

BEA AMERICAS

2022

REDEFINING ACCESSIBILITY & SAFETY

LZR®-FLATSCAN 3D SW



BEA's LZR®-FLATSCAN 3D SW is a stand-alone, door-mounted safety system for swing doors. The four curtains create a three-dimensional detection pattern covering the door's entire pathway. The deep detection pattern reduces sudden door movements preventing contact with the user.

Instead of coordinating and wiring activation devices, utilize Virtual Push Buttons for a non-contact form of door activation. Convenient in settings that rely on hygienic solutions, like surgical environments.

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THREE-DIMENSIONAL FIELD DEPTH

COMPLETE OPENING COVERAGE

BUILT-IN KNOWING ACT DEVICE

STANDARDS COMPLIANCE



BEA AMERICAS

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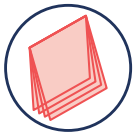
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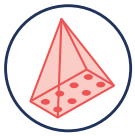
TECHNOLOGIES



LASER

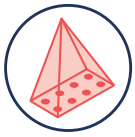
Laser technology works according to the principle of Time-of-Flight. The sensor sends an intense light impulse in a defined direction and measures the time until the signal returns. As the speed of light is a constant value (approximately 300,000 km/s), this time is directly proportional to the distance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

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

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

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



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

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

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

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.



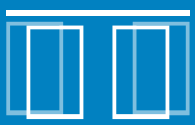
VIDEO

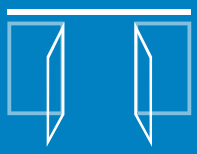
Video technology uses optics and light to create pictures and videos. Enhanced definition cameras capture door environment and traffic usage in full color and high quality. Cameras are used within sensors to increase security and decrease liability.

FIND YOUR APPLICATION

PEDESTRIAN SENSING SOLUTIONS


LOW ENERGY DOORS


SLIDING DOORS


SWINGING DOORS


REVOLVING DOORS


AUTOMATED WINDOWS


ESCALATORS


KNOWING ACT DEVICES


SPEED LANES AND TURNSTILES

INDUSTRIAL AUTOMATION SOLUTIONS


HIGH PERFORMANCE DOORS


COMMERCIAL DOORS


LOADING DOCKS

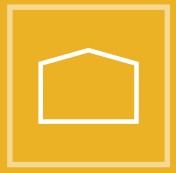

WAREHOUSING

SECURITY & ACCESS SOLUTIONS


REQUEST-TO-EXIT


ACCESS CONTROL


ARTWORK PROTECTION


PERIMETER PROTECTION

VEHICLE SENSING SOLUTIONS



GATES



BARRIERS



TOLL GATES

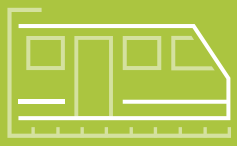


VEHICLE CLASSIFICATION



PARKING

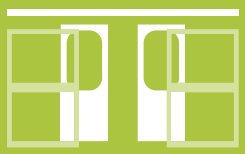
PUBLIC TRANSPORTATION SOLUTIONS



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COLIBRI ONE

UNIDIRECTIONAL MOTION SENSOR FOR OFF-DOOR APPLICATIONS

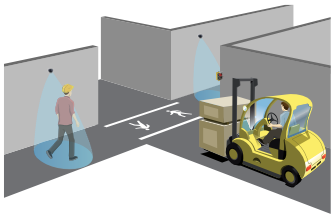


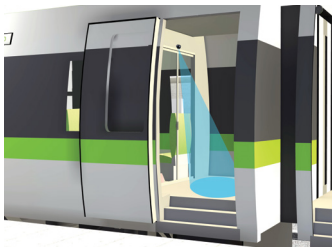
Customizable Settings
Variable sensitivity adjustment provides different detection areas

Variable Mounting
Lateral angle adjustment for ceiling-, wall-, and low-level mount versatility

Compact, Low Profile
Compact size provides flexibility in mounting

Ideal For Off-Door Applications
Pairs with LED SIGNAL LIGHTS for warning indication applications







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 / cm²
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
Output	Solid-state-relay (free of potential change-over contact)
Max. Contact Current	100 mA
Max. Contact Voltage	35 VDC / 24 VAC
Mounting Height	6 – 10′
Degree of Protection	IP54
Temperature Range	-4 – 131 °F
Dimensions	3 ⅛″ (W) x 2 ⅖″ (H) x 2 ⅛″ (D)
Tilt Angles	0 – 90° vertical; -30 – 30° lateral
Materials	ABS, PC
Weight	5 oz
Cable Length	8′
Norm Conformity	R&TTE 1999 / 5 / EC EMC 2004 / 108 / EC

PRODUCT SERIES

10COLIBRI1	Motion sensor

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EAGLE FAMILY

MOTION SENSOR FOR AUTOMATIC DOORS



Save on Energy Costs
Energy savings as a result of unidirectional detection capability

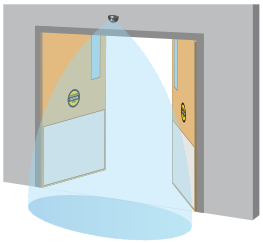
Adjustable
Narrow and wide antennae included

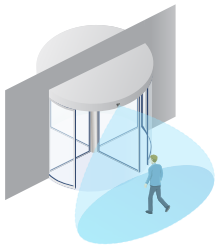
Eliminates False Detections
Immunity settings can be adjusted to reduce unwanted detections caused by rain, snow, and header vibrations

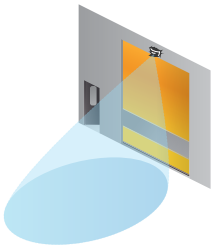
Versatile
Motion detection feature capable of detecting traffic moving as slowly as two inches per second

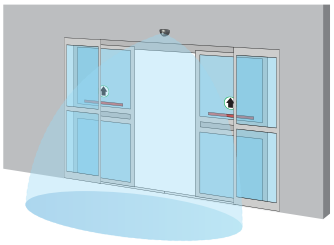
Aesthetically Pleasing Design
Compact, low-profile design

Accessories Available
Variety of mounting accessories available, including our spacer accessory with integrated camera









TECHNICAL SPECIFICATIONS

Technology	Microwave and microprocessor
Detection Mode	Motion
Transmitter Frequency	24.150 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Transmitter Power Density	< 5mW / cm²
Minimum Detection Speed	2 in/s (measuring based on optimal conditions)
Mounting Height	
EAGLE	6′ – 13′
EAGLE HM	10′ – 16′6″
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 Voltage	42 VAC/VDC
Max. Contact Current	1 A (resistive)
Max. Switching Power	30 W (DC) / 60 VA (AC)
Cable Length	
EAGLE	8'
EAGLE HM	30'
Degree of Protection	IP54
Temperature Range	-4 – 131 °F
Dimensions	4 7⁄10" (L) × 3 7⁄10" (H) × 2" (W)
Material	ABS
Weight	7.6 oz
Tilt Angles	0 – 90° vertical; -30 – 30° lateral
Norm Conformity	R&TTE 1999 / 5 / EC LVD 2006 / 95 EC RoHs 2 2011 / 65 / EU

