: Status « Power-on » 1 Orange LED: Status « Error » 2 Bi-colored LEDs: Detection/Output Status (Green: no detection; Red: detection)
Cable Length	360 in (30 ft)
Material	PC / ASA
Color	Black

TECHNICAL SPECIFICATIONS CONT'D

Rotation Angle on Bracket	±5° (Lockable)
Tilt Angle on Bracket	±3°
Dimensions	Housing 5 in (W) × 2.75 in (H) × 3.66 in (D) 10LBA Mounting Bracket Adds 0.55 in
Degree of Protection	NEMA 4 / IP65
Temperature Range	–22 °F – 140 °F if powered 14 °F – 140 °F if unpowered
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
Pollution on Front Screens	Max. 30% ; Homogeneous
Test Body Dimensions	< 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; 2004 / 108 / EC: EMC; 2006 / 42 / EC: MD; EN 12453:2000 chapter 5.1.1.6, chapter 5.5.1 Safety device E; EN 12978:2009; EN ISO 13849-1:2008 CAT2, PL "d"; EN 60529:2001; IEC 60825-1:2007; EN 60950-1:2005; EN 61000-6-2:2005; EN 61000-6-3:2006; IEC 61496-1:2009; EN 61496-3: 2008 ESPE Type 2; EN 62061:2005 SIL 2

See page 26 for Product Series



LZR®-I30

Laser scanner for industrial automation

PRODUCT SERIES

P/N	Description
10LZRI30	Laser scanner with highly precise detection zone
10INDBRACKET	Heavy duty extension bracket - adjustable from 20 in – 36 in
10LBA	LZR mounting bracket accessory
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in – 12 in
10PSMDR2024	DIN Rail Power Supply, 100 - 240 VAC / 24 VDC Power Supply

PRODUCT SERIES CONT'D

P/N	Description
10PS12-24	UL / ULC Listed power supply 12 / 24 VDC - 1.75 A
10PSVR5T	Voltage regulator, 24 VAC / 24 VDC
10REMOTE	Universal Remote Control REQUIRED FOR ALL SENSOR ADJUSTMENTS
35.1242	360 in (30 ft), 8-conductor cable

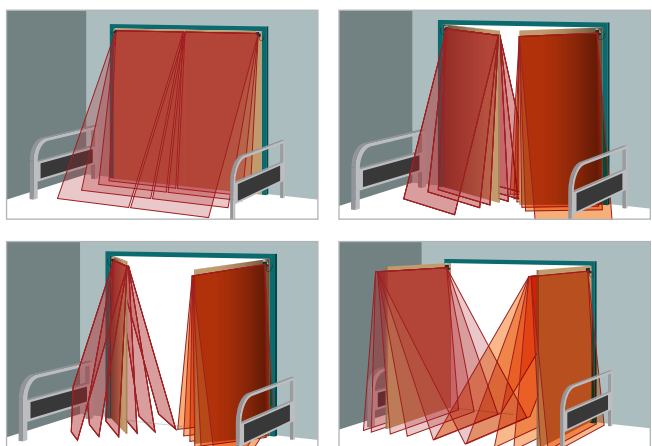


LZR®-MICROSCAN T

Standalone, door-mounted,
swing door safety system

FEATURES & BENEFITS

- Plug & play technology utilizing a centralized hub and intuitive LCD interface greatly reduces installation and setup time
- High resolution, self-adapting detection zones, coupled with reduced uncovered zones create the most accurate and reliable safety sensor
- On-board error log ensures easy technical support
- Fully monitored internally, capable of external monitoring



TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Presence
Min. / Max. Door Width	20 in – 48 in (per door leaf) (measured from leading edge to sensor LED)
Mounting Height	75 in – 98 in (6.25 ft – 8.2 ft) (measured from finished floor to sensor LED)
Remission Factor	> 2%
Angular Resolution	2.56°
Test Body	12 in (W) × 28 in (H) × 8 in (D) (according to UL 325)
Emission Characteristics	
IR laser	Wavelength 905 nm; Maximum Output Pulse Power 35 W (Class 1)
Supply Voltage	12 – 30 VDC (15 W Class II)
Power Consumption	< 15 W
Response Time	Typ. 40 ms; Max. 80 ms
Output Rating	4 electro-mechanic relays (galvanic isolated - polarity free) All outputs Class 2 supply, 12 – 24 VAC, 12 – 30 VDC, Max. 15 W
Input Rating	2 optocouplers (galvanic isolated - polarity free) 12 – 24 VAC, 50 / 60 HZ, 12 – 30 VDC, Max. 15 W
Test Input*	8 – 15 VDC

TECHNICAL SPECIFICATIONS CONT'D

Temperature Range	–13 °F – 121 °F (–25 °C – 55 °C)
Degree of Protection	Hub: IP20 / NEMA 1 Sensor: IP53 / NEMA 3
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° – 5° (for angles less than 5° contact Technical Support)
Pollution on Front Screens	Maximum 30%; Homogenous

*See Application Notes or contact BEA for technical support.

See page 28 for Product Series, Sensor Kits
and Optional Mounting Kits



AAADM



ANSI



AAADM Certified Technicians.
Please contact BEA or consult
price book for availability.



LZR®-MICROSCAN T

Standalone, door-mounted,
swing door safety system

PRESENCE
SENSORS

PRODUCT SERIES

P/N	Description
10LZRMICROSCAN1T	Single door kit (1) left sensor, (1) right sensor, (1) hub, (1) master harness, (1) slave harness, (1) door control harness, (1) home switch, (1) door loop / cap kit, (1) sensor spacer
	(1) 10LZRMICROSCAN1T, (1) 10LZRMICROSCAN-UKIT
10LZRMICROSCAN1UT	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
10LZRMICROSCAN2T	(1) 10LZRMICROSCAN2T, (1) 10LZRMICROSCAN-UKIT
10LZRMICROSCAN2UT	Universal Accessory kit converts Single Door kit and Pair/Dual Egress Door kit into 10MICROSCAN1UT and 10MICROSCAN2UT. This kit includes: (1) power supply, (1) ON / OFF / HOLD OPEN switch

OPTIONAL MOUNTING KITS

P/N	Description
10MICROSCANMOUNT	Center pivot door mounting kit includes: (1) Left mounting arm (1) Right mounting arm
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) 55.0001 - Door loop end cap for door frame

REPLACEMENT COMPONENTS

P/N	Description
10LZRMICROLEFTT	Left LZR-microscan sensor
10LZRMICRORIGHTT	Right LZR-microscan sensor
10LZRMICROSCANHUBT	LZR-microscan hub
10DOORSWITCH	Universal Kit ON / OFF / HOLD OPEN switch
20.5095	Power supply harness
20.5096	Eagle 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	Home Switch (surface 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

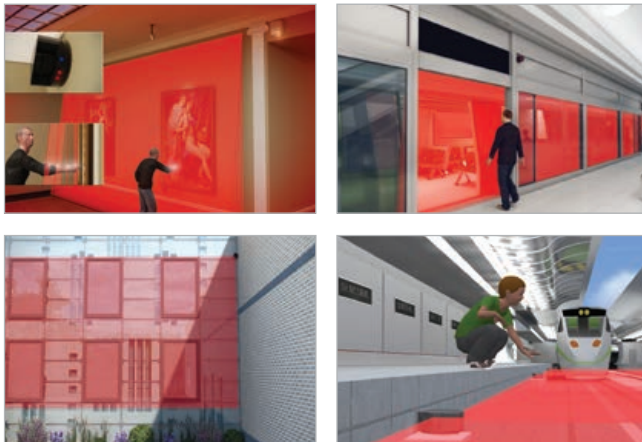


LZR®-S600

Laser scanner for
building automation and security

FEATURES & BENEFITS

- Maximum detection range of 984 in × 984 in (82 ft × 82 ft)
- Degree of protection: NEMA 4 / IP65
- High immunity to environmental interferences
- Has the ability to ignore dynamic ground conditions and extreme weather



TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Motion / Presence (EN 12453 Typ. E)
Max. Detection Range	984 in × 984 in (82 ft × 82 ft)
Detection Plane	4 curtains per sensor, curtain spread dependent on mounting height
Angular Resolution	0.3516°
Emission Characteristics	Wavelength 905 nm; maximum output pulse power 75 W (Class 1) IR LASER Red Visible LASER Wavelength 650 nm; maximum output CW power 3 mW (Class 3R)
Supply Voltage	10 – 35 VDC @ Sensor Terminal
Peak Current at Power-On	1.8 A (Max. 80 ms @ 35 V)
Power Consumption	< 5 W
Response Time	Typ. 20 ms; max. 80 ms (+ output activation delay)
Output	2 electronic relays (galvanic isolated – polarity free) Max. Switching Voltage 35 VDC / 24 VAC Max. Switching Current 80 mA (resistive)
LED-Signal	1 Blue LED: Status « Power-on » 1 Orange LED: Status « Error » 2 Bi-colored LEDs: Detection/Output Status (Green: no detection; Red: detection)
Cable Length	360 in (30 ft)
Material	PC / ASA

TECHNICAL SPECIFICATIONS CONT'D

Color	Black
Rotation Angle on Bracket	±5° (Lockable)
Tilt Angle on Bracket	±3°
Dimensions	Housing 5 in (W) × 2.75 in (H) × 3.66 in (D) 10LBA Mounting Bracket Adds 0.55 in
Degree of Protection	NEMA 4 / IP65
Temperature Range	–22 °F – 140 °F if powered 14 °F – 140 °F if unpowered
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
Pollution on Front Screens	Max. 30% ; Homogeneous
Norm Conformance	2006 / 95 / EC: LVD; 2002 / 95 / EC: RoHS; 2004 / 108 / EC: EMC; EN 60529:2001; IEC 60825-1:2007 Laser Class 1 & 3R; EN 60950-1:2005; EN 61000-6-2:2005 EMC - Industrial level; EN 61000-6-3:2006 EMC - Commercial level

See page 30 for Product Series



LZR®-S600

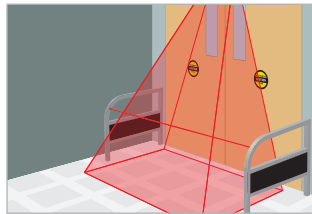
Laser scanner for
building automation and security

PRODUCT SERIES

P/N	Description
10LZRS600	Presence detection for building automation and security
10LBA	LZR mounting bracket accessory
10INDBRACKET	Heavy duty extension bracket - adjustable from 20 in – 36 in
10PSMDR2024	DIN Rail Power Supply, 100 - 240 VAC / 24 VDC Power Supply
10PS12-24	UL / ULC listed power supply 12 / 24 VDC - 1.75 A

PRODUCT SERIES CONT'D

P/N	Description
10PSVR5T	Voltage regulator, 24 VAC / 24 VDC
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in – 12 in
10REMOTE	Universal Remote Control REQUIRED FOR ALL SENSOR ADJUSTMENTS
35.1242	360 in (30 ft), 8-conductor cable



MICROCELL ONE

Photo beams for
pedestrian automatic doors

FEATURES & BENEFITS

- Easy installation on all types of automatic pedestrian doors
- LED indicators assist in setting up alignment
- Can be mounted as low as 12 inches from the floor
- Maximum range of detection of 180 inches, with an 8° alignment tolerance
- Relay can be set as normally open or normally closed
- Capable of meeting ANSI 156.10 standard for swing door safety when paired with BEA's Bodyguard

PRESENCE
SENSORS

TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Detection Mode	Presence (Beam Interruption)
Min. Mounting Height	12 in from floor
Min. Distance Between Beams	12 in (crossed beams)
Min. Range of Detection	36 in (3 ft)
Max. Range of Detection	180 in (3 ft)
Alignment Tolerance	8°
Response Time	≤ 40 ms
Hold Time	300 ms
Supply Voltage	12 – 24 VAC; ±10% 12 – 24 VDC; –5% / 30%
Current Consumption	< 100 mA
Output Contact Rating	1 Relay (NC / NO contacts)
Max. Contact Current	1 A
Max. Contact Voltage	50 V AC / DC
Max. Switching Power	30 W (DC) / 60 VA (AC)
Adjustment (via DIP Switch)	Single / Double beams Standard / Inverted outputs Standard / Reduced range Test / Default
Operating Temperature	–30 °F – 131 °F

TECHNICAL SPECIFICATIONS CONT'D

Dimensions	
Head Body	< 1 ⁵ / ₃₂ in (L embed) × 1 ⁵ / ₃₂ in (ø)
Head Harness	5 ⁷ / ₈ in (ø)
Control Board	3 in (W) × 1 in (H) × 2 in (D)
Immunity	
Ambient Light	75,000 lux
Incandescent Lamp	25,000 lux @ 8° angle
Electromagnetic Compatibility	According to 89 / 336 / EEC
Cable Length	18 ft (standard), 32 ft (optional)
Material	ABS
Degree of Protection	NEMA 4 / IP65 (beam heads)

See page 32 for Product Series



MICROCELL ONE

Photo beams for
pedestrian automatic doors

PRODUCT SERIES

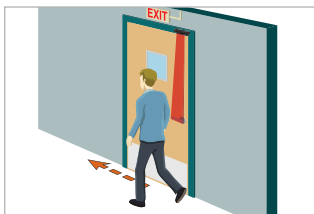
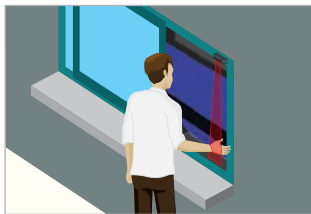
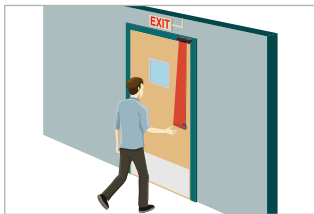
P/N	Description
10MICROCELL1S	Single safety beam with control box - 18 ft cable
10MICROCELL1SL	Single safety beam with control box - 32 ft cable
10MICROCELL1D	Double safety beam with control box - 18 ft cable
10MICROCELL1DL	Double safety beam with control box - 32 ft cable
10MICROCELLADAPTER	Wiring kit 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

PRODUCT SERIES CONT'D

P/N	Description
10MICRO1SADAPT	Microcell single beam adapter kit allows for Microcell beams to replace Optex beams without running a new cable (1) set of Microcell emitter / receiver 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 / receiver 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
20.0056	Emitter and Receiver 18 ft cable set

R2E-100

Focused active infrared
request-to-exit sensor



FEATURES & BENEFITS

- UL 294 / ULC S319 Listed
- Adjustable tilt angle from 0° – 10°
- Adjustable detection range from 20 – 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

**The R2E-100 can accommodate swinging doors with lever handle locksets up to 7 feet*

TECHNICAL SPECIFICATIONS

Technology	Focused Active Infrared
Supply Voltage	12 – 24 VAC / VDC; ±10% @ 60 Hz
Current	
Sounder OFF	155 mA
Sounder MAX VOLUME	200 mA
Temperature (UL Install)	32 °F – 120 °F (0 °C – 49 °C)
Temperature	–20 °F – 120 °F (–29 °C – 49 °C)
Humidity (ULC S319 Installation)	0% – 93% non-condensing
Humidity (UL 294 Installation)	0% – 85% non-condensing
Detection Range	20 in – 48 in, adjustable
Relay	2 Form "C" contact sets; 1.3 A @ 24 VAC / 30 VDC
Relay Hold Time	0.5 s – 60 s, adjustable
Sounder	85 dB max, adjustable volume
Indicator LEDs	Green, Red, Yellow, Orange
REX Input	DRY contact, NO
Card Reader Input	DRY contact, NC
Door Position Switch Input	DRY contact, NO
Dimensions	6.875 in (W) × 1.875 in (H) × 2.0 in (D)
Material	Plastic (ABS and PC)
Wiring Interface	JST (14-pin) with 4 ft cable
Norm Conformance	UL 294 / ULC S319; FCC Part 15 B

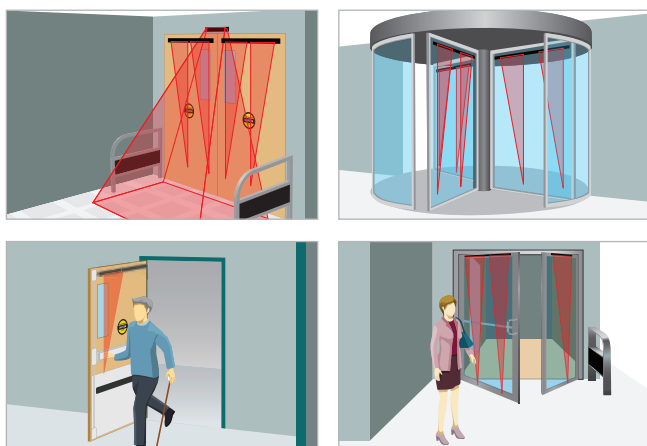
PRODUCT SERIES

P/N	Description
10R2E-100	UL / ULC Listed, active infrared request-to-exit detector specifically designed for access control applications



SUPERSCAN-T

Door mounted,
active infrared safety sensor



FEATURES & BENEFITS

- Housing available up to 102 inches in length; can be field cut to desired door width
- Capable of meeting ANSI 156.10 standard for swing door safety when coupled with BEA's Bodyguard
- Designed to mount at the top of the door to reduce accidental damage
- Can be set to background analysis mode to reduce the chance of false detection from faulty environmental situations
- Capable of external monitoring

TECHNICAL SPECIFICATIONS

Technology	Active Infrared with background suppression
Detection Mode	Presence
Measurement of Distance	Triangulation
Power Supply	12 – 24 VAC $\pm 10\%$ / 12 – 24 VDC $\pm 10\%$
Detection Range	96 in (8 ft)
Max Mounting Height	0 in – 96 in (0 ft – 8 ft)
Detection Signal Duration	Infinite presence detection
Detection Time	< 50 ms
Input Inhibit	12 – 24 VAC $\pm 10\%$ / 12 – 24 VDC $\pm 10\%$ / Inhibited when voltage is applied
SMR Input Data	12 – 18 VDC, Inhibited when voltage is applied
Output Interface / Relay	
Max. Contact Rating	1 A @ 30 V (resistive)
Hold Time	0.1 s – 4.5 s

PRODUCT SERIES

LED Indications	
Master	Red LED = Detection Green LED = Active Output
Slave	Red LED = Detection
Operating Temperature Range	–30 °F – 140 °F
PCB Dimensions	
Master	10.91 in (W) \times 1.5 in (H)
Slave	8.75 in (W) \times 1.5 in (H)
Connection (Door Controller)	8-position screw terminal on master PCB
Connection (Master to Slave)	Flat ribbon cable with connectors and key lock
Max. Number of Slaves	Standard = 9 With monitoring = 8
Functions Selection	Detection mode - NO or NC Normal mode or background analysis mode

See page 36 for Related Products



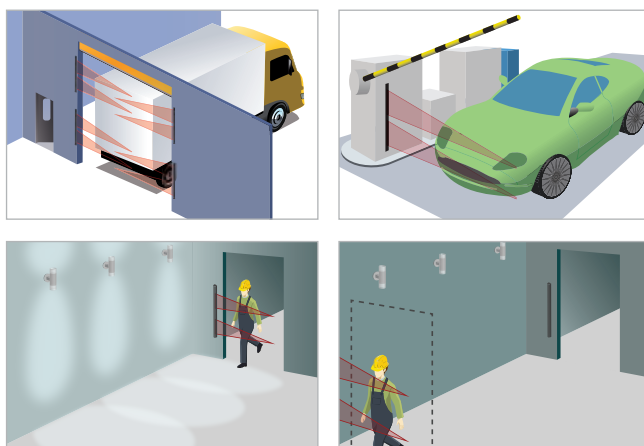
SUPERSCAN-T INDUSTRIAL

Active infrared
presence sensor

FEATURES & BENEFITS

- Detection range of 0 – 96 inches
- Master with up to 8 slaves monitored
- Housing available up to 102 inches; can be field-cut to desired door width
- Can be mounted vertically or horizontally based on application
- Relay hold time can be adjusted from 0.1 – 4.5 seconds
- Can be set to background analysis mode to reduce the chance of false detection from faulty environmental situations
- Capable of external monitoring

PRESENCE
SENSORS



TECHNICAL SPECIFICATIONS

Technology	Active Infrared with background suppression
Detection Mode	Presence
Measurement of Distance	Triangulation
Power Supply	12 – 24 VAC $\pm 10\%$ / 12 – 24 VDC $\pm 10\%$
Detection Range	24 in – 96 in (2 ft – 8 ft)
Detection Signal Duration	Infinite presence detection
Detection Time	< 50 ms
Input Inhibit	12 – 24 VAC $\pm 10\%$ / 12 – 24 VDC $\pm 10\%$ / Inhibited when voltage is applied
SMR Input Data	12 – 18 VDC, Inhibited when voltage is applied
Output Interface / Relay	
Max. Contact Rating	1 A @ 30 V (resistive)
Hold Time	0.1 s – 4.5 s

TECHNICAL SPECIFICATIONS CONT'D

LED Indications	
Master	Red LED = Detection Green LED = Active Output
Slave	Red LED = Detection
Operating Temperature Range	–30 °F – 140 °F
PCB Dimensions	
Master	10.91 in (W) \times 1.5 in (H)
Slave	8.75 in (W) \times 1.5 in (H)
Connection (Door Controller)	8-position screw terminal on master PCB
Connection (Master to Slave)	Flat ribbon cable with connectors and key lock
Max. Number of Slaves	Standard = 9 With monitoring = 8
Functions Selection	Detection mode - NO or NC Normal mode or background analysis mode

See page 36 for Related Products



SUPERSCAN-T / SUPERSCAN-T INDUSTRIAL

Product series and
accessories

PRODUCT SERIES

P/N	Description
10SSTI	1 Master 34.5 inch end cap to end cap
10SSTICUSTOM	1 Master Custom Length (13 inch min.) (for 36 inch doors)
10SSTI40	1 Master 40 inch end cap to end cap (for 42 inch doors)
10SSTI42	1 Master 42 inch end cap to end cap (for 44 inch doors)
10SSTI48	1 Master 48 inch end cap to end cap (for 50+ inch doors)
10SSTII	1 Master 1 Slave 34.5 inch end cap to end cap (for 36 inch doors)
10SSTIICUSTOM	1 Master 1 Slave Custom Length, (24.5 inch min.)
10SSTII40	1 Master 1 Slave 40 inch end cap to end cap (for 42 inch doors)
10SSTII42	1 Master 1 Slave 42 inch end cap to end cap (for 44 inch doors)
10SSTII44	1 Master 1 Slave 44 inch end cap to end cap (for 46 inch doors)
10SSTII48	1 Master 1 Slave 48 inch end cap to end cap (for 50+ inch doors)
10SSTIII	1 Master 2 Slaves 34.5 inch end cap to end cap (for 36 inch doors)
10SSTIIICUSTOM	1 Master 2 Slaves Custom Length (34.5 inch min.)
10SSTIVCUSTOM	1 Master 3 Slaves Custom Length (46.5 inch min.)
10SSTSLAVE	SuperScan slave unit includes ribbon connector (no housing)
10SSTMASTER	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

PRODUCT SERIES CONT'D

P/N	Description
10CAPKIT	(1) Left / (1) right end cap and mounting screws
10LE21	Lock out relay for low energy doors that inhibits approach-side SuperScan sensors on automatic doors when used manually
20.0111	6-conductor cable, cut to 108 in (9 ft)
30.0015	Ribbon connector cable connects masters and slaves
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)
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 piece, ordered per inch - stocked in 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)

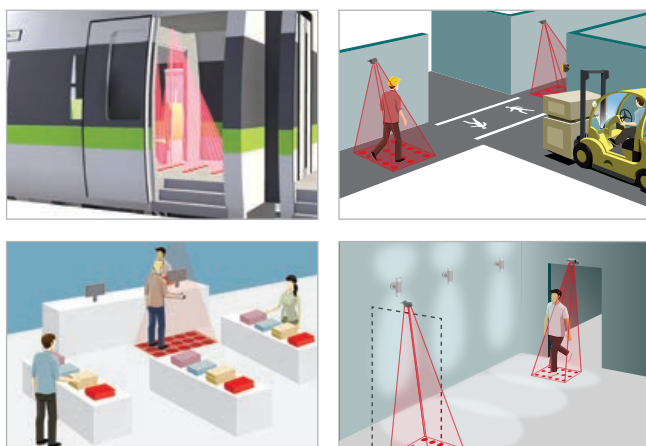


BEAMBOX

Active infrared motion
and presence sensor

FEATURES & BENEFITS

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



TECHNICAL SPECIFICATIONS

Technology	Active infrared with background analysis
Detection Mode	Motion & Presence
Optical Features	15 independent IR spots with a diameter of typ. 0.43 in
Maximum Mounting Height	98.4 in (8.2 ft) (flush mounting)
Tilt Angles	0° – 20° vertical in steps of 5°
Detection Zone (W × D)	39.6 in (3.3 ft) × 46.8 in (3.9 ft); @ mounting height 6.5 ft; tilt angle 20°
Reaction Time	< 100 ms
Supply Voltage	12 – 30 VAC ±10%; 12 – 45 VDC ±10%
Power Consumption	< 3 W (VA)
Output	Relay (free of potential change-over contact)
Max. Contact Current	1 A (resistive)
Max. Contact Voltage	42 VAC – 60 VDC
Max. Switching Power	30 W (DC) / 60 VA (AC)
Monitoring Input	Optocoupled (free of potential)
Input Voltage	10 – 24 VDC
Input Current	< 10 mA (@ 24 V)
Connection (sensor side)	Unpluggable integrated 7-pin connector
Hold Time	0.5 s – 9 s (adjustable)
LED Signal	Red and Green
Mains Frequency	50 – 60 Hz

TECHNICAL SPECIFICATIONS CONT'D

Temperature Range	–13 °F – 136 °F (operating); –22 °F – 140 °F (storage)
Degree of Protection	IP41
Dimensions	5.5 in (W) × 1.5 in (H) × 2.2 in (D)
Weight	3.5 oz
Enclosure Material / Color	Polycarbonate / Black
Cable Length	96 in (8 ft)

PRODUCT SERIES

P/N	Description
10BEAMBOX	Uses a 3 × 5 matrix of infrared spots, 15 total, where each can be individually activated <i>Monitoring capable</i>
10REMOTE	Universal Remote Control REQUIRED FOR ALL SENSOR ADJUSTMENTS
10SPOTFINDER	Active infrared spotfinder

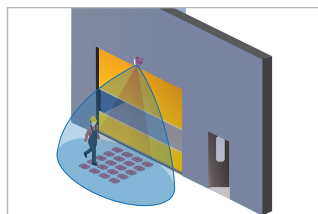
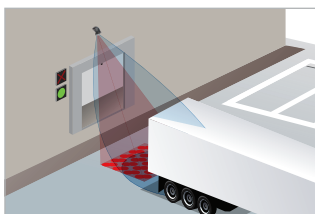
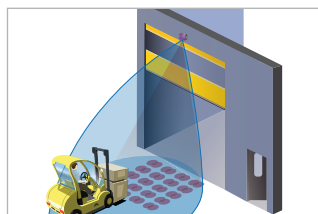


IS40 / XL

Motion and presence sensor series
for industrial doors

FEATURES & BENEFITS

- 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
- Nine unique infrared patterns capable of highly flexible presence detection in any industrial environment
- Up to seven minimum object targets
- Adjustable infrared immunity modes mitigate environmental disturbances such as subtle door vibrations, light and sun



TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar	Active Infrared
Detection Mode	Motion	Presence
LED Signal	Green (Activation Relay)	Red (Presence Relay)
Transmitter Frequency / Wavelength	24.150 GHz	875 nm
Transmitter Power Density	< 5 mW / cm ²	< 250 mW / m ²
Max. Detection Field		
IS40	156 in x 198 in	120 in x 120 in
IS40XL	156 in x 78 in	90 in x 90 in
Output Hold Time	0.5 s – 9 s	0.5 s
Min. Detection Speed	2 in / s in sensor axis	0 in / s
Tilt Angle	–8° – 22° (Relative to sensor face)	15° – 45°
Mains Frequency	50 – 60 Hz	
Power Consumption	< 3.5 W	
Relay Output	2 relays (free of potential change-over contact)	
Max. Contact Voltage	42 VAC / VDC	
Max. Contact Current	1 A (resistive)	
Max. Switching Power	30 W (DC) / 48 VA (AC)	
Installation Height		
IS40	96 in – 192 in (8 ft – 16 ft)	
IS40XL	78 in – 138 in (6.5 – 11.5 ft)	
Temperature Range	–22 °F – 140 °F	

TECHNICAL SPECIFICATIONS CONT'D

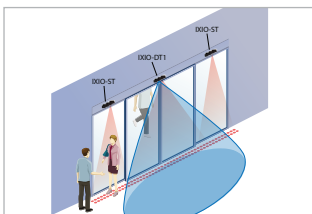
Dimensions	3.75 in (W) x 4 in (H) x 5 in (D)
Materials	ABS & Polycarbonate
Cable Length	360 in (30 ft)
Degree of Protection	NEMA 4 / IP65
Norm Conformance	R&TTE: 1999 / 5 / EC; EMC 2004 / 108 / EEC

PRODUCT SERIES

P/N	Description
10IS40	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 for low mounting heights
10INDBRACKET	Heavy duty extension bracket - adjustable from 20 in – 36 in
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in – 12 in
10SPOTFINDER	Active infrared spotfinder
10REMOTE	Universal Remote Control RECOMMENDED FOR ALL SENSOR ADJUSTMENTS
35.1195	8-pin conductor cable (30 ft)

IXIO-DT1

Motion and presence sensor for
automatic sliding 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
- Fully monitored internally, capable of external monitoring

MOTION + PRESENCE
SENSORS

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 ²	N/A
Spot Size	N/A	2 in x 2 in
Max. Number of Spots	N/A	24 per curtain
Max. Number of Curtains	N/A	2
Output	Electro-mechanical-relay (potential and polarity free)	Solid-state-relay (potential and polarity free)
Max. Contact Voltage	30 VDC	42 VDC
Max. Contact Current	1 A	400 mA
Hold Time	Microwave: 0.5 s – 9 s (user adjustable)	Infrared: 0.3 s – 1 s
Test Input	N/A	Sensitivity: Low: < 1 V; High: > 10 V (max.30 V) Response time on test request: typical: < 5 ms
Supply Voltage	12 – 24 VAC ±10%; 12 – 30 VDC ±10% (to be operated from SELV compatible power supplies only)	

TECHNICAL SPECIFICATIONS CONT'D

Power Consumption	< 2.5 W
Temperature Range	–13 °F – 131 °F 0 – 95% relative humidity, non condensing
Mounting Height	78 in – 138 in (6.5 ft – 11.5 ft)
Degree of Protection	IP54
Applicable Directives	R&TTE 1999 / 5 / EC; EMC 2004 / 108 / EC; MD 2006 / 42 / EC; RoHS 2002 / 95 / EC
Dimensions	10.6 in (W) x 2.27 in (H) x 2.25 in (D)
Cable Length	120 in (10 ft)

See page 40 for Product Series



AAADM



AAADM Certified Technicians.
Please contact BEA or consult
price book for availability.

IXIO-DT1

Motion and presence sensor for
automatic sliding doors



PRODUCT SERIES

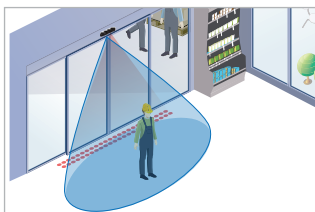
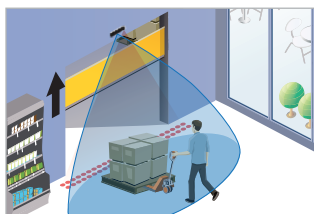
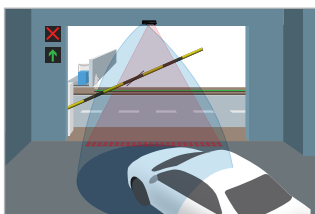
P/N	Description
10XIODT1	Dual technology sensor for sliding doors
10CDA	IXIO curved door accessory
10ICA	IXIO ceiling accessory
10IMB	IXIO bracket accessory
10IRA	IXIO rain accessory
10XIOSPACER	Black, plastic spacer
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in – 12 in
10REMOTE	Universal Remote Control

PRODUCT SERIES CONT'D

P/N	Description
20.5349	120 in (10 ft) wire harness
20.5359	360 in (30 ft) wire harness
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

IXIO-DT1 INDUSTRIAL

Motion and presence 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
- Fully monitored internally, capable of external monitoring

MOTION + PRESENCE
SENSORS

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 ²	N/A
Spot Size	N/A	2 in x 2 in
Max. Number of Spots	N/A	24 per curtain
Max. Number of Curtains	N/A	2
Output	Electro-mechanical-relay (potential and polarity free)	Solid-state-relay (potential and polarity free)
Max. Contact Voltage	30 VDC	42 VDC
Max. Contact Current	1 A	400 mA
Hold Time	Microwave: 0.5 s – 9 s (user adjustable)	Infrared: 0.3 s – 1 s
Test Input	N/A	Sensitivity: Low: < 1 V; High: > 10 V (max. 30 V) Response time on test request: typical: < 5 ms
Supply Voltage	12 – 24 VAC ±10%; 12 – 30 VDC ±10% (to be operated from SELV compatible power supplies only)	

TECHNICAL SPECIFICATIONS CONT'D

Power Consumption	< 2.5 W
Temperature Range	–13 °F – 131 °F, 0 – 95% relative humidity, non condensing
Mounting Height	78 in – 138 in (6.5 ft – 11.5 ft)
Degree of Protection	IP54
Applicable Directives	R&TTE 1999 / 5 / EC; EMC 2004 / 108 / EC; MD 2006 / 42 / EC; RoHS 2002 / 95 / EC
Dimensions	10.6 in (W) x 2.27 in (H) x 2.25 in (D)
Cable Length	360 in (30 ft)

See page 42 for Product Series



IXIO-DT1 INDUSTRIAL

Motion and presence sensor for interior industrial doors



PRODUCT SERIES

P/N	Description
10IXIODT1INDUS	Dual technology industrial sensor utilizing microwave motion and active infrared presence sensor
10CDA	IXIO curved door accessory
10ICA	IXIO ceiling accessory
10IMB	IXIO bracket accessory
10IRA	IXIO rain accessory
10IXIOSPACER	Black, plastic spacer
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in – 12 in
10REMOTE	Universal Remote Control

PRODUCT SERIES CONT'D

P/N	Description
20.5349	120 in (10 ft) wire harness
20.5359	360 in (30 ft) wire harness
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

IXIO-DT1V

Motion and presence sensor with camera for automatic sliding doors



FEATURES & BENEFITS

- Provides an SDTV camera that shoots 30 frames of footage per second
- 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
- Two 24-spot, high-density, infrared safety curtains providing precise presence detection
- Fully monitored internally, capable of external monitoring

MOTION + PRESENCE
SENSORS

TECHNICAL SPECIFICATIONS

SENSOR SPECS	See IXIO-DT1 (page 40)
CAMERA	
Supply Voltage	6.6 – 36 VDC; $\pm 10\%$ 6.0 – 28 VAC; $\pm 10\%$
Operating Temperature	–22 °F – 140 °F (RH 95% max)
Video Output	1.0 (Vp-p) / 75 Ω
Image Sensor	CMOS
Horizontal Resolution	480 TVL
NTSC Output	720 (H) x 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

PRODUCT SERIES

P/N	Description
10IXIODT1V	IXIO-DT1 with integrated video
10IXIOSPACER	Black, plastic spacer
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in – 12 in
10REMOTE	Universal Remote Control
10.1279	10IXIODT1V cover only and power supply harness
20.5308C	Camera harness and power supply CAN ONLY BE USED WITH THE 10IXIODT1V
20.5349	120 in (10 ft) wire harness
20.5359	360 in (30 ft) 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