PRODUCT SERIES

10EAGLE	Microwave motion sensor
10EAGLE1HM	Microwave motion sensor (high-mount for industrial doors)
10EAGLESPACER	EAGLE spacer
10EAGLESPACERV	EAGLE spacer with integrated camera
10ECA	Flush mount, ceiling adapter for EAGLE
10EMB	EAGLE mounting bracket
10ERA	EAGLE rain cover (standard)
10ERC	EAGLE rain cover (deluxe)
10EQD	Quick-disconnect harness for EAGLE sensor
10INDBRACKET	Industrial mounting bracket
10MINIBRACKET	Short, adjustable mounting bracket
10REMOTE	Universal remote control for sensor setup
20.0027	EAGLE cable (6', 4-conductor)
70.0164	Microwave antenna bezel cover for EAGLE sensors
70.0167	Black EAGLE replacement cover
66.0098	Silver EAGLE replacement cover
70.0173	EAGLE wide antenna
70.0182	EAGLE narrow antenna

FALCON FAMILY

MOTION SENSOR FOR INDUSTRIAL DOORS, GATES, AND WARNING INDICATION



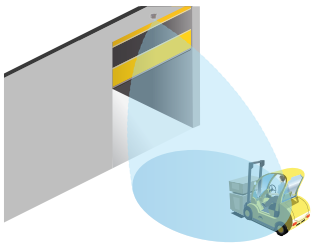
Energy Savings
Bidirectional + unidirectional approach and unidirectional depart microwave detection options

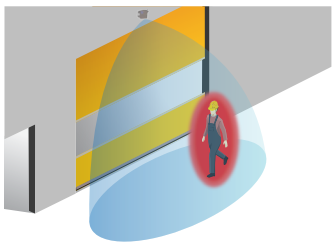
Adjustable Detection Settings
Six modes of detection filtering for pedestrian and parallel traffic rejection

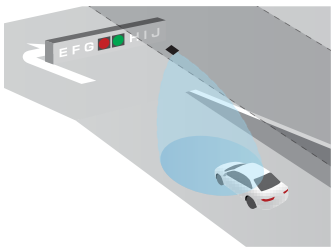
Adjustable Angle
Tilt angle from zero to 180°

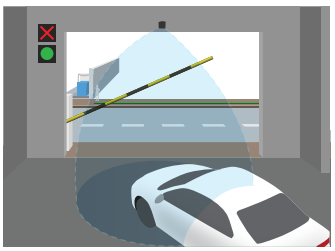
Remote Control Adjustments
Remote control programming enables user to quickly and safely make changes from the ground

Rated For Harsh Environments
IP65-rated enclosure









TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler radar
Radiated Frequency	24.150 GHz
Transmitter Radiated Frequency	< 20 dBm EIRP
Radiated Power Density	< 5 mW / cm²
Detection Mode	Motion
Detection Zone	
FALCON	13’ × 16’ at 16’
FALCON XL	13’ × 6 ½’ at 8 ½’
FALCON WIDE	30’ × 11’ at 21’
	Typical at 30° and field size 9
Tilt Angles	0 – 180°
Output	Relay (free of potential change-over contact)
Max. Contact Voltage	42 VAC/VDC
Max. Contact Current	1 A (resistive)
Max. Switching Power	30 W (DC); 60 VA (AC)
Minimum Detection Speed	2 in/s*
Mains Frequency	50 – 60 Hz
Supply Voltage	12 – 24 VAC; ±10% 12 – 24 VDC; 30% / -10%
Power Consumption	< 2 W
Mounting Height	
FALCON	11 ½ – 23’
FALCON XL	6 ½ – 11 ½’
FALCON WIDE	11 ½ – 21’
Dimensions	3 ¾” (W) × 4” (H) × 5” (L)
Materials	ABS, PC
Temperature Range	-22 – 140 °F
Degree of Protection	IP65
Norm Conformity	EMC: 2004 / 108 / EC R&TTE: 1999 / 5 / EC

* Measured in optimal conditions

PRODUCT SERIES

10FALCON	Industrial motion detector (11 ½ – 23’ high mount)
10FALCONW	Industrial motion detector with wide detection fields (11 ½ – 21’ high mount)
10FALCONXL	Industrial motion detector for low mounting (6 ½ – 11 ½’ high mount)
10INDBRACKET	Industrial mounting bracket
10MINIBRACKET	Short, adjustable mounting bracket
10WBA	Universal mounting bracket arm
10WBAMOUNT	Universal mounting bracket plate
10REMOTE	Universal remote control for sensor setup
20.5365	FALCON harness (100’)
35.1568	FALCON harness (30’)

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FALCON EX FAMILY

MOTION SENSOR WITH EXPLOSION-PROOF AND FLAME-PROOF HOUSING

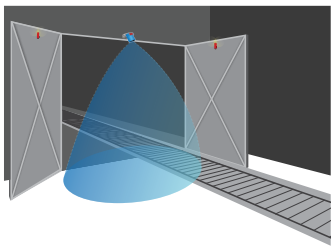


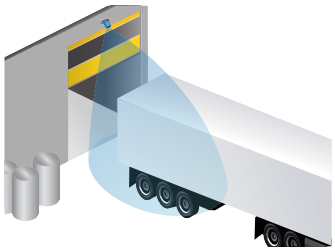
Energy Savings
Bidirectional + unidirectional approach and unidirectional depart microwave detection options

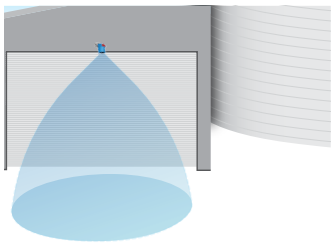
Adjustable Detection Settings
Six modes of detection filtering for pedestrian and parallel traffic rejection

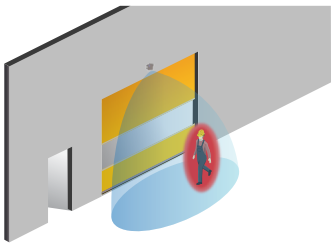
Easy to Program
Remote control programming enables user to quickly and safely make changes from the ground

Explosion-proof and Highly Durable
Explosion-proof and flame-proof housing weighs 11 pounds









TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler radar
Radiated Frequency	24.150 GHz
Transmitter Radiated Frequency	< 20 dBm EIRP
Radiated Power Density	< 5 mW / cm²
Detection Mode	Motion
Detection Zone	
FALCON EX	13′ × 16′ at 16′
FALCON EX XL	13′ × 6½′ at 8⅕′
FALCON EX WIDE	30′ × 11′ at 21′
	Typical at 30° and field size 9
Tilt Angles	-90 – 30° in elevation
Output	Relay (free of potential change-over contact)
Max. Contact Voltage	42 VAC/VDC
Max. Contact Current	1 A (resistive)
Max. Switching Power	30 W (DC); 60 VA (AC)
Minimum Detection Speed	2 in/s
Mains Frequency	50 – 60 Hz
Supply Voltage	12 – 24 VAC; ±10%
	12 – 24 VDC; 30% / -10%
Maximum Power Consumption	< 2 W
Mounting Height	
FALCON EX	11 ½ – 23′
FALCON EX XL	6 ½ – 11 ½′
FALCON EX WIDE	11 ½ – 21′
Dimensions	
Housing and Bracket	5 ½″ (L) × 7 ½″ (W) × 9″ (H)
Electrical Access	
NPT Pipe Thread	¾″
Weight	10 lbs
Cable Length	See User's Guide for reference
Materials	Copper-free Aluminum, Aluminum
Temperature Range	-22 – 140 °F
Housing Certification*	See User's Guide
Norm Conformity	EMC: 2004 / 108 / EC
	R&TTE: 1999 / 5 / EC

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

PRODUCT SERIES

10FALCONEX100	Industrial motion detector with 100′ harness (11 ½ – 23′ high mount)
10FALCONEXW100	Industrial motion detector with wide detection fields and 100′ harness (11 ½ – 21′ high mount)
10FALCONEXXL100	Industrial motion detector for low mounting with 100′ harness (6 ½ – 11 ½′ high mount)
10INDBRACKET	Industrial mounting bracket
10REMOTE	Universal remote control for sensor setup
20.5365	FALCON harness (100′)
35.1568	FALCON harness (30′)

PHOENIX EX™ FAMILY

MOTION SENSOR WITH EXPLOSION-PROOF AND
FLAME-PROOF HOUSING FOR INTRUSION PROTECTION

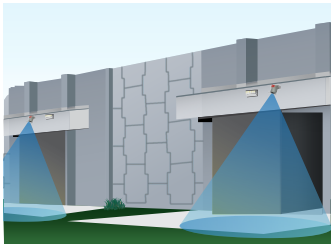


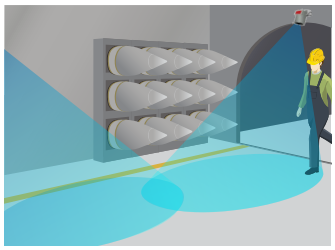
Energy Savings
Bidirectional + unidirectional approach and unidirectional depart microwave detection options

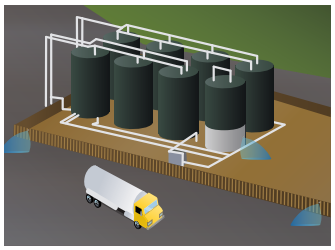
Tamper Proof
Integrated, tamper alert switch and end-of-line resistors

Certified Housing
Explosion-proof and flame-proof housing, weighs 10 pounds

Customizable Detection Angle
Tilt adjustment angle: -90 to 30° in elevation









TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler radar
Transmitter Frequency	24.150 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Transmitter Power Density	< 5 mW / cm²
Detection Mode	Motion
Output*	Relay (free of potential change-over contact)
Maximum Contact Voltage	42 VAC/VDC
Maximum Contact Current	1 A (resistive)
Maximum Switching Power	30 W (DC); 60 VA (AC)
Anti-Tamper Feature	
PHOENIX EX	1) product anti-tamper (magnetic switch within cover, alerts when cover is unscrewed) 2) application-based anti-tamper (tamper alert via end-of-line resistor)
PHOENIX EX-IT	Tamper alert via output
Minimum Detection Speed	2 in/s*
Supply Voltage	12 – 24 VAC; ±10% 12 – 24 VDC; 30% / -10%
Mains Frequency	50 – 60 Hz
Maximum Power Consumption	< 2 W
Electrical Access	¾"
Cable Length	30' or 100' (default), diameter ¼" max
Detection Zone	
PHOENIX EX	13' × 16' at 16'
PHOENIX EX XL	13' × 16 ½' at 8 ⅓'
PHOENIX EX WIDE	30' × 11' at 21' Typical at 30° and field size 9
Mounting Height	
PHOENIX EX	11 ½ – 23'
PHOENIX EX XL	6 ½ – 11 ½'
PHOENIX EX WIDE	11 ½ – 21'
Dimensions	
Housing and Bracket	5 ½" (H) × 7 ½" (W) × 9" (L)
Weight	10 lbs
Temperature Range	-22 – 140 °F
Housing Certification* **	See User's Guide
Norm Conformity	EMC: 2004 / 108 / EC R&TTE: 1999 / 5 / EC

PRODUCT SERIES

10PHOENIXEX100	Industrial motion detector with 100' harness (11 ½ – 23' high mount)
10PHOENIXEXXL100	Industrial motion detector for low mounting with 100' harness (6 ½ – 11 ½' high mount)
10PHOENIXEXW100	Industrial motion detector with wide detection fields and 100' harness (11 ½ – 21' high mount)
10PHOENIXEX-IT100	Industrial motion detector with 100' harness (11 ½ – 23' high mount)
10PHOENIXEXXL-IT100	Industrial motion detector for low mounting with 100' harness (6 ½ – 11 ½' high mount)
10PHOENIXEXW-IT100	Industrial motion detector with wide detection fields and 100' harness (11 ½ – 21' high mount)
10REMOTE	Universal remote control for sensor setup

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

* Measured in optimal conditions
** Output ratings may vary depending on optional end-of-line resistor values
*** Adalet / Scott Fetzer Co., UL Listing #E81696

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SPARROW

VARIABLE MOUNT, INDUSTRIAL MOTION SENSOR

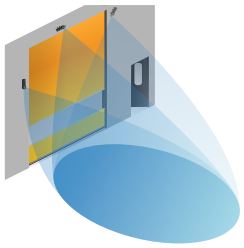


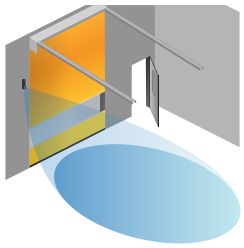
Flexible Mounting
Mounting height from 6 ½ feet to 20 feet

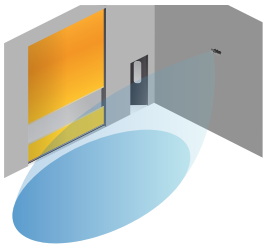
Adjustable For Optimal Detection
Ten sensor-sensitivity settings can be applied to optimize detection