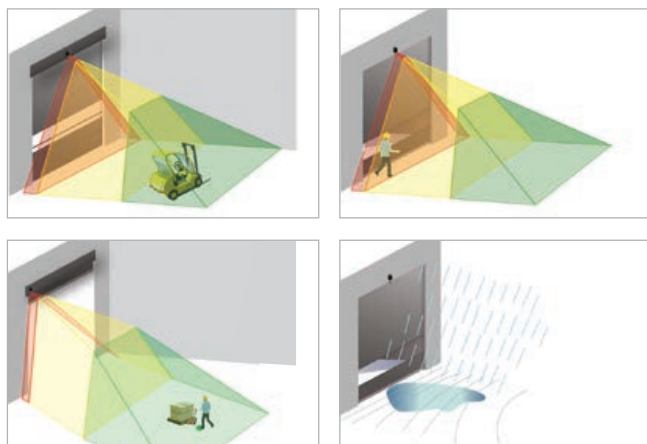


LZR®-WIDESCAN

Motion, presence & safety sensor
for industrial doors

FEATURES & BENEFITS

- Promotes energy savings by reducing false detections / unnecessary door cycling, helping to regulate HVAC
- Virtual pull-cord function can differentiate between pedestrian and vehicle traffic and can provide pulse-on-stop activation
- Ideal for replacing costly / labor-intensive induction loop and pull-cord solutions
- Two visible alignment spots indicating safety field location ensuring setup



TECHNICAL SPECIFICATIONS

Technology	LASER scanner, time-of-flight measurement (7 LASER curtains)
Detection Mode	Motion + Presence
Max. Detection Field	Width: 1.2 x mounting height Depth: 1.2 x mounting height (adjustable depending on user settings)
Thickness of First Curtain	¾ in per 3 ft of mounting height
Typ. Mounting Height	6.5 ft – 19.5 ft
Typ. Min. Object Size	6 in @ 19.5 ft (in proportion to object distance)
Test Body Dimensions	27.5 in (W) x 11.75 in (H) x 7.75 in (D)
Min. Reflectivity Factor	> 2 % (of floor and object) (measured at max. 19.5 ft in safety field)
Emission Characteristics	
IR LASER	Wavelength 905 nm; maximum output pulse power 75 W, Class 1
Visible LASER	Wavelength 650 nm; maximum output CW power 3 mW, Class 3R
Supply Voltage	12 – 24 VAC ±10% 12 – 30 VDC ±10% @ sensor terminal
Power Consumption	< 2.5 W (heating: off) < 15 W (heating: eco or auto)
Response Time	Typ. 100 ms (max. 500 ms)
Input	30 VDC (max. switching voltage) low < 1 V high > 10 V (voltage threshold)
LED-Signal	2 tri-colored LEDs: Output status / Remote Control Response / Error Signals

TECHNICAL SPECIFICATIONS CONT'D

Output	2 solid-state relays (galvanic isolation, polarity free) 30 VDC (max. switching voltage) – 100 mA (max. switching current) - in switching mode: NO / NC - in frequency mode: pulsed signal (f= 100 Hz ±10%) 1 electro-mechanic relay (galvanic isolation, polarity free) 42 VAC (max. switching voltage) – 500 mA (max. switching current)
Dimensions	5.91 in (W) x 7.87 in (H) x 3.94 in (D)
Material / Color	PC/ASA / Black
Rotation Angles on Bracket	45° to the right, 15° to the left (lockable)
Tilt Angles on Bracket	–10° – 5°
Degree of Protection	NEMA 4 / IP65
Temperature Range	–22 °F – 140 °F (–30 °C – 60 °C)
Vibrations	< 2 G
Cable Length	360 in (30 ft)
Norm Conformance	EN 61000-6-2, EN 61000-6-3, EN 60950-1, EN 60825-1, EN ISO 13849-1 PL "d"/ CAT2, EN 62061 SIL 2, EN 61496-1 ESPE Type 2, EN 12978, EN 50581



LZR®-WIDESCAN

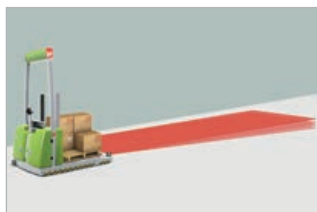
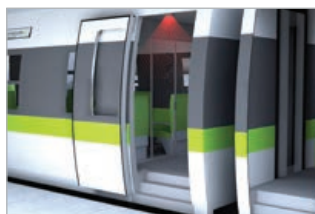
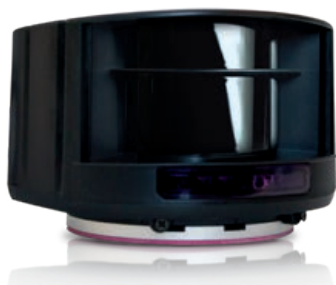
Motion, presence & safety sensor
for industrial doors

PRODUCT SERIES

P/N	Description
10LZRWIDESCAN	Motion, presence & safety sensor
10INDBRACKET	Heavy duty extension bracket - adjustable from 20 in - 36 in
10MINIBRACKET	Short heavy duty extension bracket - adjustable from 6 in - 12 in

PRODUCT SERIES CONT'D

P/N	Description
10PSMDR2024	DIN Rail Power Supply, 100 - 240 VAC / 24 VDC Power Supply
10.1311	Adapter plate kit
20.5402	50 FT cable



LZR®-U920 / U921

Compact raw data
laser scanner

FEATURES & BENEFITS

- Non-contact optical measurement
- Background or substrate has almost no effect on measurements
- Measurement range: up to 65 meters (213 feet)
- Field of view: up to 96°
- Standard RS485 bus communication (bidirectional)
- Low power consumption (< 5 W), adaptable to autonomous systems
- No external illumination of target object necessary as compared to camera systems

TECHNICAL SPECIFICATIONS

Technology	LASER scanner, time-of-flight measurement
Measurement Range	Max. 65 m (213 ft) / 10 m (30 ft) @ 2% remission factor / 30 m (98 ft) @ 10% remission factor
Number of Points / Plane	Max. 274
Number of Planes	
LZR-U920	4
LZR-U921	1
Angular Resolution	Max. 0.3516°
Angular Coverage	Max. 96°
RPM	900 turns / min
Scanning Frequency	
LZR-U920	15 Hz
LZR-U921	60 Hz
Serial Communication	
Type	Asynchronous
Interface	RS 485
Communication mode	Half-duplex (U920,U921)
Data transmission speed	921600 max.
Topology	Point-to-point
Symbol coding	1 start bit, 1 stop bit, no parity bit
File type	8 bits
Remission Factor	> 2%
Emission Characteristics IR LASER	Wavelength 905 nm; maximum output pulse power 75 W (CLASS 1)
Power Supply	Peak current at power-on: 1.8 A (max. 80 ms @ 35 VDC @ sensor side)

TECHNICAL SPECIFICATIONS CONT'D

LED-Signal	1 Blue LED: Power-on Status 1 Orange LED: Error Status 2 Bi-colored LEDs: Function Status
Dimensions	5 in (W) × 2.75 in (H) × 3.66 in (D)
Material	PC / ASA
Color	Black
Degree of Protection	NEMA 4 / IP65
Temperature Range	-22 °F – 40 °F (-30 °C – 60 °C) if powered; 14 °F – 140 °F (-10 °C – 60 °C) if unpowered
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
Expected Lifetime	Designed for a lifetime of min. 20 years
Norm Conformance	2006 / 95 / EC: LVD; 2011 / 65 / EU: RoHS 2; 2004 / 108 / EC: EMC; EN 60529:2001; IEC 60825-1:2007 Laser Class 1&3R; EN 60950-1:2005; EN 61000-6-2:2005 EMC - Industrial level; EN 61000-6-3:2006 EMC - Commercial Level

PRODUCT SERIES

P/N	Description
10LZR0920	Bidirectional four curtain sensor
10LZR0921	Bidirectional one curtain sensor
10PSMDR2024	DIN Rail Power Supply, 100 - 240 VAC / 24 VDC Power Supply
10PSVR5T	24 VAC or 24 VDC

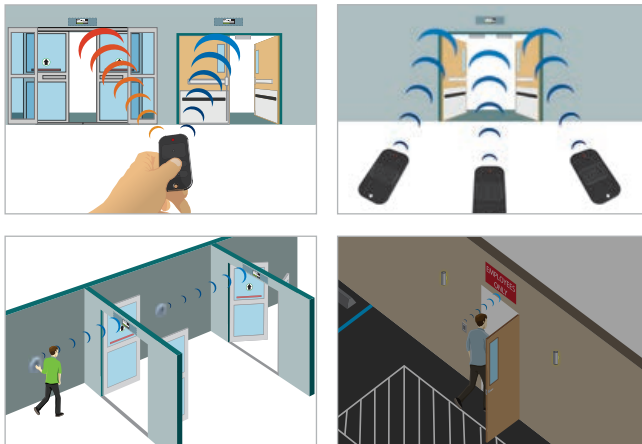


BR2-900

2-relay logic module +
900 MHz wireless technology

FEATURES & BENEFITS

- Logic module with integrated 900 MHz wireless technology eliminates the need for separate logic module and wireless receiver
- Sequenced or simultaneous relay activation for application flexibility
- 2-AMP relays allow the direct release of an electric locking device wirelessly, eliminating the need for a separate logic module or isolation relay
- Extended Hold Mode allows wireless push plates to function like hardwired push plates (if push plate is held, relay does not time out)
- Wireless functionality eliminate the need to run input wires directly to the logic module, saving both time and money



TECHNICAL SPECIFICATIONS

Supply Voltage	12 – 24 VAC / VDC $\pm 10\%$
Current Consumption	45 mA DC 75 mA AC
Frequency	908 – 918 MHz (frequency hopping)
Emitted Radio Power	–25 dBm (TX)
Power Consumption	0.5 – 1.5 W
Programmable Transmitters Per Receiver	75 (unlimited for Universal Transmitter)
Temperature Rating	–22 °F – 158 °F (–30 °C – 70 °C)
Input	
Day / Night (24hr)	DRY contact
AUX	DRY contact
Contact Rating	
Relay 1 DPDT / Relay 2 DPDT	2 A @ 30 VDC or 2 A @ 24 VAC
LEDs	
BLUE	Relay 1 Activation
WHITE	Relay 2 Activation
RED	Radio Frequency / Learn
TRI-COLOR	Signal Strength
Certification	FCC, IC
Dimensions	5.2 in (W) × 1.0 in (H) × 2.2 in (D)
Housing	ABS (white translucent)

PRODUCT SERIES

P/N	Description
10BR2-900	2-relay logic module
10TD900U	Universal transmitter
10TD900PB	Hardwired transmitter
10TD900TR	Retrofit transmitter
10TD900HH1	1-button handheld transmitter
10TD900HH2	2-button handheld transmitter
10TD900HH3	3-button handheld transmitter
10TD900HH4	4-button handheld transmitter

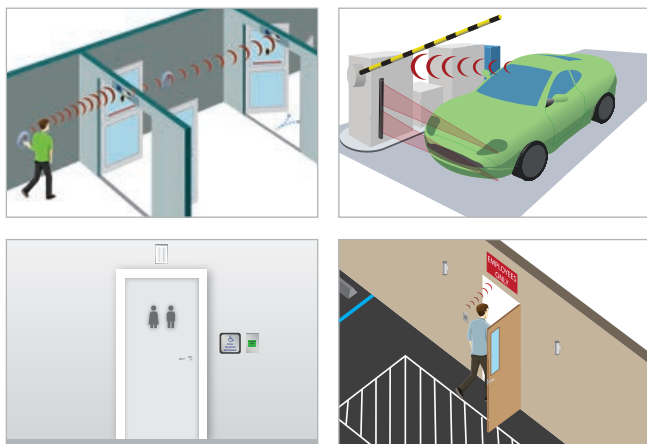


BR3 FAMILY

Programmable 3-relay
logic modules

FEATURES & BENEFITS

- Versatility with 12 programmable logic functions for the Br3; 13 for the Br3-X
- Two-button programming combined with dual seven-segment display provides simple setup
- Two 3-AMP relays and one 1-AMP relay, all with built-in surge suppression, eliminates the need for external components when installing some electric locking devices
- WET output with AC / DC voltage for powering an electric locking device directly from the module

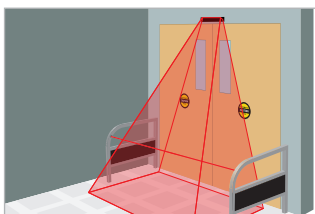


TECHNICAL SPECIFICATIONS

Supply Voltage	12 – 24 VAC / VDC $\pm 10\%$
Power Consumption	30 – 130 mA; DRY Output
Temperature Range	
Br3	–15 °F – 150 °F
Br3-X	–15 °F – 150 °F*
	*If powered by AC voltage and using WET output to convert to DC voltage and current draw of device is greater than 0.9 A, the upper temperature range is 130 °F
Dimensions	5.2 in (W) \times 1 in (H) \times 2.2 in (D)
Relay Hold Time	Up to 60 seconds per relay
Delay Between Relays	Up to 60 seconds per relay with ¼, ½ and ¾ second options
Housing Material	ABS Plastic
Input Specification	
Inputs 1, 2, 3, 4	DRY contact
WET Input	5 – 24 VAC / VDC $\pm 10\%$
Contact Rating	
Relay 1 (DRY)	3 A @ 24 VAC / 30 VDC
Relay 1 (WET)	1 A
Relay 2	3 A @ 24 VAC / 30 VDC
Relay 3	1 A @ 24 VAC / 30 VDC

PRODUCT SERIES

P/N	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
10BR3X	Programmable 3-relay logic module offering 13 functions, including day / night mode, normally locked and normally unlocked restroom modes See page 87-88 for Restroom Kit and page 86 for Emergency Add-On Kit
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 suppressor



LOCK-OUT MODULES

Swing door logic used with overhead presence sensors

FEATURES & BENEFITS

- 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

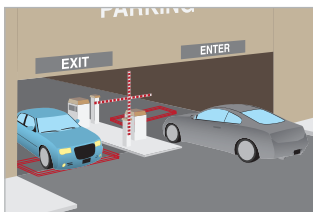
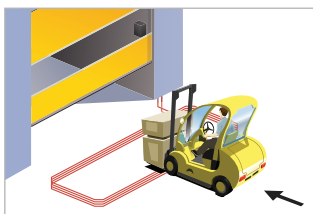
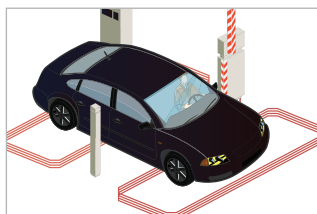
Power Supply	12 – 24 VAC / 15 – 24 VDC 4 MHz (Microprocessor)
Operating Frequency	4 MHz (Microprocessor)
Power Consumption	10 mA at rest, 50 mA max.
Output	2x SPST Relays
Max. Voltage - Relay Contact	60 VDC, 120 VAC
Max. Current - Relay Contacts (both)	2 ADC, 0.5 AAC

PRODUCT SERIES

P/N	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
10LO21S	Universal lock-out relay for record
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
15.0082	Harness for LO21S
20.5083	"Y" wiring harness for dual egress

MATRIX FAMILY

UL Listed Loop Detectors



FEATURES & BENEFITS

- UL Listed
- Available in single or dual loop models
- Two relay outputs
- 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

Tuning	Automatic
Connector	11-pin male (86CP11)
Presence Time	1 min – infinity
Pulse Time Output	100 ms or 500 ms
LED Indicators	Power: Green Loop Status 1: Red Loop Status 2: Red
Frequency Range	20 kHz – 130 kHz
Frequency Steps	Single Loop: 4 Double Loop: 2 (for each loop)
Sensitivity ($\Delta L / L$)	0.005% – 0.5%
Reaction Time	Single Loop: 25 ms Double Loop: 50 ms (each channel)
Setup Time After Configuration	2 s max by channel
Power Supply (Depending on model)	12 – 24 AC / DC $\pm 10\%$ 115 VAC $\pm 10\%$
Power Frequency	48 – 62 Hz
Power Consumption	< 2.5 W
Temperature Range	–22 °F – 158 °F (–30 °C – 70 °C)
Protections	Loop Insulation Transformer Zener Diodes Gas Discharge Clamping
Inductance Range	20 μ H – 1000 μ H

PRODUCT SERIES

Frequency Steps	86CP11 (Standard 11-Pin Round)
Relay Outputs	2 (free potential change-over contact)
Max Contact Current	230 VAC
Max Contact Voltage	5 A (resistive)
Setup Time at Power On	
MATRIXD	8 s max by channel
MATRIXIS	8 s max by channel
MATRIX-3S	1.6 s max by channel
MATRIX-3D	2.2 s max by channel
Norm Conformance	R&TTE: 1999 / 5 / EC; EMC: 89 / 336 / EEC; EMC: 89 / 336 / EE; EMC: 2004 / 108 / EC; FCC: 47 CFR 15 IC: RSS-210 IS-SUE 5; UL Listed equipment for UL 508
Degree of Protection	IP40
Weight	7 oz
Dimensions	1.5 in (W) \times 3 in (H) \times 3 in (D)

See next page for Product Series

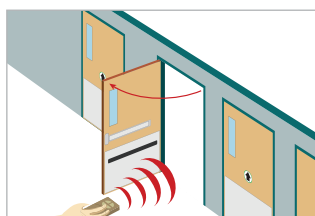
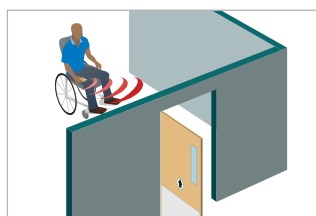


MATRIX FAMILY

UL Listed Loop Detectors

PRODUCT SERIES	
P/N	Description
10MATRIXD110	110 – 120 VAC, dual loop detector
10MATRIXD1224	110 – 120 VAC / VDC, dual loop detector
10MATRIXIIS110	110 – 120 VAC, single or dual loop detector
10MATRIXIIS1224	12 – 24 VAC / VDC, single or dual loop detector
10MATRIX-3-D	12 – 24 VAC / VDC, dual loop detector

PRODUCT SERIES CONT'D	
P/N	Description
10MATRIX-3-S	12 – 24 VAC / VDC, single loop detector
10MATRIXHARN	11-pin matrix harness, 72 in (6 ft) length
10PS12-24D	UL / ULC listed power supply 12 / 24 VDC with backup circuit 1.75 A (battery not included)
70.0262	11-pin socket based DIN rail



300 MHZ FAMILY

300 MHz wireless
transmitters and receiver

FEATURES & BENEFITS

- 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

TECHNICAL SPECIFICATIONS

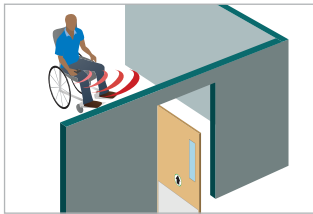
Frequency	300 MHz
Radio Control Type	Analog
Input Voltage	24 VAC / VDC
Operating Temperature	14 °F – 131 °F
Setup	10 dip switch access code programming
Power	Hardwired: 1 9-volt or 12-volt battery Wireless: 1 9-volt or 12-volt battery
Norm Conformance	CE, FCC, IC

Dimensions

Without Flange	3.2 in (W) × 1.4 in (H) × 4.9 in (D)
With Flange	3.2 in (W) × 1.4 in (H) × 5.4 in (D)

PRODUCT SERIES

P/N	Description
10R300	300 MHz analog receiver
10T300HH	1-Button handheld transmitter (9-volt battery)
10T300HHDBL	2-Button handheld transmitter (9-volt battery)
10T300HH4	4-Button handheld transmitter (9-volt battery)
10T300KEYCHAIN	1-button keychain transmitter (12-volt battery)
10T300MINIPB	1-button miniature wired transmitter (12-volt battery)
10T300PB	Wired transmitter no case (9-volt battery) with flag connectors
70.0260	12-volt battery, Energizer
70.0261	9-volt battery, Energizer



433 MHZ FAMILY

433 MHz wireless transmitters and receivers

FEATURES & BENEFITS

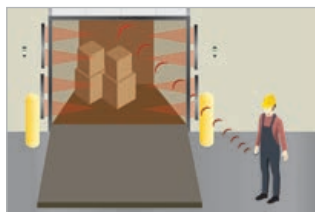
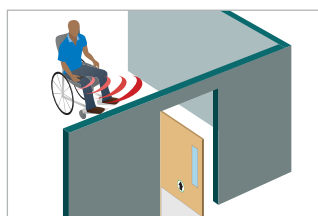
- Delay or no delay programming options (i.e. vestibule sequencing applications)
- Up to 100 transmitters can be programmed into a single receiver
- Can remove transmitter codes individually or all at once
- Ideal for wireless activation and/or sequencing of automatic doors
- Universally compatible with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

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 Handheld: 1 3-volt battery
Input Voltage	12 – 24 VAC / VDC (receiver)
Contact Rating	1.0 A @ 30 VDC
	0.5 A @ 125 VAC
	0.3 A @ 60 VDC
Operating Temperature	14 °F – 131 °F (-10 °C – 55 °C)
Capacity	100 transmitters
LEDs	
Receiver / Transmitter Learn	RED
Relay Activity	BLUE
Dimensions	
Receiver	2.125 in (W) × 1 in (H) × 2.75 in (D)
Transmitter	1.375 in (W) × 0.6 in (H) × 2.75 in (D)
Norm Conformance	CE, FCC, IC

PRODUCT SERIES

P/N	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 with flag connector
10TD433PB9V	1-Button, 9-volt wired transmitter with flag connector
30.5124	3-volt lithium coin battery
70.0261	9-volt battery, Energizer



900 MHZ FAMILY

900 MHz wireless transmitters and receiver

FEATURES & BENEFITS

- A combination of the industry's most compact 900 MHz transmitters and receiver for optimal installation convenience
- Multi-color LEDs on receiver provides installer with visual notification of signal strength and activation status
- Frequency hopping allows consistent transmission in areas with other 900 MHz devices
- A compact battery-powered, hardwired transmitter is ideal for push plate applications
- 1, 2, 3 and 4 button hand-held transmitters are used

TECHNICAL SPECIFICATIONS

Frequency 908 – 918 MHz (frequency hopping)

Emitted Radio Power –25 dBm (TX)

Power Consumption

RD900 40 mA
TD900HHx 30 mA
TD900PB 30 mA
TD900TR 22 mA
TD900INDHHx 13 mA

Supply Voltage 12 – 24 VAC / VDC

Contact Rating 1.0 A @ 30 VDC
0.5 A @ 125 VAC
0.3 A @ 60 VDC

Temperature Range 14 °F – 131 °F (–10 °C – 55 °C)

Programmable Units Per Receiver 75

LEDs

Red Receiver learn
Blue Relay activation
Tri-color Signal strength

Dimensions

RD900 2.5 in (W) × 0.75 in (H) × 2.0 in (D)
TD900HHx 2.75 in (W) × 0.56 in (H) × 1.38 in (D)
TD900PB 1.75 in (W) × 0.3 in (H) × 1.0 in (D)
TD900TR 1.72 in (W) × 0.32 in (H) × 1.06 in (D)
TD900INDHHx 1.5 in (W) × 0.5 in (H) × 3.0 in (D)

TECHNICAL SPECIFICATIONS CONT'D

Certification FCC, IC

Norm

Conformance

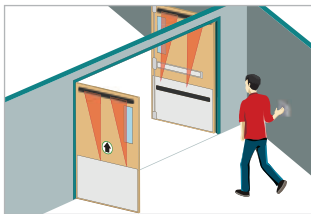
TD900INDHHx NEMA 4 / IP65

PRODUCT SERIES

P/N	Description
10RD900	900 MHz receiver module
10TD900HH1	1-Button handheld transmitter (3-volt battery)
10TD900HH2	2-Button handheld transmitter (3-volt battery)
10TD900HH3	3-Button handheld transmitter (3-volt battery)
10TD900HH4	4-Button handheld transmitter (3-volt battery)
10TD900INDHH1	1-Button handheld transmitter, NEMA 4 rated
10TD900INDHH2	2-Button handheld transmitter, NEMA 4 rated
10TD900INDHH3	3-Button handheld transmitter, NEMA 4 rated
10TD900INDHH4	4-Button handheld transmitter, NEMA 4 rated
10TD900PB	Hardwired transmitter (two AAA batteries) with flag connector
10TD900TR	Retrofit transmitter
10BELTCLIP	Belt clip accessory for 10TD900INDHH series
30.5124	3-volt lithium coin battery

4.5 INCH ROUND & SQUARE PUSH PLATES

Stainless steel
actuators



FEATURES & BENEFITS

- 1/16 inch thick stainless steel for maximum durability
- Concealed fasteners to minimize vandalism
- Complete kits available including plates, mounting boxes and optional wireless devices for ease of ordering
- Various text, graphic and logo options available
- Compatible with both surface and flush mount boxes

TECHNICAL SPECIFICATIONS

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

PRODUCT SERIES

P/N	Description
10PBR45	4.5 inch round - "Push to Open" text only
10PBR451	4.5 inch round - "Push to Open" text & handicap logo
10PBR4510	4.5 inch round - plain face
10PBR45LL	4.5 inch round - handicap logo only
10PBS2GBLK	4.5 inch square - low profile "Push to Open" text only
10PBS45	4.5 inch square - "Push to Open" text only
10PBS451	4.5 inch square - "Push to Open" text & handicap logo
10PBS4510	4.5 inch square - plain face
10PBS45LL	4.5 inch square - handicap logo only
10PBS45POD	4.5 inch square - "Press to Operate Door" text only
10PBS45B	4.5 inch square - "Push to Open" text only, white text on blue plate
10PBS451B	4.5 inch square - "Push to Open" text & handicap logo. White text on blue plate
10PBS451AL	4.5 inch square - "Push to Open" text & alternate handicap logo

See page 92 for Bollard information

See page 93 for Boxes and Bracket information

See pages 52-54 for Transmitters and Receivers information

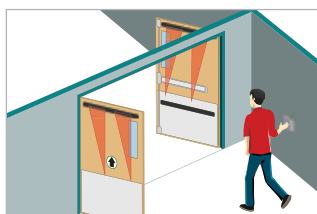
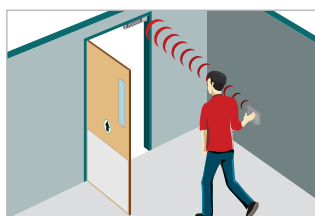
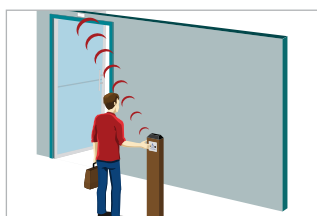
4.75 INCH SQUARE PUSH PLATES

Stainless steel
actuators



FEATURES & BENEFITS

- 1/16 inch thick stainless steel for maximum durability
- Concealed fasteners to minimize vandalism
- Complete kits available including plates, mounting boxes and optional wireless devices for ease of ordering
- Various text, graphic and logo options available
- Compatible with both surface and flush mount boxes



TECHNICAL SPECIFICATIONS

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

PRODUCT SERIES

P/N	Description
10PBS	4.75 inch square - "Push to Open" text only
10PBS1	4.75 inch square - "Push to Open" text & handicap logo
10PBSLL	4.75 inch square - handicap logo only
10PBS10	4.75 inch square - plain face
10PBSE	4.75 inch square - "Push to Exit" text only
10PBS1B	4.75 inch square - "Push to Open" text & handicap logo. White text on blue plate
10PBS1SB	4.75 inch square - "Push to Open" text & handicap logo. Blue text on satin brass plate
10PBS1BB	4.75 inch square - "Push to Open" text & handicap logo. Blue text on bright brass plate
10PBS1AL	4.75 inch square - "Push to Open" text & alternate handicap logo
20.0044	Screw kit for all 4.75 inch square plates include: (2) #6 and (2) # 8 screws (2) flag connectors (1) hex key

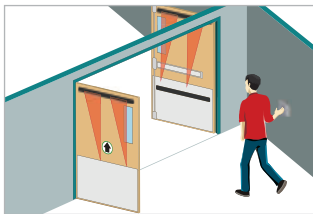
See page 92 for Bollard information

See page 93-94 for Boxes and Bracket information

See pages 52-54 for Transmitters and Receivers information

6 INCH ROUND & SQUARE PUSH PLATES

Stainless steel
actuators



FEATURES & BENEFITS

- 1/16 inch thick stainless steel for maximum durability
- Concealed fasteners to minimize vandalism
- Complete kits available including plates, mounting boxes and optional wireless devices for ease of ordering
- Various text, graphic and logo options available
- Compatible with both surface and flush mount boxes

TECHNICAL SPECIFICATIONS

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

PRODUCT SERIES

P/N	Description
10PBR	6 inch round - "Push to Open" text only
10PBR1	6 inch round - "Push to Open" text & handicap logo
10PBRLL	6 inch round - handicap logo only
10PBR10	6 inch round - plain face
10PBR1AL	6 inch round - "Push to Open" text & alternate handicap logo
10PBS6	6 inch square - "Push to Open" text only
10PBS61	6 inch square - "Push to Open" text & handicap logo
10PBS6LL	6 inch square - handicap logo only
10PBS610	6 inch square - plain face
20.0044	Screw kit for all 6 inch round plates include: (2) #6 and (2) # 8 screws (2) flag connectors (1) hex key

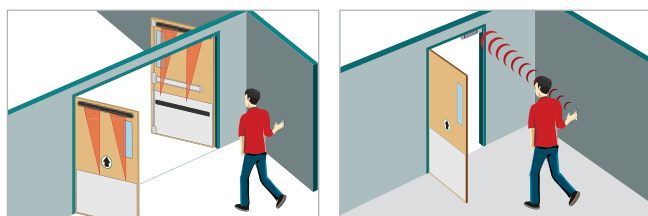
See page 92 for Bollard information

See page 93 for Boxes and Bracket information

See pages 52-54 for Transmitters and Receivers information

JAMB PUSH PLATES

Stainless steel
actuators



FEATURES & BENEFITS

- 1/16 inch thick stainless steel for maximum durability
- Concealed fasteners to minimize vandalism
- Complete kits available including plates, mounting boxes and optional wireless devices for ease of ordering
- Various text, graphic and logo options available
- Compatible with both surface and flush mount boxes
- Compatible with the following transmitters only: 10TD433PB3V, 10TD300MINIPB or 10TD900PB

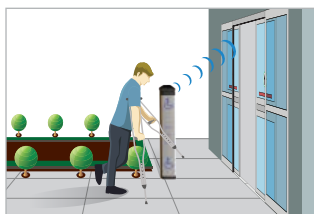
TECHNICAL SPECIFICATIONS

Faceplate Material	16 gauge, 304 2B Stainless Steel
Backplate Material	1/8 inch thick, Aluminum
Mounting Screws	Stainless Steel, 6-32 x 1 in & 8-32 x 1 in Allen Head Size: 5/64
Cherry Switch	Single-pole, 15 A, COM / NO / NC, UL Recognized
Compatible Wireless Frequencies	900, 433 or 300 MHz
Faceplate Dimensions	1.5 in (W) x 4.75 in (H) x 0.62 in (D)

PRODUCT SERIES

P/N	Description
10PBJ	"Push to Open" text only
10PBJ1	"Push to Open" text & handicap logo
10PBJL	Handicap logo only
10PBJ10	Plain face
10PBJE	"Push to Exit" text only
10PBJREV	"Push to Slow" text with braille White text on blue plate
10PBJ1B	"Push to Open" text & handicap logo White text on blue plate
10PBJLB	Handicap logo only White text on blue plate
10PBJM1	"Push to Open" text & handicap logo Microswitch
10PBJML	Handicap logo only - Microswitch
10PBJMLL	Handicap logo only Microswitch (Hardwired only)
10PBJMS1	"Push to Open" text & handicap logo Microswitch (hardwired only)

See page 93 for Boxes and Bracket information
See pages 52-54 for Transmitters and Receivers information



LPR36

Full-length, 36 inch
high-low actuator

PUSH
PLATES

FEATURES & BENEFITS

- Full length plate for maximum accessibility
- Low profile (1 inch deep) stainless steel design helps prevent accidental damage in high traffic areas
- Exceeds California Building Code 2013, Page 559, 11B-404.2.9, Exception 2c
- Easily installs on either walls or bollards for maximum mounting flexibility
- Available with convenient, built-in wireless transmitter (300, 433 or 900 MHz frequencies) for wireless activation applications
- Activation area of 36 × 6 inches (216 square inches)

TECHNICAL SPECIFICATIONS

Contact Configuration	SPST N.O.
Switching Voltage	0.1 – 50 VDC
Switching Capacity	1 Watt
Switching Current	0.005 – 100 mA DC
Operation Temperature	–32 °F – 212 °F (–35 °C – 100 °C)
Base Material	6063 Aluminum
Face Plate	304 Stainless Steel
Switch Actuator Material	Nylon 66
End Cap Material	UL94 ABS
Hardware	Stainless Steel
Compliance	California Building Code 2013, Page 559, 11B-404.2.9, Exception 2c

PRODUCT SERIES

P/N	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
10R300	300 MHz analog receiver
10RD433	433 MHz receiver
10RD433EH	Extended hold time receiver
10RD900	900 MHz receiver
10WCK433*	Converts LPR36 from hardwired to wireless for 433 frequency
10WCK900*	Converts LPR36 from hardwired to wireless for 900 frequency

*Wireless conversion kit for transmitter replacement
or conversion from hardwired to wireless

See page 92 for Bollard information
See pages 52-54 for Transmitters and Receivers information

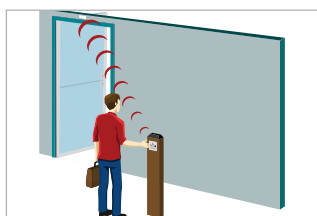


PANTHER PUSH PLATES

Push plates with integrated
wireless technology

FEATURES & BENEFITS

- 1/16 inch thick stainless steel for maximum durability
- Concealed fasteners minimize vandalism
- NEMA 4 rated housing creates a weather resistant barrier that enables the push plates to be mounted in outdoor environments or wash-down applications



TECHNICAL SPECIFICATIONS

Dimensions

6 Inch Round	6.33 in (ø) × 1.45 in (D)
4.75 Inch Round	5.12 in (ø) × 1.42 in (D)
4.75 Inch Square	5.12 in (W) × 5.12 in (H) × 1.42 in (D)

Weight

6 Inch Round	1.2 lbs
4.75 Inch Round	1.14 lbs
4.75 Inch Square	1.04 lbs

Mounting Options Surface or bollard mount

Transmitter Frequency 433 MHz or 900 MHz

Power

433 MHz	(1) 12 V Type A23
900 MHz	(2) CR2032

Material

Faceplate	16 Gauge, 304 2B Stainless Steel
Housing	ABS Plastic

Degree of Protection NEMA 4 / IP65
FCC IC Part 15 Approved

PRODUCT SERIES

10EMR475	4.75 inch round - 433 MHz "Push To Open" text only
10EMR475-900	4.75 inch round - 900 MHz "Push To Open" text only