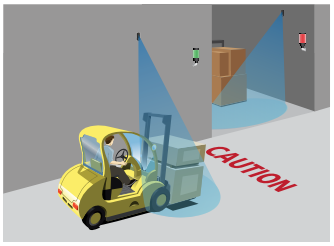
Weather Resistant
IP64-rated enclosure for industrial and harsh environments

Customizable Settings
Immunity settings can be adjusted to reduce unwanted detections caused by rain, snow, and header vibrations









TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler radar
Transmitter Frequency	24.150 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Transmitter Power Density	< 5 mW / cm²
Detection Mode	Motion
Tilt Angle	0 – 90° vertical; -120 – 120° lateral
Output	Relay (free of potential change-over contact)
Max. Contact Voltage	42 VAC – 60 VDC
Max. Contact Current	1 A (resistive)
Max. Switching Power	30 W (DC) / 60 VA (AC)
Minimum Detection Speed	2 in/s (measured in the sensor axis)
Frequency	50 – 60 Hz
Supply Voltage	12 – 24 VAC ±10% 12 – 24 VDC; 30% / -10%
Maximum Power Consumption	< 2 W
Mounting Height	6 ½ – 20′
Dimensions	5 ½″ (L) × 2 ¼″ (H) × 2 ⅕″ (W)
Material	ABS
Color	Black
Weight	5.8 oz
Cable Length	30′
Temperature Range	-22 – 140 °F
Degree of Protection	IP64
Norm Conformity	R&TTE 1999 / 5 / EC EMC 2004 / 108 / EC

PRODUCT SERIES

10SPARROW	Variable-mount motion sensor
10REMOTE	Universal remote control for sensor setup
10INDBRACKET	Industrial mounting bracket

BODYGUARD-T

OVERHEAD PRESENCE SENSOR FOR AUTOMATIC DOORS



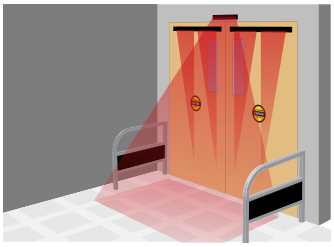
Overhead Presence Sensor
Versatile sensor can be used on single swing, simultaneous pair, dual egress, and folding doors when coupled with an interface / lockout device

Tailor For Application Needs
Adjustable tilt angle from zero to 10°

Visible Indication
Visible LED indicates connection between sensor and door control

Customized Detection
Separate pattern width, depth, and sensitivity for open- and closed-door states provide maximum flexibility

Standards Compliant
Fully monitored internally; capable of external monitoring





TECHNICAL SPECIFICATIONS

Technology	Active infrared
Detection Mode	Presence
Installation Height (variable)	9′ 0″ maximum (recommended: 6′ 6″ – 8′ 0″)
Mounting Angles	
BODYGUARD Only	5°, 10° (factory default setting: 5°)
With BODYMOUNT	0°, 5°, 10°
Power Supply	12 – 24 VAC/VDC ±10%
Frequency	50 – 60 Hz
Output	
Max. Contact Voltage	60 VDC / 125 VAC
Max. Contact Current	1 A
Max. Power Supply	30 W (DC), 60 VA (AC)
Relay Hold Time	0.5 – 9 s
Operating Temperature	-22 – 140 °F
Immunity	Immune to electrical and radio frequency interference
Cable	4′
Weight	1 lb 11 oz
Dimensions	12″ (W) x 2″ (H) x 2″ (D)
Materials	Aluminum, ABS
Housing	Black anodized aluminum

PRODUCT SERIES

10BODYGUARDT	Header-mounted, safety sensor
10BODYMNT	Spacer for BODYGUARD-T
10BGQD	Quick-disconnect cable for BODYGUARD-T (78″)
10CAPKIT	(1) left / (1) right end cap and mounting screws
10HORTONSSHARN	BODYGUARD-T / SUPERSCAN-T relay harness for use with Horton Control
10LO21	Lock-out modules *see page 50 for more information*
10REMOTE	Universal remote control for sensor setup
10URC	Universal rain cover for BODYGUARD-T
15.0075	Harness for LO21 and LO21P
20.2015	BODYGUARD-T light pipe and cover for light pipe
20.5384	8-conductor harness, 4 ½′
30.0345	7-position, female pin connector
41.3879	Adjustable mounting clips for PCB
70.0045	Extrusion housing cut to 10 ¼″
70.0207	BODYGUARD-T lens cut to 4 ⅞″

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FLY KIT

COMPACT, PASSIVE INFRARED REQUEST-TO-EXIT SENSOR

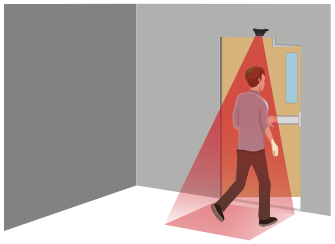


Precise Infrared Detection
Sensing field adjustment masks provide accurate detection zones (two included)

Adjustable Access Settings
Extended Relay Time (ERT) version is available for hold times of 15 or 30 seconds

Customizable
DIP switches for user-defined settings

Low-Profile Design
Compact, aesthetically pleasing design; packages include both ceiling- and surface-mount adapters



TECHNICAL SPECIFICATIONS

Technology	Passive infrared with microprocessor
Mounting Height	
Recommended	6 ½ – 8′ (max. 10')
Mounting Angles	0 – 180°
Power Supply	12 – 24 VAC ±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	200 ms (max)
Relay Hold Time	
Standard Fly	0.5 or 2 s
Fly Extended Relay Time	15 or 30 s
Operating Temperature	-22 – 140 °F (-30 – 55 °C)
Cable	9′ 4-conductor cable with 5-pin connector
Weight	1.4 oz (40 g)
Sensor Dimensions	4″ (W) × 1 ⅘″ (H) × 1″ (D)
Housing Color	Black

PRODUCT SERIES

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

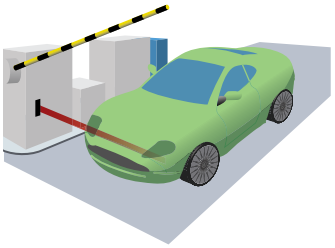


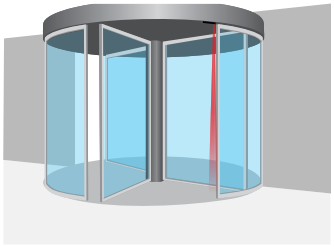
Low-Profile Detection
Low profile, recessed mount enables FOCUS 2 and SMART FOCUS to protect pedestrians from contact with the moving door

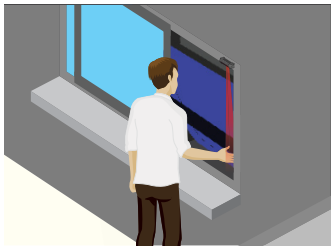
Monitoring Capable
SMART FOCUS is fully monitored (not FOCUS or FOCUS 2)