PRODUCT SERIES CONT'D

P/N	Description
10EMR475L	4.75 inch round - 433 MHz Handicap logo only
10EMR475L-900	4.75 inch round - 900 MHz Handicap logo only
10EMR4751	4.75 inch round - 433 MHz Text & Logo
10EMR4751-900	4.75 inch round - 900 MHz Text & Logo
10EMR6	6 inch round - 433 MHz "Push To Open" text only
10EMR6-900	6 inch round - 900 MHz "Push To Open" text only
10EMR6L	6 inch round - 433 MHz Handicap logo only
10EMR6L-900	6 inch round - 900 MHz Handicap logo only
10EMR61	6 inch round - 433 MHz Text & Logo
10EMR61-900	6 inch round - 900 MHz Text & Logo
10EMS475	4.75 inch square - 433 MHz "Push To Open" text only
10EMS475-900	4.75 inch square - 900 MHz "Push To Open" text only
10EMS475L	4.75 inch square - 433 MHz Handicap logo only
10EMS475L-900	4.75 inch square - 900 MHz Handicap logo only
10EMS4751	4.75 inch square - 433 MHz Text & Logo
10EMS4751-900	4.75 inch square - 900 MHz Text & Logo
15.5039	Spare PCB for Panther plate - 433 series
15.5142	Spare PCB for Panther plate - 900 series

See page 92 for Bollard information

See pages 52-54 for Transmitters and Receivers information



SINGLE GANG PUSH PLATES

Stainless steel
actuators

PUSH
PLATES

FEATURES & BENEFITS

- 1/16 inch thick stainless steel for maximum durability
- Concealed fasteners to minimize vandalism
- Complete kits available including plates, mounting boxes and optional wireless devices for ease of ordering
- Various text, graphic and logo options available
- Compatible with both surface and flush mount boxes

TECHNICAL SPECIFICATIONS

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

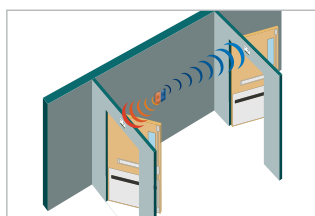
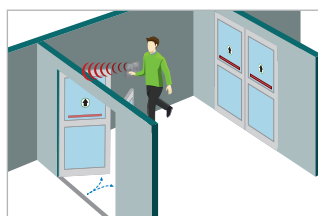
PRODUCT SERIES

P/N	Description
10PBO241	"Push to Open" text & handicap logo
10PBO24L	Handicap logo only
10PBO2410	Plain face
10PBO24E	"Push to Exit" text only

See page 93 for Boxes and Bracket information
See pages 52-54 for Transmitters and Receivers information

VESTIBULE PUSH PLATES

Stainless steel
actuator



FEATURES & BENEFITS

- 1/16 inch thick stainless steel for maximum durability
- Concealed fasteners to minimize vandalism
- Complete kits available including plates, mounting boxes and optional wireless devices for ease of ordering
- Compatible with both surface and flush mount boxes

TECHNICAL SPECIFICATIONS

Faceplate Material	16 gauge, 304 2B Stainless Steel
Backplate Material	1/8 inch thick, Aluminum
Mounting Screws	Stainless Steel, 6-32 x 1 in & 8-32 x 1 in Allen Head Size: 5/64
Cherry Switch	Single-pole, 15 A, COM / NO / NC, UL Recognized
Compatible Wireless Frequencies	900, 433 or 300 MHz
Faceplate Dimensions	4.75 in (W) x 4.75 in (H) x 0.62 in (D)

PRODUCT SERIES

P/N	Description
	Stainless steel dual Push Plate for vestibule includes:
10PBDGP1	One (1) adapter ring, two (2) separate Push Plates with "Push to Open" text and handicap logo <i>Requires two (2) 10TD433PB3V or two (2) 10TD900PB transmitters</i>

See page 92 for Bollard information

See page 93 for Boxes and Bracket information

See pages 52-54 for Transmitters and Receivers information



MS08

Adjustable range
microwave touchless actuator

FEATURES & BENEFITS

- Detection zone from 4 – 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

TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Radiated Frequency	24.125 GHz
Radiated Power Density	5 mW / cm ²
Detection Mode	Motion (bidirectional)
Detection Range	4 in – 24 in (adjustable)
Output	Relay with switch-over contact (voltage free)
Max. Contact Current	1 A (resistive)
Max. Contact Voltage	60 VDC / 125 VAC
Adjustable Hold Time	30 W (DC) / 60 VA (AC)
Output Hold Time	0.5 s (in pulsed mode)
Mains Frequency	50 – 60 Hz
Supply Voltage	12 – 24 VAC ±10% 12 – 24 VDC 30% / –10%
Power Consumption	< 1.5 W
Material	ASA, Nylon, PC
Cable Type	Standard cable up to 16 AWG - 1.5 mm ²
Temperature Range	–4 °F – 131 °F (–20 °C – 5 °C)
Norm Conformance	EMC: 2004 / 108 / EC; FCC: G9B-MS08; IC: 4680A-MS08

MOUNTING OPTIONS

10BOX24SGSM	Standard single gang surface mount box (2.75 × 4.5 in)
10BOXDGSM	Standard double gang surface mount box (4.5 × 4.5 in)

PRODUCT SERIES

P/N	Description
10MS08U	Includes single (70.5226) and double gang (70.5227) black faceplates
10MS08UCUSTOM	10MS08U plus choice of any one of the additional faceplates
10RD900	900 MHz receiver module
10TD900TR	900 MHz retrofit transmitter
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

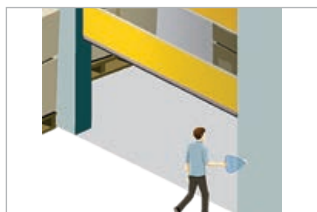


MS09

NEMA 4 rated,
microwave touchless actuator

FEATURES & BENEFITS

- NEMA 4 / IP65 enclosure capable of use in industrial and extreme environments, as well as washdown facilities
- User defined detection zone from 4 – 24 inches (pulse or toggle)
- Can be used in a variety of outdoor and off-door applications
- External mounting boxes are not required

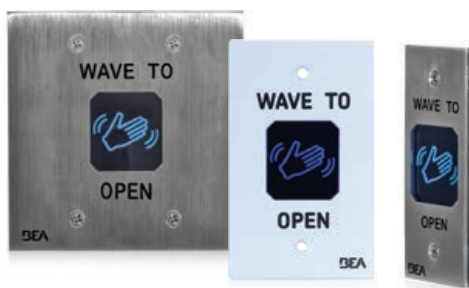


TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Radiated Frequency	24.125 GHz
Radiated Power Density	5 mW / cm ²
Detection Mode	Motion (bidirectional)
Detection Range	4 in – 24 in (adjustable)
Output	Relay with switch-over contact (free of potential)
Max. Contact Current	60 VDC / 125 VAC
Max. Contact Voltage	1 A (resistive)
Max. Switching Power	30 W (DC) / 60 VA (AC)
Output Hold Time	0.5 s (in pulse mode)
Supply Voltage	12 – 24 VAC ±10% 12 – 24 VDC 30% / –10%
Power Consumption	< 1.2 W
Material / Colors	ABS / PC, White
Cable Type	Compatible with standard, 4-conductor low voltage cable (cable not supplied)
Temperature Range	–4 °F – 131 °F (–20 °C – 55 °C)
Degree of Protection	NEMA 4 / IP65
Norm Conformance	EMC: 2004 / 108 / EC FCC: G9B-MS08 / 2ABWS-10TD900PB IC: 4680A-MS08 / 4680A-10TD900PB
Dimensions	3.15 in (W) × 3.23 in (H) × 2.165 in (D)

PRODUCT SERIES

P/N	Description
10MS09TL	Wave to Open text and logo
10MS09L	Hand wave logo only
10RD900	900 MHz receiver module
10TD900TR	900 MHz retrofit transmitter

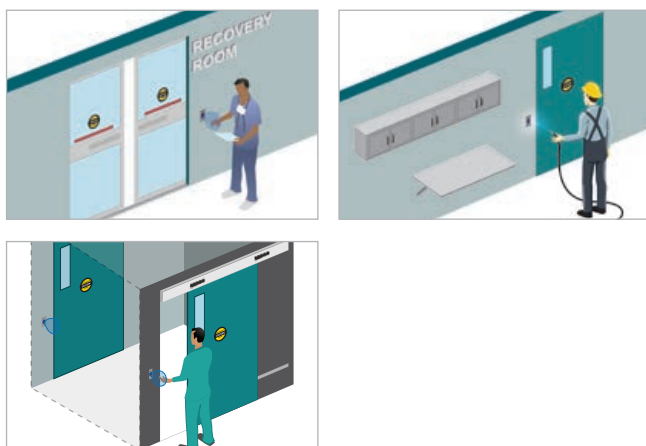


MS11

Adjustable range, stainless steel
microwave touchless actuator

FEATURES & BENEFITS

- 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 – 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 – 30 seconds allowing unique, user-defined device placement
- Compatible with all automatic door control makes and models



TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Detection Mode	Motion (bidirectional), Toggle or Timed Mode
Sensing Zone	2 in – 24 in (adjustable)
Hold Time	1 s – 30 s
Alert Settings	
Audible Alert	Silent Mode or Signal Mode
Visual Alert	Blue (Standby) Green (Activation)
Supply Voltage	12 – 24 VAC / VDC or 5 VDC
Current Consumption	< 2.8 W
Temperature Range	–22 °F – 158 °F
Enclosure Rating	NEMA 4 / IP65
Relay	1-Form C Solid State Relay 1 A 30 VAC / VDC (max)
Dimensions	
Single Gang	2.75 in (W) × 4.5 in (H) × 0.98 in (D)
Double Gang	4.5 in (W) × 4.5 in (H) × 0.98 in (D)
Jamb	1.68 in (W) × 4.5 in (H) × 0.98 in (D)
Wire Harness Length	12 in
Material	Stainless Steel (faceplate) / ABS (center)

PRODUCT SERIES

P/N	Description
10MS11D	Stainless steel double gang
10MS11DW	White powdercoat double gang
10MS11J	Stainless steel jamb style
10MS11JW	White powdercoat jamb style
10MS11S	Stainless steel single gang
10MS11SW	White powdercoat single gang
10RD900	900 MHz receiver module
10TD900TR	900 MHz retrofit transmitter

MOUNTING OPTIONS

P/N	Description
10ABOXSGSMS	Single gang angled mounting box (2.75 × 4.5 in)
10BOX24SGSM	Standard single gang surface mount box (2.75 × 4.5 in)
10BOXDGSM	Standard double gang surface mount box (4.5 × 4.5 in)
10BOXJAMBST	Jamb mount box



MS21H

Short-range
capacitive 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
- Compatible with all automatic door control makes and models



TECHNICAL SPECIFICATIONS

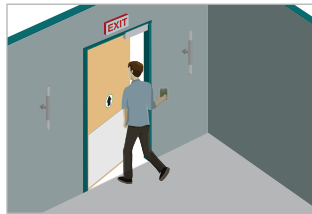
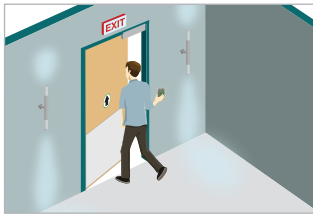
Technology	Capacitance
Detection Mode	Proximity
Supply Voltage	12 – 24 VAC / VDC
Current Consumption	37 mA (typical)
Temperature Range	–20 °F – 120 °F
Degree of Protection	NEMA 4 / IP65
Detection Zone	Maximum detection zone of up to 4 inches Detection zone is dependent on: Size (area) of an object orientation 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 in (5-conductor)
Material	Stainless Steel (faceplate) Clear Polycarbonate (Mounting Ring, Backplate and Enclosure)

PRODUCT SERIES

P/N	Description
10MS21HR1	6 inch round, text and logo
10MS21HR	6 inch round, text only
10MS21HRLL	6 inch round, logo only
10MS21HS1	4.75 inch square, text and logo
10MS21HS	4.75 inch square, text only
10MS21HSLL	4.75 inch square, logo only
10RD900	900 MHz receiver module
10TD900TR	900 MHz retrofit transmitter
20.2007	Isolation module harness

ACCESS CONTROL PUSH BUTTON

Illuminated,
push to exit button



FEATURES & BENEFITS

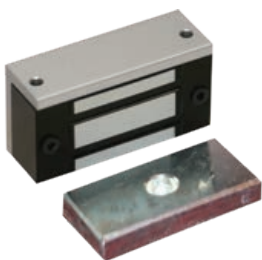
- Easily replaced 12 – 24 VAC / VDC light bulb, reducing whole-product replacement
- Stainless steel faceplate
- Vandal / tamper resistant design
- Tested to perform more than 1 million operations

TECHNICAL SPECIFICATIONS

Technology	Mechanical switch and light socket
Faceplate Dimensions	Single Gang - 2.75 in (W) x 4.5 in (H)
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 @ 125 / 250 VAC
Time Range	Momentary switch, no delay
Bulb Power	
High Volt Bulb	60 mA @ 24 VDC (P/N C656)
Low Volt Bulb	190 mA @ 12 VDC (P/N CM-161)
Relay	SPDT, color coded wiring (Open/Closed)

PRODUCT SERIES

P/N	Description
10ACPBSS1	Push Button - green Illuminated, "Push To Exit", single gang



CABINET LOCK

80 lb
ELECTROMAGNETIC LOCK

FEATURES & BENEFITS

- Designed for access control in low holding force applications

TECHNICAL SPECIFICATIONS

Door Configuration	Single / cabinet, surface mount
Holding Force	80 lb
Input Voltage	12 or 24 VDC
Current Draw	100 mA @ 12 VDC 50 mA @ 24 VDC
Magnet Weight	0.44 lbs
Material	
Lock Housing	Aluminum
Armature Plate	Zinc Plated Steel
Dimensions	2.75 in (W) × 1.22 in (H) × 0.70 in (D)

PRODUCT SERIES

P/N	Description
10MAGLIFELOCK9	Single / cabinet lock, 12 / 24 VDC - 80 lb



DELAYED EGRESS MAGLOCK 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
- UL 294 listed

ACCESS
CONTROL

TECHNICAL SPECIFICATIONS

Housing Dimensions	10.8125 in (W) × 2.875 in (H) × 2.215 in (D)
Armature Dimensions	7.4375 in (W) × 2.375 in (H) × 0.625 in (D)
Voltage / Tolerance	12 – 24 VDC; ±10%
Output	
Max. Contact Current	0.61 A / 12 VDC 0.32 A / 24 VDC
Holding Force	Up to 1200 lbs
Mortise Cylinder	1.125 in cylinder with straight cam required, NOT INCLUDED Requires Part 10CYLINDERKA or 10CYLINDERKD
Operating Temperature	14 °F – 140 °F
Norm Conformance	UL / CUR Listed FWAX Special locking arrangements
Compliance Provisions	IBC, SBC, UBC, BOCA, or NBC of Canada

PRODUCT SERIES

P/N	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 (1) resettable keyswitch (mortise cylinder not included) (1) external sounder (1) alarm signage UL listed maglocks require a UL listed power supply
10MAGDE1	
10CYLINDERKA	1.125 inch mortise cylinder, Schlage C Keyway, keyed alike
10CYLINDERKD	1.125 inch mortise cylinder, Schlage C Keyway, keyed differently
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)
50.0336	Signage for 10MAGDE1 "Push until alarm sounds door can be opened within 15 seconds"

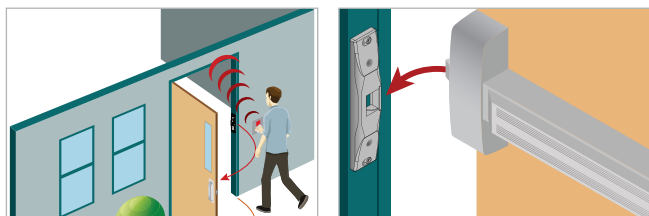


ELECTRIC STRIKES

Rim exit & universal cylindrical strikes
for access control

FEATURES & BENEFITS

- UL / ULC listed for up to 1500 lbs of static strength
- Conventional keeper design promotes even-load distribution in the event of a forced entry
- Reinforced housing reduces twisting on imperfect frames
- Brushed stainless steel (US32D) provides a complementary finish to existing door hardware



TECHNICAL SPECIFICATIONS

10STRIKERE

Mode	Fail Safe		
Supply Voltage	12 VAC / VDC	24 VAC / VDC	11 VAC / 16 VDC
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

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

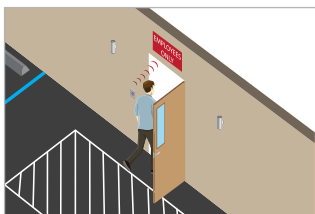
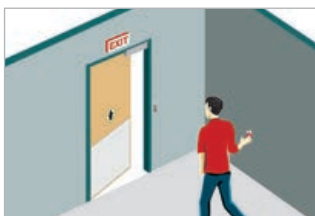
Continuous Duty – Energized 1 minute or more

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

‡ Nominal resistance at 77 °F ±7% tolerance

PRODUCT SERIES

P/N	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



KEYSWITCHES

Access control
switch plate

FEATURES & BENEFITS

- Aluminum wall plate with tamper-resistant screws
- 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 enable or disable the push plate
- Mortise cylinders sold separately

ACCESS
CONTROL

TECHNICAL SPECIFICATIONS

Technology	Mechanical Key Access
Faceplate Dimensions	
Jamb	1.75 in (W) × 4.75 in (H) × 0.25 in (D)
Single Gang	3 in (W) × 4.75 in (H) × 0.25 in (D)
Combo-plate	4.5 in (W) × 4.5 in (H) × 0.25 in (D)
Visual Style	Combo-plate: Handicap symbol and "Push To Open" text
Materials	Aluminum wall plate with tamper-resistant screws
Switch Rating	6A @ 125 VAC or 3A @ 250 VAC
Mortise Cylinder	1 1/8 in cylinder with straight cam required, NOT INCLUDED (Requires Part 10CYLINDERKA or 10CYLINDERKD)

MOUNTING OPTIONS

P/N	Description
10BOXDGSM	Standard double gang surface mount box (4.5 in × 4.5 in) *Compatible with the 10COMBOPLATE only

PRODUCT SERIES

P/N	Description
10COMBOPLATE	Jamb push plate combined with maintained keyswitch on a double gang faceplate <i>Mortise cylinder not included</i>
10COMBOPLATEMOM	Jamb push plate combined with momentary keyswitch on a double gang faceplate <i>Mortise cylinder not included</i>
10JAMBSWITCHMOM	Momentary Keyswitch - Jamb style 1.75 × 4.75 × 0.50 in <i>Mortise cylinder not included</i>
10JAMBSWITCHONF	Maintained Keyswitch - Jamb style 1.75 × 4.75 × 0.50 in <i>Mortise cylinder not included</i>
10KEYSWITCHMOM	Momentary Keyswitch - Single gang 3 × 4.75 × 0.50 in <i>Mortise cylinder not included</i>
10KEYSWITCHONF	Maintained Keyswitch - Single gang 3 × 4.75 × 0.50 in <i>Mortise cylinder not included</i>
10CYLINDERKA	1.125 inch mortise cylinder, Schlage C Keyway, keyed alike
10CYLINDERKD	1.125 inch mortise cylinder, Schlage C Keyway, keyed differently

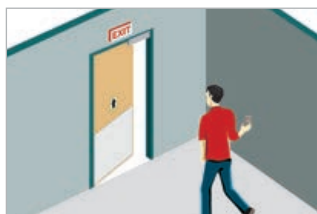


PIEZO BUTTON

Heavy duty,
piezoelectric push button

FEATURES & BENEFITS

- 1 – 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
- Vandal / tamper resistant design

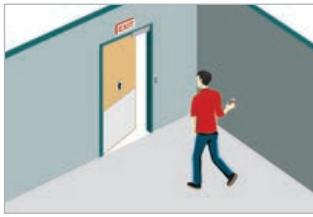


TECHNICAL SPECIFICATIONS

Technology	Piezoelectric
Faceplate Dimensions	Single Gang - 2.75 in (W) × 4.5 in (H)
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 @ 30 VDC, 500 mA @ 125 VAC
Hold Time Range (adjustable)	1 s – 40 s
Voltage Input	12 – 24 VDC (auto-sensing)
Relay	DPDT
Operating Temperature	–40 °F – 160 °F
Norm Conformance	NEMA 4 / IP65

PRODUCT SERIES

P/N	Description
10PIEZO241	Piezoelectric push button, single gang Push To Exit text
10BOX24SGSM	Standard single gang surface mount box (2.75 × 4.5 in)



PNEUMATIC PUSH BUTTONS

Adjustable time delay
security button

FEATURES & BENEFITS

- Adjustable time delay of 2 – 60 seconds
- Listed UL 508 / CSA C22.2 No 14-10 with MET LABS, File #E113051
- Available in single and jamb size plates
- Buttons available in 1 5/8 inch (standard) or 2 inch (large) sizes
- Available in a variety of combinations of color, text and logo upon request
- Tested to perform more than 1 million operations

ACCESS
CONTROL

TECHNICAL SPECIFICATIONS

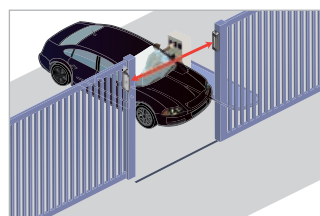
Technology	Pneumatic
Faceplate Dimensions	
Single	2.75 in (W) × 4.5 in (H)
Jamb	1.75 in (W) × 4.5 in (H)
Visual Style	Red Button with Push to Exit Text Blue Button with Handicap Logo Green Button with Push to Exit Text
Materials	Stainless steel faceplate with colored, anodized aluminum button
Switch Rating	5 A @ 125 VAC
Time Range	2 s – 60 s, adjustable
Relative Timing Accuracy	±5% @ 72 °F
Contactor	NO or NC
Operating Temperature	Rated for indoor use only –15 °F – 120 °F
Product Life Test	1 million operations

MOUNTING OPTIONS

P/N	Description
10BOXJAMBST	Jamb surface mount box
10BOX24SGSM	Standard single gang surface mount box (2.75 in × 4.5 in)

PRODUCT SERIES

P/N	Description
10ACPBDA1	2 inch Jamb, Red button, text only
10ACPBDA2	2 inch Single, Red button, text only
10ACPBDA3	1 5/8 inch Jamb, Red button, text only
10ACPBDA4	1 5/8 inch Single, Red button, text only
10ACPBDA5	2 inch Jamb, Blue button, logo only
10ACPBDA6	2 inch Single, Blue button, logo only
10ACPBDA7	1 5/8 inch Jamb, Blue button, logo only
10ACPBDA8	1 5/8 inch Single, Blue button, logo only
10ACPBDA9	2 inch Jamb, Green button, Push to Exit text
10ACPBDA10	2 inch Single, Green button, Push to Exit text
10ACPBDA11	1 5/8 inch Jamb, Green button, Push to Exit text
10ACPBDA12	1 5/8 inch Single, Green button, Push to Exit text



UL LISTED GATELOCKS

Weather resistant,
electromagnetic lock

FEATURES & BENEFITS

- Available in front or side mount with a 1200 lb holding force
- Front mount model comes with a ¾ inch male NPS threaded conduit fitting
- Built-in remote lock status sensor with an output relay
- Built-in surge protection
- Weather-resistant, stainless steel housing makes these locks suitable for outdoor applications

TECHNICAL SPECIFICATIONS

10GL1200R

Door Configuration	Sliding gate, front mount
Holding Force	1200 lb
Input Voltage	12 / 24 VDC (UL Listed power supply recommended)
Current Draw	500 mA @ 12 VDC, 250 mA @ 24 VDC
Relay Switch	250 mA @ 12 VDC, 125 mA @ 24 VDC
Dimensions	8.75 in (W) x 2.50 in (H) x 1.625 in (D)
Material	Stainless steel
Sensor	Lock status sensor with relay output
Cable Specifications	24 AWG 7-conductor cable, 3.5 ft
Norm Conformance	UL and CUL, ANSI 156.10, NEMA 4 / IP65
Conduit Fitting (10GL1200R ONLY)	¾ inch NPS conduit fitting 14 threads per inch

10GL1200SR

Door Configuration	Swinging door / gate, side mount
Holding Force	1200 lb
Input Voltage	12 / 24 VDC (UL Listed power supply recommended)
Current Draw	500 mA @ 12 VDC, 250 mA @ 24 VDC
Relay Switch	250 mA @ 12 VDC, 125 mA @ 24 VDC
Dimensions	8.75 in (W) x 2.50 in (H) x 1.625 in (D)

TECHNICAL SPECIFICATIONS CONT'D

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 156.10, NEMA 4 / IP65

PRODUCT SERIES

P/N	Description
10GL1200R	UL / ULC Listed, 12 / 24 VDC front mounted - 1200 lb
10GL1200SR	UL / ULC Listed, 12 / 24 VDC side mounted - 1200 lb
10LZBRGATE1200	(1) "L" Bracket (1) "Z" Bracket
10PS12-24	UL / ULC listed power supply 12 / 24 VDC
10PS12-24D	UL / ULC Listed, power supply 12 / 24 VDC with backup circuit (battery not included)

UL LISTED MAGLOCKS

Electromagnetic locks with adjustable relock time delay and lock status sensor



FEATURES & BENEFITS

- UL Listed
- Adjustable 0 – 90 second relock time delay
- Lock status sensor with visible LED
- 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 request-to-exit sensor, logic module, actuator, power supply and maglock

ACCESS CONTROL

TECHNICAL SPECIFICATIONS

10MAGLOCK1UL

Door Configuration	Single, surface mount
Holding Force	1200 lb
Input Voltage	12 / 24 VDC (UL Listed power supply required)
Current Draw	0.50 A @ 12 VDC, 0.30 mA @ 24 VDC
Dimensions	10.47 in (W) × 2.87 in (H) × 1.58 in (D)
Material	Anodized Aluminum housing
Relock Time Delay	0 s – 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 lb
Input Voltage	12 / 24 VDC (UL Listed power supply required)
Current Draw	0.50 A @ 12 VDC, 0.25 A @ 24 VDC
Dimensions	9.84 in (W) × 1.65 in (H) × 1.02 in (D)
Material	Anodized Aluminum housing
Relock Time Delay	0 s – 90 s
Sensor	Lock Status Sensor (NO or NC outputs)
Output Relay	Up to 1 A @ 24 VDC

TECHNICAL SPECIFICATIONS CONT'D

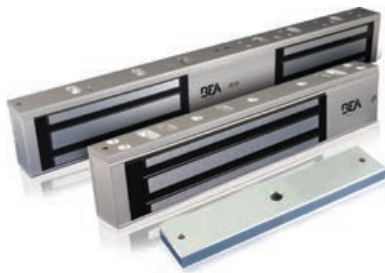
10MAGLOCK5UL

Door Configuration	Double, surface mount
Holding Force	1200 lb
Input Voltage	12 / 24 VDC (UL Listed power supply required)
Current Draw	1 A @ 12 VDC, 0.60 A @ 24 VDC
Dimensions	20.94 in (W) × 2.87 in (H) × 1.58 in (D)
Material	Anodized Aluminum housing
Relock Time Delay	0 s – 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 lb
Input Voltage	12 / 24 VDC (UL Listed power supply required)
Current Draw	1 A @ 12 VDC, 0.50 A @ 24 VDC
Dimensions	19.76 in (W) × 1.65 in (H) × 1.02 in (D)
Material	Anodized Aluminum housing
Relock Time Delay	0 s – 90 s
Sensor	Lock Status Sensor (NO or NC outputs)
Output Relay	Up to 1 A @ 24 VDC

See page 74 for Product Series



UL LISTED MAGLOCKS

Electromagnetic locks with adjustable relock time delay and lock status sensor

PRODUCT SERIES

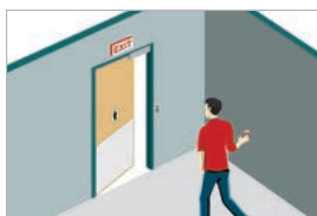
P/N	Description
10MAGLOCK1UL	Single 1200 lb UL / ULC listed, LED status, 0 – 90 second hold open timer (relock), (1) bond status relay 12 / 24 VDC
10MAGLOCK3UL	Single 600 lb UL / ULC listed, LED status, 0 – 90 second hold open timer (relock), (1) bond status relay 12 / 24 VDC

PRODUCT SERIES

P/N	Description
10MAGLOCK5UL	Double 1200 lb UL / ULC listed, LED status, 0 – 90 second hold open timer (relock), (2) bond status relays 12 / 24 VDC
10MAGLOCK6UL	Double 600 lb UL / ULC listed, LED status, 0 – 90 second hold open timer (relock), (2) bond status relays 12 / 24 VDC

UL LISTED MAGLOCKS WITH DS

Electromagnetic locks with adjustable
relock time delay, lock status sensor
and door status sensor



FEATURES & BENEFITS

- UL Listed
- Adjustable 0 – 90 second relock time delay
- Lock Status Sensor with visible LED
- 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

ACCESS
CONTROL

TECHNICAL SPECIFICATIONS

10MAGLOCK1ULDS

Door Configuration	Single, surface mount
Holding Force	1200 lb
Input Voltage	12 / 24 VDC (UL Listed power supply required)
Current Draw	0.50 A @ 12 VDC, 0.30 mA @ 24 VDC
Dimensions	10.47 in (W) × 2.87 in (H) × 1.58 in (D)
Relock Time Delay	0 s – 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 lb
Input Voltage	12 / 24 VDC (UL Listed power supply required)
Current Draw	0.50 A @ 12 VDC, 0.25 A @ 24 VDC
Dimensions	9.84 in (W) × 1.65 in (H) × 1.02 in (D)
Relock Time Delay	0 s – 90 s
Sensor	Lock Status Sensor, Door Status Sensor
Output Relay	Up to 1 A @ 24 VDC

TECHNICAL SPECIFICATIONS CONT'D

10MAGLOCK5ULDS

Door Configuration	Double, surface mount
Holding Force	1200 lb
Input Voltage	12 / 24 VDC (UL Listed power supply required)
Current Draw	1 A @ 12 VDC, 0.60 mA @ 24 VDC
Dimensions	20.94 in (W) × 2.87 in (H) × 1.58 in (D)
Relock Time Delay	0 s – 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 lb
Input Voltage	12 / 24 VDC (UL Listed power supply required)
Current Draw	1 A @ 12 VDC, 0.50 A @ 24 VDC
Dimensions	19.76 in (W) × 1.65 in (H) × 1.02 in (D)
Relock Time Delay	0 s – 90 s
Sensor	Lock Status Sensor, Door Status Sensor
Output Relay	Up to 1 A @ 24 VDC

See page 76 for Product Series

UL LISTED MAGLOCKS WITH DS

Electromagnetic locks with adjustable
relock time delay, lock status sensor
and door status sensor



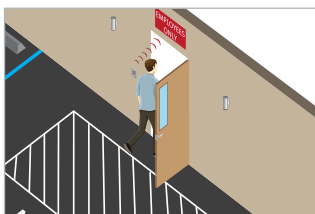
PRODUCT SERIES

P/N	Description
10MAGLOCK1ULDS	Single 1200 lb UL / ULC listed, LED status, 0 – 90 second hold open timer (relock), (1) Door status sensor 12 / 24 VDC
10MAGLOCK3ULDS	Single 600 lb UL / ULC listed, LED status, 0 – 90 second hold open timer (relock), (1) Door status sensor 12 / 24 VDC

PRODUCT SERIES

P/N	Description
10MAGLOCK5ULDS	Double 1200 lb UL / ULC listed, LED status, 0 – 90 second hold open timer (relock), (2) Door status sensors 12 / 24 VDC
10MAGLOCK6ULDS	Double 600 lb UL / ULC listed, LED status, 0 – 90 second hold open timer (relock), (2) Door status sensors 12 / 24 VDC

See page 95 for Maglock Accessories
See page 81 for Access Control packages



UNIVERSAL KEYPAD FAMILY

Access control keypad for
indoor and outdoor use

FEATURES & BENEFITS

- Allows for up to 1010 user codes
- IP66 rating ensures the device will withstand the elements in harsh, industrial and outdoor environments
- Incorporates a tamper alarm feature as a standard option
- Two zone feature provides 2 relays and 2 exit button outputs for 2 zone applications
- Backlit numbers allow for ease of use in dimly-lit areas

ACCESS
CONTROL

TECHNICAL SPECIFICATIONS

Supply Voltage	12 – 24 VAC / VDC (DO NOT EXCEED 30 VDC or 24 VAC)
Standby Current	≤ 30 mA
Working Current	≤ 160 mA
Max User Codes	1010 (zone 1: 1000 users, zone 2: 10 users)
Relock Time	0 s – 99 s
Output	2 relays (free of potential change-over contact)
Max. Contact Current	1 A (resistive)
Max. Contact Voltage	42 VAC / VDC
Adjustable Hold Time	30 W (DC) / 48 VA (AC)
Cable Length	3 ft
Operating Temperature	–22 °F – 158 °F
Operating Humidity	0 – 95% (non-condensing)
IP Rating	IP66, waterproof, dust proof
Dimensions	
10KEYPADU	3.0 in (W) × 4.7 in (H) × 0.9 in (D)
10KEYPADUSL	1.7 in (W) × 5.9 in (H) × 0.95 in (D)
Certifications	CE, RoHS
Backlight	Blue keypad illumination

PRODUCT SERIES

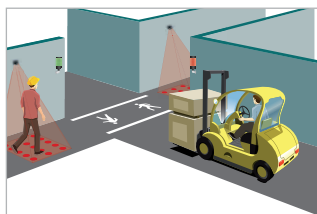
P/N	Description
10KEYPADU	Universal Keypad for indoor and outdoor use
10KEYPADUSL	Universal Slim-line Keypad for indoor and outdoor use

MOUNTING OPTION

P/N	Description
10ABOXSGSMS	Single gang angled mounting box (2.75 × 4.5 in)

LED SIGNAL LIGHTS, COLUMN

UL listed
single color light



FEATURES & BENEFITS

- UL Listed
- IP67 rating for maximum performance in harsh environments
- LED colors available include red, green and yellow
- 18 – 30 VDC supply voltage

TECHNICAL SPECIFICATIONS

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

PRODUCT SERIES

P/N	Description
10LIGHTC-G	Green LED column light for signaling applications
10LIGHTC-Y	Yellow LED column light for signaling applications
10LIGHTC-R	Red LED column light for signaling applications
10LIGHTBRACKET	LED signal light bracket
10PS12-24	UL / ULC listed power supply 12 / 24 VDC - 1.75 A

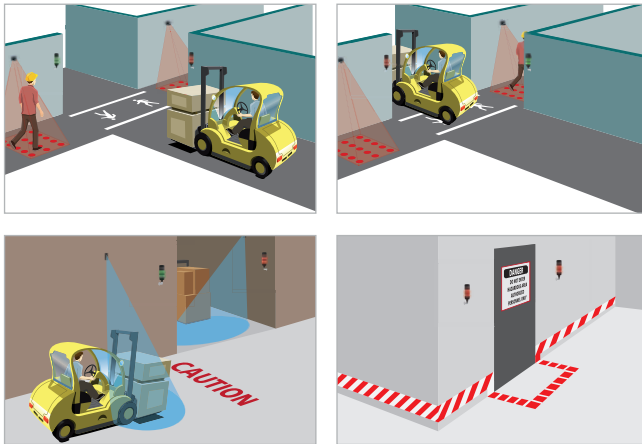


LED SIGNAL LIGHTS, MODULAR

UL listed build-your-own
lights and audible alarm

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



TECHNICAL SPECIFICATIONS

Supply Voltage	12 – 30 VDC
Indicator Response Time	
Off Response	150 μ s @ 12 – 30 VDC
On Response	180 mSec @ 12 VDC; 50 mSec @ 30 VDC
LED Colors	Red, Green, Yellow
Light Flash Rates	1.5 Hz \pm 10% and 3 Hz \pm 10%
Audible Alarm	2.6 KHz \pm 250 Hz oscillation frequency; maximum intensity 92 dB @ 39.6 in
Audible Adjustment	Rotate the alarm cover; Open to closed is 8 dB
Connector	78 in, 8-wire integral cable
Operating Temperature	–40 °F – 122 °F 95% @ 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 (ϕ) \times 1.38 in (H)
Light Segment	2.75 in (ϕ) \times 2.38 in (H)
Audible Segment	2.75 in (ϕ) \times 2.75 in (H)

PRODUCT SERIES

P/N	Description
10LIGHT-TBASE	Modular LED signal base
10LIGHT-TR	Modular LED signal light segment - red
10LIGHT-TG	Modular LED signal light segment - green
10LIGHT-TW	Modular LED signal light segment - white
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

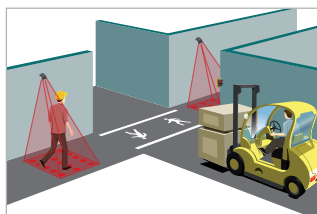


LED SIGNAL LIGHTS, TRAFFIC

Rugged, cost-effective signals
for warning indication systems

FEATURES & BENEFITS

- Single light model rated IP67; double light model rated IP65
- Preamsembled 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



TECHNICAL SPECIFICATIONS

Supply Voltage 15 – 30 VDC

Indicators

Off Response 10 ms max.
On Response 10 ms max.