Perfect For Activation Of Small Windows and Pass-Thru
Ideal for drive-thru and pass-thru applications

Ideal for Gates and Barriers
Horizontal mount for use in gate and barrier applications







TECHNICAL SPECIFICATIONS

10FOCUS and 10FOCUS2

Technology	Focused, active infrared
Detection Mode	Presence
Power Supply	24 VAC/VDC ±10%
Current Consumption	60 mA (on); 30 mA (off)
Output Interface; Relay	Relay; max. contact rating is 1 A at 30 V (resistive)
Detection Range	0 – 8 ⅓′
Distance Adjustment	2 – 8′, rotating cam with linear adjustment
Detection Time	< 50ms
Detection Signal Duration	Infinite presence detection
LED Activity	
Green	No detection
Operating Temperature Range	-30 – 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 Field	1 ¹⁹⁄₅₀″ × 2 ¹⁹⁄₂₅″ at 7 ¼′ mounting height
Light Indicator	
Red	ON during detection
Orange	Flashes 1x after power on
Response Time	64 ms
Mounting Height	2 – 10′
Supply Voltage	12 – 24 VAC/VDC -5% / 10%
Mains Frequency	50 – 60 Hz
Max. Current Consumption	120 mA at 24 VAC / 80 mA at 24 VDC
Standard Output	Relay (free of potential contact)
Max. Contact Voltage	42 VAC/VDC
Max. Contact Current	1 A (resistive)
Max. Switching Power	30 W (DC) / 60 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 850 nm
Temperature Range	-13 – 131 °F (-25 – 55 °C) 0 – 95% rel. humidity, non-condensing
Degree of Protection	IP53
Dimensions	5 ¾″ (L) × 1 ⅗″ (H) × 2″ (D)
Length of Main Cable	8′
Norm Conformity	IEC 61000-6-2; IEC 61000-6-3 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)

PRODUCT SERIES

10FOCUS	Distance-measuring, active infrared presence sensor (surface-mount)
10FOCUS2	Distance-measuring, active infrared presence sensor (recessed-mount)
10SMARTFOCUS	Distance-measuring, active infrared presence sensor (recessed-mount); adapts to environment by the push of a button
10SMARTFOCUSSMA	Surface-mount adapter for SMART FOCUS sensor
15.0118	FOCUS 2 harness (240″)
70.0068	FOCUS harness (48″)
35.1128	6-conductor cable with socket for SMART FOCUS
70.0138	Lens extrusion, ordered by inch (9″ needed for 10FOCUS lens replacement)

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IS40P

PRESENCE SENSOR WITH VIRTUAL LOOP FUNCTIONALITY



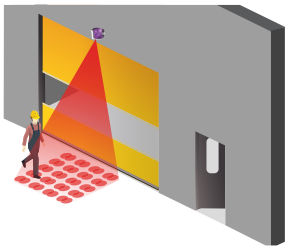
Adjustable Learn Time
Nine unique infrared patterns capable of highly flexible presence detection in any industrial environment

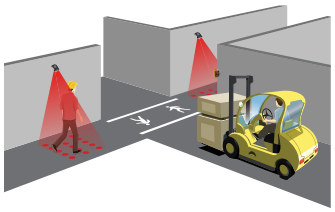
Reduce False Detections
Six modes of detection filtering are available for microwave immunity, as well as pedestrian and parallel traffic rejection

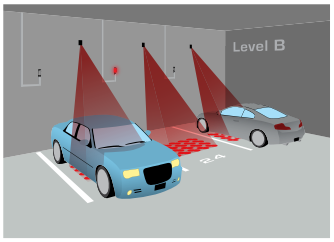
Programmable Via Remote
Remote control programming enables user to quickly and safely make changes from the ground (sold separately)

Easy to Program
Adjustable infrared immunity modes mitigate environmental disturbances such as subtle door vibrations, light, sun, rain, and snow









TECHNICAL SPECIFICATIONS

Technology	Active infrared
Detection Mode	Presence
Mains Frequency	50 – 60 Hz
Power Consumption	< 3.5 W
Output Max. Contact Voltage Max. Contact Current Max. Switching Power	2 relays (free of potential change-over contact) 42 VAC/VDC 1 A (resistive) 30 W (DC) / 48 VA (AC)
Supply Voltage	12 – 24 VAC; ±10% 12 – 24 VDC; 10% / -3%
Temperature Range	-22 – 140 °F
Tilt Angle	15 – 45°
Transmitter Frequency / Wavelength	875 nm
Transmitter Power Density	< 250 mW / m²
Detection Field	10′ × 10′ at max. mounting height of 16′ (emitting spots)*
Output Hold Time	0.5 s
Min. Detection Speed	0 in/s to activate detection
Reaction Time	250 ms
Mounting Height	8 – 16′
Humidity	0 – 95% non-condensing
Weight	14 oz
Dimensions	3 ⅘″ (W) × 4″ (H) × 5″ (D)
Materials	ABS, PC
Cable Length	32′
Degree of Protection	IP65
Norm Conformity	EMC: 2004 / 108 / EC R&TTE: 1999 / 5 / EC

* Zone detected by SPOTFINDER (i.e. slightly larger than actual detection field)

PRODUCT SERIES

10IS40P	Industrial sensor utilizing active infrared presence detection
10INDBRACKET	Industrial mounting bracket
10MINIBRACKET	Short, adjustable mounting bracket
10WBA	Universal mounting bracket arm
10WBAMOUNT	Universal mounting bracket plate
10REMOTE	Universal remote control for sensor setup
10SPOTFINDER	Active infrared spotfinder
35.1566	8-pin conductor cable (30′)

IXIO-ST

PRESENCE SENSOR FOR AUTOMATIC, SLIDING DOORS



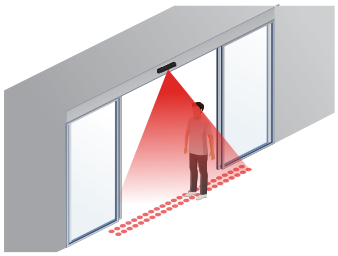
Precise Presence Detection
Two 24-spot, high-density infrared, safety curtains providing precise presence detection

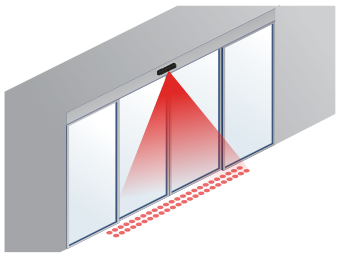
Easily Adjustable
Four visible, red, alignment spots are projected on the ground to assist in precise IR curtain adjustment

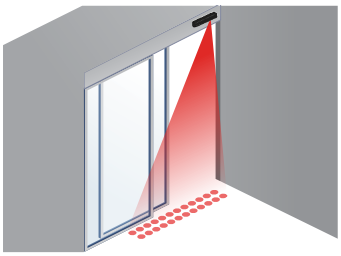
Ease of Setup
Intelligent programming and troubleshooting via a menu-driven LCD

Intelligent Solution
On-board microprocessor optimizes data analysis, monitors sensor performance, and enables system integration

Standards Compliant
Fully monitored internally, capable of external monitoring







TECHNICAL SPECIFICATIONS

Technology	Active infrared
Detection Mode	Presence
Spot Size	2″ × 2″
Max. Number of Spots	24 per curtain
Max. Number of Curtains	2
Output	Solid-state-relay (potential and polarity free)
Max. Contact Voltage	42 VAC/VDC
Max. Contact Current	400 mA
Hold Time	0.3 – 1 s
Test Input	
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	6 ½ – 11 ½′
Temperature Range*	-13 – 131 °F 0 – 95% relative humidity, non-condensing
Degree of Protection	IP54
Applicable Directives	R&TTE 1999 / 5 / EC; LVD 2006 / 95 / EC; MD 2006 / 42 / EC; ROHS 2 2011 / 65 / EU
Dimension	10 ⅗″ (W) × 2 ¼″ (H) × 2 ¼″ (D)
Cable Length	10′
Norm Conformity	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

* LCD screen is operational from 14 to 131 °F. The sensor may still be programmed in colder temperatures, but with the remote control.

PRODUCT SERIES

10IXIOST	Active infrared presence sensor for sliding doors
10ICA	IXIO ceiling accessory
10IMB	IXIO bracket accessory
10IRA	IXIO rain accessory
10CDA	IXIO curved door accessory
10IXIOSPACER	IXIO spacer (black)
35.1345	IXIO replacement cover (black)
35.1302	IXIO replacement cover (white)
35.1303	IXIO replacement cover (silver)
10RETROFITSPACERKIT	Retrofit Spacer Kit - includes spacer, 2 ½" harness, and 9" harness
20.5349	Wire harness (10′)
20.5359	Wire harness (30′)
10MINIBRACKET	Short, adjustable mounting bracket
10REMOTE	Universal remote control for sensor setup

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IXIO-ST INDUSTRIAL

PRESENCE SENSOR FOR SMALL, INTERIOR, INDUSTRIAL DOORS



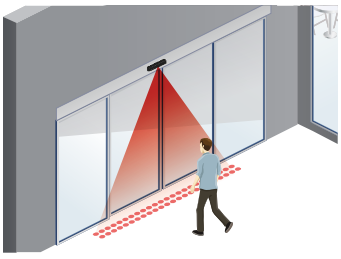
Precise Presence Detection
Two 24-spot, high-density infrared, safety curtains providing precise presence detection

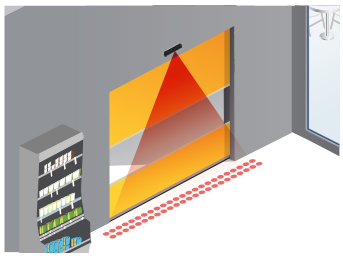
Easily Adjustable
Four visible, red, alignment spots are projected on the ground to assist in precise IR curtain adjustment

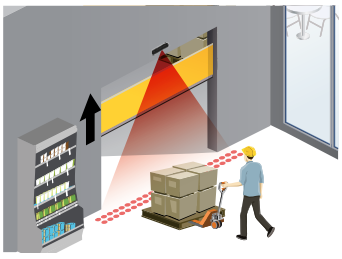
Ease of Setup
Intelligent programming and troubleshooting via a menu-driven LCD

Intelligent Solution
On-board microprocessor optimizes data analysis, monitors sensor performance, and enables system integration

Standards Compliant
Fully monitored internally, capable of external monitoring







TECHNICAL SPECIFICATIONS

Technology	Active infrared
Detection Mode	Presence
Spot Size	2″ × 2″
Max. Number of Spots	24 per curtain
Max. Number of Curtains	2
Output	Solid-state-relay (potential and polarity free)
Max. Contact Voltage	42 VAC/VDC
Max. Contact Current	400 mA
Hold Time	Infrared: 0.3 – 1 s
Test Input	
Sensitivity	Low: < 1 V; High: > 10 V (max. 30 V)
Response time on test request:	< 5 ms (typical)
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	6 ½ – 11 ½′
Temperature Range*	-13 – 131 °F 0 – 95% relative humidity, non condensing
Degree of Protection	IP54
Applicable Directives	R&TTE 1999 / 5 / EC LVD 2006 / 95 / EC MD 2006 / 42 / EC ROHS 2 2011 / 65 / EU
Dimension	10 ⅜″ (W) × 2 ¼″ (H) × 2 ¼″ (D)
Cable Length	30′
Norm Conformity	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

* LCD screen is operational from 14 to 131 °F. The sensor may still be programmed in colder temperatures, but with the remote control.

PRODUCT SERIES

10IXIOSTINDUS	Active infrared presence sensor for sliding doors
10ICA	IXIO ceiling accessory
10IMB	IXIO bracket accessory
10IRA	IXIO rain accessory
10CDA	IXIO curved door accessory
10IXIOSPACER	IXIO spacer (black)
35.1345	IXIO replacement cover (black)
35.1302	IXIO replacement cover (white)
35.1303	IXIO replacement cover (silver)
10RETROFITSPACERKIT	Retrofit Spacer Kit - includes spacer, 2 ½" harness, and 9" harness
20.5349	Wire harness (10′)
20.5359	Wire harness (30′)
10MINIBRACKET	Short, adjustable mounting bracket
10REMOTE	Universal remote control for sensor setup

LZR®-FLATSCAN SW

SINGLE CURTAIN, STAND ALONE, DOOR MOUNTED, SAFETY SYSTEM FOR FULL- AND LOW-ENERGY SWING DOORS



Background Independence
LASER technology ensures independence of all types of flooring (pedi-mats, carpet, reflective flooring, wet surfaces, etc.) and the surrounding environment of the door (guide rails, walls, weather, etc.)