LED Colors

One Indicator Red **or** Green
Two Indicator Red **and** Green

Connections Field-wired

Operating Temperature –40 °F – 122 °F

Material Polycarbonate

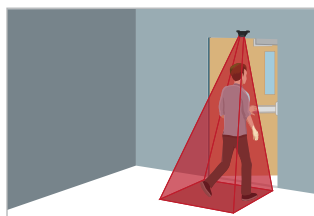
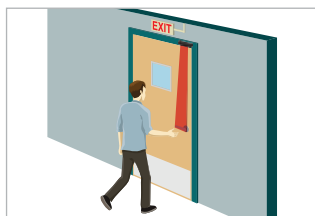
Degree of Protection

Single IP67
Double IP65

Norm Conformance CE

PRODUCT SERIES

P/N	Description
10LIGHTS-G	Traffic LED signal light - Green
10LIGHTS-R	Traffic LED signal light - Red
10LIGHTD-RG	Traffic LED signal light - Red & Green
10PS12-24	UL / ULC listed power supply 12 / 24 VDC



ACCESS CONTROL PACKAGES

Single door
application 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
- Illuminated BEA Access Control Push Button included

PRODUCT SERIES

P/N	Description
10ACP6	Single Door Package 3 utilizes our R2E-100 with focused active infrared presence detection pattern for secure Request-to-Exit and a 600 lb Maglock
	(1) 10PS12-24 - Power Supply - UL, Filtered & Regulated
	(1) 10MAGLOCK3UL - 600 lb UL Listed Maglock - pg 73-74
	(1) 10R2E100 - Request-to-Exit sensor - pg 34
	(1) 10ACPBSS1 - Push-to-Exit button - pg 65
10ACP6F	(1) 10BR3 - Programmable 3 relay logic module - pg 46
	Single Door Package 4 utilizes our Fly with adjustable passive infrared presence detection pattern for secure Request-to-Exit and a 600 lb Maglock
	(1) 10PS12-24 - Power Supply - UL, Filtered & Regulated
	(1) 10MAGLOCK3UL - 600 lb UL Listed Maglock - pg 73-74
	(1) 10FLYKITB - Request-to-Exit sensor - pg 18
	(1) 10ACPBSS1 - Push-to-Exit button - pg 65
	(1) 10BR3 - Programmable 3 relay logic module - pg 46

PRODUCT SERIES CONT'D

P/N	Description
10ACP12	Single Door Package 1 utilizes our R2E-100 with focused active infrared presence detection pattern for secure Request-to-Exit and a 1200 lb Maglock
	(1) 10PS12-24 - Power Supply - UL, Filtered & Regulated
	(1) 10MAGLOCK1UL - 1200 lb UL Listed Maglock - pg 73-74
	(1) 10R2E100 - Request-to-Exit sensor - pg 34
	(1) 10ACPBSS1 - Push-to-Exit button - pg 65
10ACP12F	(1) 10BR3 - Programmable 3 relay logic module - pg 46
	Single Door Package 2 utilizes our Fly with adjustable passive infrared presence detection pattern for secure Request-to-Exit and a 1200 lb Maglock
	(1) 10PS12-24 - Power Supply - UL, Filtered & Regulated
	(1) 10MAGLOCK1UL - 1200 lb UL Listed Maglock - pg 73-74
	(1) 10FLYKITB - Request-to-Exit sensor - pg 18
	(1) 10ACPBSS1 - Push-to-Exit button - pg 65
	(1) 10BR3 - Programmable 3 relay logic module - pg 46



LOW ENERGY REACTIVATION PACKAGES

All-in-one reactivation packages
for low energy doors



FEATURES & BENEFITS

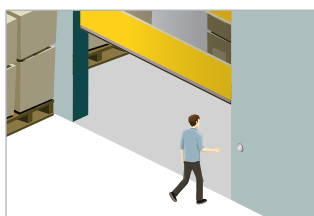
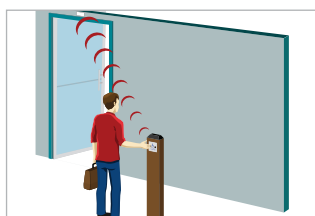
- Convenient solution that includes secondary reactivation and enhanced door logic
- LE21 or Br3 logic disables SuperScan-T until the door is activated by a knowing act device
- Door position switch monitors state of door to enable / disable sensors

PRODUCT SERIES

P/N	Description
LE PACKAGE	(1) 10SSTII (Length) - SuperScan-T II - pg 35, 37 Door mounted safety sensor - 1 Master, 1 Slave 34.5 inches end cap to end cap (for 36 inch doors)
	(1) 10LE21 - pg 46 Low energy module
	(1) 10SWITCH75 Magnetic door position switch 0.50 in gap, NO / NC, SPDT, 0.44 in diameter, flush mount

PRODUCT SERIES CONT'D

P/N	Description
LE PACKAGE 6	(1) 10SSTII (Length) - SuperScan-T II - pg 35, 37 Door mounted safety sensor - 1 Master, 1 Slave 34.5 inches end cap to end cap (for 36 inch doors)
	(1) 10BR3 - pg 46 Programmable 3 relay logic module
	(1) 10SWITCH75 Magnetic door position switch 0.50 in gap, NO / NC, SPDT, 0.44 in diameter, flush mount
LE PACKAGE 6 SECURITY	(1) 10SSTII (Length) - SuperScan-T II - pg 35, 37 Door mounted safety sensor - 1 Master, 1 Slave 34.5 inches end cap to end cap (for 36 inch doors)
	(1) 10BR3 - pg 46 Programmable 3 relay logic module
	(1) 10SWITCH75 Magnetic door position switch 0.50 in gap, NO / NC, SPDT, 0.44 in diameter, flush mount



PUSH PLATE PACKAGES

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

FEATURES & BENEFITS

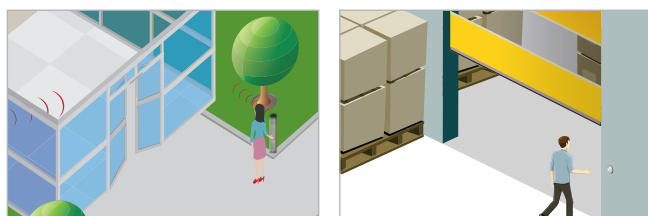
- Flexible solution offering variety of push plate, mounting and wireless options
- Convenient, one-box solutions available

PRODUCT SERIES

P/N	Description
PANTHER 1	(1) Panther plate, any style - pg 58 (1) 10RD433 or 10RD433EH receiver - pg 51 or 10RD900 - pg 52
PANTHER 2	(2) Panther plates, any style - pg 58 (1) 10RD433 or 10RD433EH receiver - pg 51 or 10RD900 - pg 52
PUSH PLATE 1	Choice of (1) Push Plate - any style* - pg 53-55 (1) Matching Surface or Flush mounting box - pg 91 (1) Receiver and (1) Transmitter - any frequency - pg 50-52 <i>*does NOT include LPR36, Jamb, Vestibule, Panther or Magic Switch</i>
PUSH PLATE 2	Choice of (2) Push Plates - any style* - pg 53-55 (2) Matching Surface or Flush mounting boxes - pg 91 (1) Receiver and (2) Transmitters - any frequency - pg 50-52 <i>*does NOT include LPR36, Jamb, Vestibule, Panther or Magic Switch</i>
PUSH PLATE 3	Choice of (1) Jamb Push Plate - any style - pg 56 (1) Matching Surface mounting box - pg 91 (1) Receiver and (1) Mini transmitter - any frequency - pg 50-52
PUSH PLATE 4	Choice of (2) Jamb Push Plates - any style - pg 56 (2) Matching Surface mounting boxes - pg 91 (1) Receiver and (2) Mini transmitter - any frequency - pg 50-52
PUSH PLATE 45 ONE BOX SOLUTION	Choice of (2) 4.5 Inch Square Push Plates - any style - pg 53 (2) 4.5 inch square surface mount boxes - pg 91 (1) 433 receiver and (2) 3-volt or 9-volt 433 MHz transmitters - pg 51

PRODUCT SERIES CONT'D

PUSH PLATE 45 900 ONE BOX SOLUTION	Choice of (2) 4.5 Inch Square Push Plates - any style - pg 53 (2) 4.5 inch square surface mount boxes - pg 91 (2) 10TD900PB transmitter and (1) 10RD900 receiver - pg 52
VESTIBULE 900	(1) 10PBDGP1 - Vestibule Push Plate - pg 60 (1) 4.75 inch square surface mounting box - pg 91 (2) Push Plate options* with matching mounting boxes - pg 53-56 (4) 10TD900PB - 3-volt transmitters and (2) 10RD900 receivers - pg 52 <i>*options include (2) PBS Series, (2) PBS45 Series, (2) PBS6 Series, (2) PBR45 Series, (2) PBR Series or (2) PBJ Series</i>
VESTIBULE PACKAGE	(1) 10PBDGP1 - Vestibule Push Plate - pg 60 (1) 4.75 inch square surface mounting box - pg 91 (2) Push Plate options* with matching mounting boxes - pg 53-56 (4) 3-volt or 9-volt 433 transmitters and (2) 10RD433 or 10RD433EH receivers - pg 51 <i>*options include (2) PBS Series, (2) PBS45 Series, (2) PBS6 Series, (2) PBR45 Series, (2) PBR Series or (2) PBJ Series</i>
VESTIBULE PACKAGE 9V	(1) 10PBDGP1 - Vestibule Push Plate - pg 60 (1) 4.75 inch square surface mounting box - pg 91 (2) Push Plate options* with matching mounting boxes - pg 53-56 (4) 10TD433PB9V - 9-volt transmitters and (2) 10RD433 or 10RD433EH receivers - pg 51 <i>*options include (2) PBS Series, (2) PBS45 Series, (2) PBS6 Series, (2) PBR45 Series, (2) PBR Series or (2) PBJ Series</i>



PUSH PLATE PACKAGES (SECURITY & ACCESS SPECIFIC)

Convenient packages built with
BEA's most popular push plates

FEATURES & BENEFITS

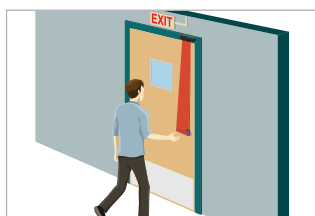
- Choose from these convenient one-box solutions that include our most popular mounting option, push plate artwork and wireless transmitters and receivers
- Packages available for vestibule and other common knowing act applications

PRODUCT SERIES

P/N	Description
PBS1SQLITE ONE BOX SOLUTION!	(2) PBS1 - square push plates - pg 54 (2) 10BOX475SQSM - surface mount boxes
PBS451SQLITE ONE BOX SOLUTION!	(2) PBS451 - square push plates - pg 53 (2) 10BOX45SQSM - surface mount boxes
PUSH PLATE 455-433 ONE BOX SOLUTION!	(2) PBS451 - square push plates - pg 53 (2) 10BOX45SQSM - surface mount boxes (2) 10TD433PB9V - 9-volt 433 MHz transmitter and (1) 10RD433 - 433 MHz receiver - pg 51
PUSH PLATE 455-900 ONE BOX SOLUTION!	(2) PBS451 - square push plates - pg 53 (2) 10BOX45SQSM - surface mount boxes (2) 10TD900PB - 900 MHz transmitter and (1) 10RD900 - 900 MHz receiver - pg 52
PUSH PLATE 475S-433 ONE BOX SOLUTION!	(2) PBS1 - square push plates - pg 54 (2) 10BOX475SQSM - surface mount boxes (2) 10TD433PB9V - 9-volt 433 MHz transmitter - pg 51 and (1) 10RD433 - 433 MHz receiver - pg 51
PUSH PLATE 475S-900 ONE BOX SOLUTION!	(2) PBS1 - square push plates - pg 54 (2) 10BOX475SQSM - surface mount boxes (2) 10TD900PB - 900 MHz transmitter and (1) 10RD900 - 900 MHz receiver - pg 52

PRODUCT SERIES CONT'D

P/N	Description
PUSH PLATE 6R-433 ONE BOX SOLUTION!	(2) PBR1 - round push plates - pg 54 (2) 10BOX6RNDISM - surface mount boxes (2) 10TD433PB9V - 9-volt 433 MHz transmitter and (1) 10RD433 - 433 MHz receiver - pg 51
PUSH PLATE 6R-900 ONE BOX SOLUTION!	(2) PBR1 - round push plates - pg 55 (2) 10BOX6RNDISM - surface mount boxes (2) 10TD900PB - 900 MHz transmitter and (1) 10RD900 - 900 MHz receiver - pg 52
VESTIBULE PACKAGE 433 ONE BOX SOLUTION!	(1) 10PBDGP1 - vestibule plate - pg 60 (1) 10BOX475SQSM - surface mounting box (2) PBS1 with matching mounting boxes - pg 91 (4) 10TD433PB3V - 3-volt transmitters and (2) 10RD433 receivers - pg 51
VESTIBULE PACKAGE 900 ONE BOX SOLUTION!	(1) 10PBDGP1 - vestibule plate - pg 60 (1) 10BOX475SQSM - surface mounting box (2) PBS1 with matching mounting boxes - pg 91 (4) 10TD900PB - 900 MHz transmitters and (2) 10RD900 receivers - pg 52



REQUEST-TO-EXIT PACKAGES

Convenient door packages for request-to-exit applications

FEATURES & BENEFITS

- Select your choice of UL Listed Maglock with DS (available in either 600 or 1200 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

PRODUCT SERIES

P/N	Description
10ACP12DS	(1) 10R2E100 - UL / ULC Listed, active infrared request-to-exit detector specifically designed for access control applications - pg 34
	(1) 10PS12-24 - UL, filtered & regulated power supply
	(1) 10ACPBSS1 - Push-to-Exit button - pg 65
	(1) 10BR3 - Programmable 3-relay logic module - pg 46
	(1) 10MAGLOCK1ULDS - 1200 lb UL listed maglock - pg 75-76
10ACP6DS	(1) 10R2E100 - UL / ULC Listed, active infrared request-to-exit detector specifically designed for access control applications - pg 34
	(1) 10PS12-24 - UL, filtered & regulated power supply
	(1) 10ACPBSS1 - Push-to-Exit button - pg 65
	(1) 10BR3 - Programmable 3-relay logic module - pg 46
	(1) 10MAGLOCK3ULDS - 600 lb UL listed maglock - pg 75-76

PRODUCT SERIES CONT'D

P/N	Description
10ACP12FDS	(1) 10FLYKITB - Request-to-Exit sensor - pg 18
	(1) 10PS12-24 - UL, filtered & regulated power supply
	(1) 10ACPBSS1 - Push-to-Exit button - pg 65
	(1) 10BR3 - Programmable 3-relay logic module - pg 46
	(1) 10MAGLOCK1ULDS - 1200 lb UL listed maglock - pg 75-76
10ACP6FDS	(1) 10FLYKITB - Request-to-Exit sensor - pg 18
	(1) 10PS12-24 - UL, filtered & regulated power supply
	(1) 10ACPBSS1 - Push-to-Exit button - pg 65
	(1) 10BR3 - Programmable 3-relay logic module - pg 46
	(1) 10MAGLOCK3ULDS - 600 lb UL listed maglock - pg 75-76



SINGLE OCCUPANCY RESTROOM EMERGENCY ADD-ON KIT

For single occupancy
restrooms

FEATURES & BENEFITS

- "ASSISTANCE REQUIRED" signal (LED + adjustable sounder) for outside signaling
- "PUSH FOR EMERGENCY ASSISTANCE" button + indicator (LED + selectable sounder) combined unit for ease of installation
- Double-sided French / English emergency signage

TECHNICAL SPECIFICATIONS

10ARS

Lamp Voltage Rating	28 VAC / VDC
Sounder Voltage Rating	16 – 25 VAC / VDC
Sounder Current Rating	15 mA
Lamps	Miniature bayonet type (#313)
Mounting	Fits standard single-gang
Sounder & Lamp Terminal	2 pigtail wires (each)
Material	Stainless Steel & PC
Dimensions	
Single Gang Faceplate	2.75 in (W) × 4.5 in (H)
White Lens (B-31695)	2.25 in (W) × 4 in (H) × 3.125 in (D)

10EBUTTONCOMBO

Voltage	12 – 24 VAC / VDC ±10%
Indication	Audible buzzer (selectable on / off) and visual LED
Text Inserts	10
Button	E-stop button Push On / Pull Off
Material	Stainless Steel & Polycarbonate
Accessory	Rubber weather gasket included
Certifications	FCC
Dimensions	4.5 in (W) × 4.5 in (H)

TECHNICAL SPECIFICATIONS CONT'D

70.5675

Material	Polystyrene
Dimensions	12 in (W) x 5.5 in (H)
Language	Double-sided French / English

PRODUCT SERIES

P/N	Description
	Emergency Add-On Kit includes:
10EMERGENCYKIT	(1) 70.5675, (1) 10EBUTTONCOMBO and (1) 10ARS
10ARS	"Assistance Required" Signal
70.5675	Emergency signage
10EBUTTONCOMBO	"Push for Emergency Assistance" Double Gang Button + Indicator
	Restroom Kit includes:
10RESTROOMKIT	(1) 10PTLBUTTON, (1) 10LEDSOUNDER, (1) 10SWITCH1084 and (1) 10BR3X
1012VAC	12 VAC (20 VA) transformer
1024VAC	24 VAC (40 VA) transformer

SINGLE OCCUPANCY RESTROOM RESTROOM KIT

For single occupancy
normally locked / unlocked restrooms



FEATURES & BENEFITS

- Br3-X 13 function advanced logic module with restroom control functionality
- Occupied Indicator with LED and selectable sounder signals when restroom is in use
- Push to lock button with LED provides a visual confirmation of lock status upon successful locking
- Door position switch ensures proper positioning of the door before resetting the system

TECHNICAL SPECIFICATIONS

BR3-X

SEE Page 46

10LEDSOUNDER

Voltage	12 – 24 VAC / VDC $\pm 10\%$
Indication	Audible buzzer (selectable on / off) and visual LED
Text Inserts	10
Material	Stainless steel
Certifications	FCC

10PTLBUTTON

Switch	SPST
Voltage Max.	125 / 250 VAC
Current Max.	10 A
Power Max.	373 W
Electrical Configuration	SPDT

High Volt Bulb

Input Voltage	15 – 24 VAC / VDC
Current	0.06 A

Low Volt Bulb

Input Voltage	12 – 14 VAC / VDC
Current	0.19 A

Dimensions	2.76 in (W) \times 4.52 in (H) \times 0.75 in (D)
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TECHNICAL SPECIFICATIONS CONT'D

10SWITCH1084

Switching Voltage Max.	30 VAC / VDC
Switching Current Max.	0.25 A
Power Max.	3.0 W
Electrical Configuration	SPDT
Loop Type	Open or Close
Gap Distance Max.	2 in

See page 88 for Product Series



SINGLE OCCUPANCY RESTROOM RESTROOM KIT

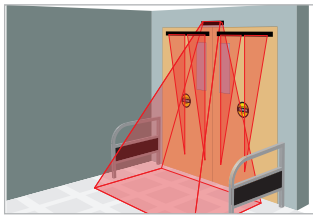
For single occupancy
normally locked / unlocked restrooms

PRODUCT SERIES

P/N	Description
10RESTROOMKIT	Restroom Kit includes: (1) 10PTLBUTTON, (1) 10LEDSOUNDER, (1) 10SWITCH1084 and (1) 10BR3X
10BR3X	3-relay logic module
10LEDSOUNDER	Occupied indicator
10PTLBUTTON	"Push to Lock" button
10EMERGENCYKIT	Emergency Add-On Kit includes: (1) 70.5675, (1) 10EBUTTONCOMBO and (1) 10ARS
10MAGLOCK1UL	1200 lb, single
10MAGLOCK3UL	600 lb, single

PRODUCT SERIES CONT'D

P/N	Description
10STRIKECU	Universal cylindrical electric strike
10STRIKERE	Rim exit electric strike
10SWITCH1084	Door position switch
10PS12-24	UL / ULC listed 12 / 24 VDC Power Supply
1012VAC	12 VAC (20 VA) transformer
1024VAC	24 VAC (40 VA) transformer



SWING DOOR PACKAGES

All-in-one activation and safety packages for swing doors

FEATURES & BENEFITS

- Activation and safety packages for swing doors
- Overhead motion detection with BEA's Eagle
- Overhead presence detection with BEA's Bodyguard-T (extension bracket included)
- Door mounted presence detection with BEA's SuperScan-T
- Lock out module (sold separately) to inhibit header mounted safety sensor (Bodyguard-T) while door is closing

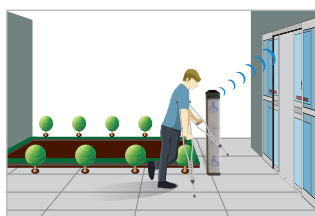
PRODUCT SERIES

P/N	Description
PARALLAX I	(1) 10EAGLE - Overhead activation sensor - pg 11
	(1) 10BODYGUARDT - Header mounted safety sensor - pg 17
	(2) 10SSTII - SuperScan-T II door mounted safety sensor - pg 35, 37
	(1) 10BODYMNT - Spacer for Bodyguard-T
	(1) 10SSQD - Quick Disconnect for SuperScan-T
PARALLAX II	(1) 1024VAC - Power Supply
	(1) 10EAGLE - Overhead activation sensor - pg 11
	(1) 10BODYGUARDT - Header mounted safety sensor - pg 17
	(4) 10SSTII - SuperScan-T II door mounted safety sensor - pg 35, 37
	(1) 10BODYMNT - Spacer for Bodyguard-T
	(2) 10SSQD - Quick Disconnect for SuperScan-T
	(1) 1024VAC - Power Supply

PRODUCT SERIES CONT'D

P/N	Description
PARALLAX DE	(2) 10EAGLE - Overhead activation sensor - pg 11
	(2) 10BODYGUARDT - Header mounted safety sensor - pg 17
	(4) 10SSTII - SuperScan-T II door mounted safety sensor - pg 35, 37
	(2) 10BODYMNT - Spacer for Bodyguard-T
	(2) 10SSQD - Quick Disconnect for SuperScan-T
PARALLAX II DE LITE	(1) 1024VAC - Power Supply
	(2) 10EAGLE - Overhead activation sensor - pg 11
	(2) 10BODYGUARDT - Header mounted safety sensor - pg 17
	(2) 10SSTII - SuperScan-T II door mounted safety sensor - pg 35, 37
	(2) 10BODYMNT - Spacer for Bodyguard-T
	(2) 10SSQD - Quick Disconnect for SuperScan-T
	(1) 1024VAC - Power Supply

NOTE: Lock-Out Modules are sold separately - page 47



BOLLARDS

Push Plate Accessories

COMPATIBLE WITH

- LPR36 - 36 inch full-length actuator (pg 57)
- Panther plates - 4.75 inch square (pg 58)
- Vestibule plates (pg 60)
- 4.5 inch round plates (pg 53)
- 4.5 inch square plates (pg 53)
- 4.75 inch square plates (pg 54)

TECHNICAL SPECIFICATIONS

Dimensions (with cap attached)	6.25 in (W) × 41.5 in (H) × 4.25 in (D)
Material	Powder-Coated (Inside and Out) Carbon Steel UV-Resistant ABS Plastic Stainless Steel
Push Plate Options	4.5 in Square, 4.75 in Square, 4.75 in Square Panther, 4.5 in Round, Dual Vestibule and LPR36 High-low actuator
Weight	35 lbs (16 kg)
Color	Black, Bronze, Silver
Hardware Included	Screws (4) Screws (3) and Finishing Washers (3) Expansion Anchors (4), Lock Washers (4) and Nuts (4)

PRODUCT SERIES

P/N	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
	Bollard hardware pack includes:
50.0071	Compression bolts, undercut screws and washers
50.0072	U shaped bollard mounting bracket
50.0073	Plastic transmitter shelf for bollard
	Bollard hardware pack includes:
50.5320	Larger compression bolts, undercut screws and washers
70.0195	Bollard cap
70.5022	U-shaped Bollard mounting bracket (bracket only), larger screw holes



BOXES AND BRACKETS

Push Plate Accessories

COMPATIBLE WITH

- Jamb plates (pg 56)
- Single gang plates (pg 59)
- Vestibule plates (pg 60)
- 4.5 inch round & square plates (pg 53)
- 4.75 inch square plates (pg 54)
- 6 inch round & square plates (pg 55)

PRODUCT SERIES

P/N	Description
10BOXDGSM	Standard double gang surface mount box (4.5 x 4.5 in)
10BOXDG4H	Plastic mount box (4 x 4 x 0.5 in)
10BOX24SGSM	Standard single gang surface mount box (2.75 x 4.5 in)
10BOX45SQFM	PBS45 series flush mount box (4.5 in square)
10BOX45SQSM	PBS45 series surface mount box (4.5 in square)
10BOX45RNDFM	PBR45 series flush mount box (4.5 in round)
10BOX45RNDSM	PBR45 series surface mount box (4.5 in round)
10BOX475SQFM	PBS series flush mount box (4.75 in square)
10BOX475SQSM	PBS series surface mount box (4.75 in square)
10BOX6SQFM	PBS6 series flush mount box (6 in square)
10BOX6SQSM	PBS6 series surface mount box (6 in square)
10BOX6RNDFM	PBR series flush mount box (6 in round)
10BOX6RNDSM	PBR series surface mount box (6 in round)
10BOXJAMBFM	PBJ / PBJM series flush mount box (1.5 x 4.75 in jamb)

PRODUCT SERIES CONT'D

P/N	Description
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)
10ESCUTCHEON	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 hospital applications (4.5 in round)

MOUNTING ADAPTERS

P/N	Description
10PBRACKET	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)



MOUNTING BOX EBA

Mounting box with
easy battery access

FEATURES & BENEFITS

- Unique two-piece design:
 1. Ensures easy installation
 2. Allows for quick battery replacement compared to standard mounting boxes
 3. Eliminates the need to disassemble the push plate from the box
 4. Improves wireless transmitter accessibility compared to small change-out compartments
- Locking screw secures box to mounting plate
- Designed for BEA's most popular push plate size

TECHNICAL SPECIFICATIONS

Dimensions 5.41 in (W) × 5.41 in (H) × 1.97 in (D)

Material

Box ABS Plastic
Locking Screw Stainless Steel

PRODUCT SERIES

P/N	Description
10BOX475SQSMEBA	Mounting box with easy battery access
10PBS	4.75 inch square "Push To Open" text only
10PBS1	4.75 inch square "Push To Open" text and handicap logo
10PBSLL	4.75 inch square handicap logo only
10PBS10	4.75 inch square plain face
10PBSE	4.75 inch square "Push To Exit" text only
10PBS1B	4.75 inch square white on blue "Push To Open" text and handicap logo
10PBS1SB	4.75 inch square blue on satin brass "Push To Open" text and handicap logo
10PBS1BB	4.75 inch square blue on bright brass "Push To Open" text and handicap logo
10TD900PB	Hardwired transmitter
10TD433PB3V	One button, 3-volt wired transmitter
10TD433PB9V	One button, 9-volt wired transmitter
10PBBRACKET	Surface mount kit
10PBBRACKETCA	Surface mount kit, clear anodized
10WRSQ475	PBS series weather ring



10DOORSWITCH



10DPG50



10RELXXX



10REMOTE



10SPOTFINDER



10SWITCH75



10SWITCH1076



10SWITCH1084



10SWITCH1277



30.5580



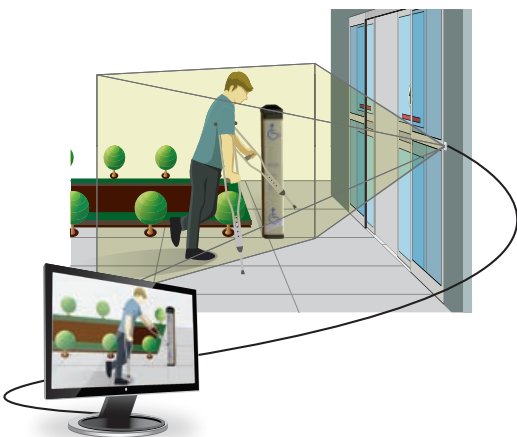
50.5283

INSTALLATION ACCESSORIES

BEA's line of supplemental door accessories

PRODUCT SERIES

P/N	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 0.75 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, 0.75 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



JAMB CAM

Jamb mounted
color video camera

FEATURES & BENEFITS

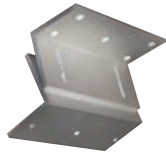
- Full color and enhanced definition color video with resolution of 480 × 720 (480p)
- Standard RCA video output
- Wide angle lens for complete view of door and traffic flow
- Integrated voltage regulator for installation convenience
- Low profile design minimizes accidental damage from shopping carts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

TECHNICAL SPECIFICATIONS

Supply Voltage	6.6 – 36 VDC; ±10% 6.0 – 28 VAC; ±10%
Operating Temperature	–22 °F – 140 °F (RH 95% max) (–30 °C – 60 °C)
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	1.75 in (W) × 3.0 in (H) × 0.75 in (D)

PRODUCT SERIES

P/N	Description
10JAMBCAM	Jamb mounted color video camera
10IXIODT1V	IXIO-DT1 with integrated video
20.5308C	Camera harness and power supply CAN ONLY BE USED WITH IXIODT1V - pg 44



10LZBRMAG1UL



10LZBRMAG3UL



10UBRACKETUL



10FILLER12UL



10SPACER3UL



10RIMHOUSING1UL

MAGLOCK 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 ½ 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 accommodate different door frame sizes and configurations while extending a flat mounting surface for the maglock

PRODUCT SERIES

P/N	Description
10LZBRMAG1UL	(1) "L" bracket, (1) "Z" bracket for single 1200 lb maglocks
10LZBRMAG3UL	(1) "L" bracket, (1) "Z" bracket for single 600 lb maglocks
MAG5LZUL	(2) "L" brackets, (2) "Z" brackets for double 1200 lb maglocks
MAG6LZUL	(2) "L" brackets, (2) "Z" brackets for double 600 lb maglocks
10UBRACKETUL	Bracket kit for mounting a maglock to a glass door up to 0.50 inch thick
10FILLER12UL	0.50 × 1.25 inch horizontal right filler plate used to fill or extend door stops for single locks only
10FILLER14UL	0.25 × 1.25 inch horizontal right filler plate used to fill or extend door stops for single locks only
10FILLER34UL	0.75 × 1.25 inch horizontal right filler plate used to fill or extend door stops for single locks only

PRODUCT SERIES CONT'D

P/N	Description
10FILLER58UL	0.0625 × 0.0625 inch horizontal filler plate used to fill or extend door stops
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
10SPACER3UL	Vertical "spacer bracket" used when the stop requires the maglock to be lowered for single 600 lb maglocks
50.0334	Screw pack for 10MAGLOCK1UL
50.0335	Screw pack for 10MAGLOCK3UL

POWER SUPPLIES AND TRANSFORMERS



10PS12-24



10PSMDR2024



10PSVR5T



1012VAC



1024VAC



1024VACGRAINGER

FEATURES & BENEFITS

- Can be used with select BEA products that require additional power

TECHNICAL SPECIFICATIONS

10PS12-24

Output (Power Supply)

VDC	12 VDC	24 VDC
Switch Position	SW1 Open	SW1 Closed
Max. Stand-by Load DC	1.75 amp	1.75 amp
Max. Alarm Load DC	1.75 amp	1.75 amp
Battery (optional)	12 VDC	24 VDC

Output (Stand-by)

VDC	12 VDC / 7 AH	12 VDC / 7 AH
	Battery	Battery

4 Hr. of Stand-by & 5 Minutes of Alarm Stand-by = 1.25 amp Alarm = 1.25 amp

Input

115 VAC / 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

7.5 in (W) × 8.5 in (H) × 3.5 in (D)

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

10PS12-24D

Battery Backup

Maximum charge current: 400mA.
Automatic switch over to stand-by battery when AC fails

Output (Power Supply)

VDC	12 VDC	24 VDC
Switch Position	SW1 Open	SW1 Closed
Max. Stand-by Load DC	1.75 amp	1.75 amp
Max. Alarm Load DC	1.75 amp	1.75 amp
Battery (optional)	12 VDC	24 VDC

Output (Stand-by)

VDC	12 VDC / 7 AH	12 VDC / 7 AH
	Battery	Battery

4 Hr. of Stand-by & 5 Minutes of Alarm
Battery not included

Stand-by = 1.25 amp Stand-by = 1.25 amp

Output

Selectable 12 VDC or 24 VDC power limited outputs
Class 2 Rated power limited outputs.
1.75 amp continuous supply current @ 12 VDC or 24 VDC
Filtered and electronically regulated output
Short circuit and thermal overload protection

Input

Input 115 VAC / 60 Hz, 0.6 amp

Supervision

AC fail supervision (form "C" contacts)
Dry trigger output (form "C" contacts)

Fire Alarm Interface

Dry trigger input

POWER SUPPLIES AND TRANSFORMERS (CONTINUED)

TECHNICAL SPECIFICATIONS CONT'D

10PS12-24D CONT'D

Visual Indicators	AC input and DC output LED indicators
Enclosure Dimensions	13.5 in (W) × 13 in (H) × 3.25 in (D)
Norm Conformance	UL Listed for Access Control Systems (UL294), CUL Listed - CSA Standard C22.2

10PSVR5T

Input	24 VAC or 24 VDC
Output	5 VDC (VR1TM5) or 12 VDC 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
Enclosure Dimensions	
VR5T / VR5BT	3.375 in (W) × 1.125 in (H) × 2.5 in (D)
All Other Units	1.625 in (W) × 1 in (H) × 2.375 in (D)
Degree of Protection	CE European Conformity

10PSMDR2024

Input	
Voltage Range	85 – 264 VAC, 120 – 370 VDC
Frequency Range	47 – 63 Hz
Output	
DC Voltage	24 V
Rated Current	1A
Rated Power	24 W
Enclosure Dimensions	0.89 in (W) × 3.54 in (H) × 3.94 in (D)

PRODUCT SERIES

P/N	Description
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)
10PSMDR2024	100 – 240 VAC, 24 VDC Power Supply
10PSVR5T	24 VAC or 24 VDC
1012VAC	12 VAC (20 VA) transformer with mounting feet <i>Not used for UL / ULC listed maglocks</i>
1024VAC	24 VAC (40 VA) transformer with mounting feet <i>Not used for UL / ULC listed maglocks</i>
1024VACGRAINGER	24 VAC (40 VA) Class I transformer with mounting bracket <i>Not used for UL / ULC listed maglocks</i>

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