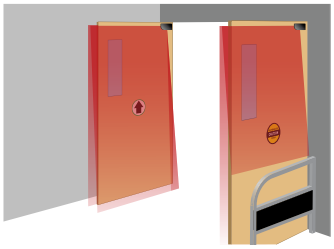
Leading-Edge Safety
Leading-edge safety extends the detection area beyond the leading edge of the door for enhanced safety

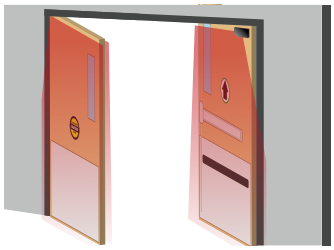
Hand-Gesture Setup™
Easy door-width programming using Hand-Gesture Setup™ reduces configuration time

Reduced Components
Hub-less system offers fewer components for easier setup and installation

Reduced Uncovered Zone
LASER technology provides a reduced uncovered zone of down to ¾ inch









TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Presence
Max. Detection Range	13' (diagonal) with reflectivity of 2% (e.g. at (W) × 5' > max. (H) × 12') *see User's Guide*
Detection Area	
Door Leaf Safety	90°
Pinch Zone Safety	16°
Angular Resolution	
Door Leaf Safety	1.3°
Pinch Zone Safety	0.2°
Typ. Min. Object Size	
Door Leaf Safety	4" at 13' (in proportion to object distance, DIP 2 = ON)
Pinch Zone Safety	¾" at 13' (in proportion to object distance, DIP 2 = ON)
Emission Characteristics	Wavelength 905 nm;
IR LASER	max. output pulse power 25 W; Class 1
Supply Voltage	12 – 24 VDC ±15%
Power Consumption	≤ 2 W
Response Time	
Door Leaf Safety	max. 50 ms
Pinch Zone Safety	max. 90 ms
Test Input	30 VDC (max. switching voltage) low < 1 V high > 10 V (voltage threshold)
Output	2 electronic relays (galvanic isolation - polarity free)
Max. Switching Voltage	42 VAC/VDC
Max. Switching Current	100 mA
LED Activity	
Red	Swing-side detection
Green	Approach-side detection
Yellow	Error
Dimensions	5 ½" (W) × 3 ⅓" (H) x 1" (D) (mounting bracket adds ¼")
Materials	PC, ASA

Color	Black, white, or silver
Tilt Angles	2 – 10° (without mounting bracket)
Degree of Protection	IP54 (EN 60529)
Temperature Range	-22 – 140 °F (if powered)
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
Min. Door Leaf Speed	2° / s
Norm Conformity	ISO 13849-1 Pl "d"/ CAT2 IEC 60825-1 IEC 60950-1 IEC 61000-6-2 IEC 61000-6-3 IEC 62061 SIL 2

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LZR®-FLATSCAN SW

SINGLE CURTAIN, STAND-ALONE, DOOR MOUNTED, SAFETY SYSTEM
FOR FULL- AND LOW-ENERGY SWING DOORS

PRODUCT SERIES

10LZRFLATSCAN-SWB	Full-energy, swing door, safety system (black)
10LZRFLATSCAN-SWS	Full-energy, swing door, safety system (silver)
10LZRFLATSCAN-SWW	Full-energy, swing door, safety system (white)
10LZRFLATSCAN-LELB	Low-energy, swing door, safety system (left mount, black)
10LZRFLATSCAN-LELS	Low-energy, swing door, safety system (left mount, silver)
10LZRFLATSCAN-LELW	Low-energy, swing door, safety system (left mount, white)
10LZRFLATSCAN-LERB	Low-energy, swing door, safety system (right mount, black)
10LZRFLATSCAN-LERS	Low-energy, swing door, safety system (right mount, silver)
10LZRFLATSCAN-LERW	Low-energy, swing door, safety system (right mount, white)
10LZRFLATSCAN-LB	LZR-FLATSCAN SW sensor (left, black)
10LZRFLATSCAN-LS	LZR-FLATSCAN SW sensor (left, silver)
10LZRFLATSCAN-LW	LZR-FLATSCAN SW sensor (left, white)
10LZRFLATSCAN-RB	LZR-FLATSCAN SW sensor (right, black)
10LZRFLATSCAN-RS	LZR-FLATSCAN SW sensor (right, silver)
10LZRFLATSCAN-RW	LZR-FLATSCAN SW sensor (right, white)
10LZRFLATSCANGDA	LZR-FLATSCAN glass door accessory
20.5433	LZR-FLATSCAN control harness
35.0213	LZR-FLATSCAN SW replacement cover (left, black)
35.0214	LZR-FLATSCAN SW replacement cover (right, black)
35.0220	LZR-FLATSCAN SW replacement cover (left, white)
35.0221	LZR-FLATSCAN SW replacement cover (right, white)
35.0242	LZR-FLATSCAN SW replacement cover (left, silver)
35.0243	LZR-FLATSCAN SW replacement cover (right, silver)
35.1329	LZR-FLATSCAN primary/secondary harness
70.5745	Sentrex retrofit accessory
70.5751	LZR-FLATSCAN spacer (silver)
70.5752	LZR-FLATSCAN spacer (white)
70.5753	LZR-FLATSCAN spacer (black)

LZR®-FLATSCAN 3D SW

FOUR CURTAIN, STAND ALONE, DOOR MOUNTED, SAFETY SENSOR



Advanced Safety
The four detection curtains ensure a full-safety coverage of the leaf, hinge area and leading edge of the door, exceeding all industry standards

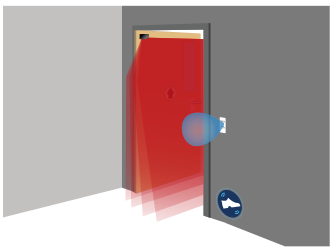
Built-in Knowing Act Device
Two Virtual Push Buttons per sensor provide a non-contact form of door activation without wiring or installing in-wall switches

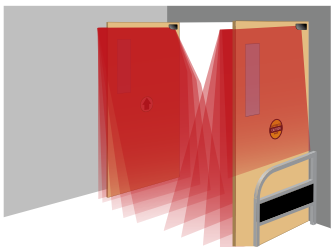
Adaptive Sensing
High-resolution detection curtains create a reliable solution with the ability to self-adapt as the door opens, preventing false detections from guide rails and tight corridors

Background Independence
LASER technology ensures independence of all types of flooring (pedi-mats, carpet, reflective flooring, wet surfaces, etc.) and the surrounding environment (weather and lighting)

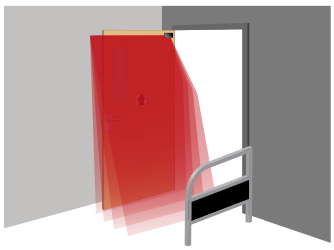
Easy Setup
Hub-less system offers fewer components for a more straightforward setup and installation. While Hand Gesture Setup™ reduces configuration time of the detection field width

This sensor is powered by DC voltage only. If only VAC power is available, a 12V transformer paired with a rectifier must be used. Do not use a 24V transformer and rectifier as this will cause damage to the product.









TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Presence
Max. Detection Range	13' (diagonal) with reflectivity of 2% (e.g. at (W) × 5' > max. (H) × 12')
Recommended Mounting Height	75 – 98"
Opening Angle	
Door Leaf Safety	80°
Pinch Zone Safety	20°
Angular Resolution	
Curtain 1	0.2°
Curtain 2	1°
Curtain 3	1.7°
Curtain 4	2.5°
Tilt Angles	0 – 5°
Typ. Min. Object Size	¾" at 13' in curtain C1
Emission Characteristics	Wavelength 905 nm;
IR LASER	output power < 0.1 mW; Class 1
Supply Voltage	12 – 24 VDC ±15% (to be operated from SELV-compatible power supplies only)
Power Consumption	< 2 W
Response Time	Typ. < 120 ms Max. 220 ms
Output	3 electronic relays (galvanic isolation - polarity free)
Max. Switching Voltage	42 VAC/VDC
Max. Switching Current	100 mA
LED Activity	1 RGB LED: Detection / Output Status
Dimensions	5 ¾" (L) × 3 ½" (H) × 2 ⅓" (D)
Spacer	D + 1 ½"
Materials	PC, ASA

Color	Black
Degree of Protection	IP44 (EN 60529)
Temperature Range	-13 – 140 °F
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
Min. Door Leaf Speed	2°/s
Norm Conformity	ISO 13849-1 PI "d"/ CAT2 IEC 60825-1 IEC 62061 SIL 2

PRODUCT SERIES

10LZRFLATSCAN3D-SWBK	LZR-FLATSCAN 3D SW sensor kit (left and right, black)
10LZRFLATSCAN3D-SWBKU	LZR-FLATSCAN 3D SW sensor kit (left and right, black) + power supply
10LZRFLATSCAN3D-LBK	LZR-FLATSCAN 3D SW sensor kit (left, black)
10LZRFLATSCAN3D-RBK	LZR-FLATSCAN 3D SW sensor kit (right, black)
10LZRFLATSCAN3D-LB	LZR-FLATSCAN 3D SW sensor (left, black)
10LZRFLATSCAN3D-RB	LZR-FLATSCAN 3D SW sensor (right, black)
10LZRFLATSCANGDA	LZR-FLATSCAN glass door accessory
35.0287	LZR-FLATSCAN 3D SW replacement cover (left, black)
35.0288	LZR-FLATSCAN 3D SW replacement cover (right, black)
70.5753	LZR-FLATSCAN spacer (black)
20.5433	LZR-FLATSCAN 3D SW control harness
35.1329	LZR-FLATSCAN primary/secondary harness
70.5745	Sentrex retrofit accessory

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LZR®-H100

LASER SCANNER FOR GATE AND BARRIER APPLICATIONS



Dual Relay Activation
Two relays allow for activation via motion or presence

Effective Alternative to Loop Detectors
Ideal for applications where cutting ground for loops is prohibited, impossible, or expensive

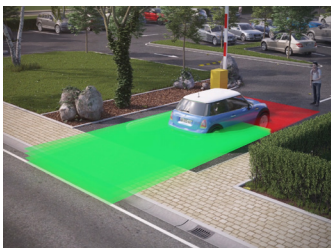
Reliable and Constant Detection
Time-of-Flight, presence based, opto-electronic sensor ensures accurate and immediate detection

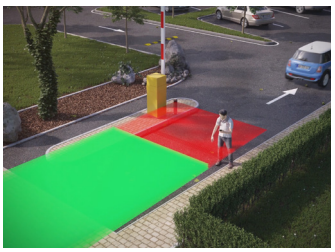
Trajectory Detection
Ability to detect vehicle trajectory during approach and departure

Pedestrian Traffic Rejection
Ability to detect or ignore pedestrian traffic

Large Detection Field
Maximum detection field of 32 ft by 32 ft (9 ¾ m by 9 ¾ m)

Ease of Installation
Teach-in setup via walk path or remote control configuration







TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Motion and presence
Max. Detection Range	32′ × 32′ (9 ¾ m)
Min. Detection Field (safety)	1′8″ (⅕ m)″
Remission Factor	> 2%
Angular Resolution	0.3516°
Emission Characteristics	
IR LASER	Wavelength 905 nm; output power 0.10mW (CLASS 1)
Red Visible LASER	Wavelength 635 nm; output power 0.95mW (CLASS 2)
Supply Voltage	10 – 35 VDC at sensor terminal
Peak Current at Power-On	1.8 A (max. 80 ms at 35 V)
Power Consumption	< 5 W
Response Time	
Motion Detection	typ. 200 ms (adjustable)
Presence Detection	typ. 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)
Switching Time	t^{ON} = 5 ms; t^{OFF} = 5 ms
Output Resistance	typ 30 Ω
Voltage Drop on Output	< 0.7 V at 20 mA
LED Activity	
Blue	Power–on
Orange	Error status
Red/Green (x2)	Detection / Output Status (green = no detection, red = detection)
Dimensions	3 ⅝″ (W) × 2 ¾″ (H) × 5″ (D) mounting bracket: + ½″
Cable Length	33′
Materials	PC, ASA
Color	Black
Rotation Angle on Bracket	±5° (lockable)
Tilt Angle on Bracket	±3°
Degree of Protection	NEMA 4 / IP65
Temperature Range	-22 – 140 °F (-30 – 60 °C) powered 14 – 140 °F (-10 – 60 °C) unpowered
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
Pollution on Front Screens	max. 30%; homogenous
Norm Conformity	2006 / 95 / EC: LVD 2004 / 108 / EC: EMC IEC 60825-1:2007 IEC 61000-6-2:2005 2002 / 95 / EC: RoHS IEC 60529:2001 IEC 60950-1:2005 IEC 61000-6-3:2006

PRODUCT SERIES

10LZRH100	LASER scanner with highly precise detection zone
10LBA	LZR mounting bracket accessory
10PSMDR2024	DIN rail power supply, 100 – 240 VAC / 24 VDC
10REMOTE	Universal remote control for sensor setup

LZR®-I30

LASER SCANNER FOR INDUSTRIAL AUTOMATION



3-Dimensional Safety Zone
Four curtains of detection each capable of 360 in by 360 in (30 ft by 30 ft)

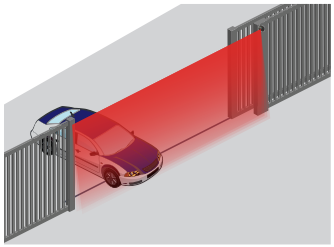
Energy Savings
Has the ability to ignore dynamic ground conditions and extreme weather

Highly Accurate Detections
Detects objects as small as 2 inches at 30 feet away, depending on application

Easily Adjustable
Three visible LEDs for pattern alignment







TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Motion and presence (EN 12453 Typ. E)
Max. Detection Range	30' x 30'
Remission Factor	> 2%
Emission Characteristics	
IR LASER	Wavelength 905 nm; output power 0.10mW (CLASS 1)
Red Visible LASER	Wavelength 635 nm; output power 0.95mW (CLASS 2)
Supply Voltage	10 – 35 VDC at sensor terminal (to be operated from SELV compatible power supplies only)
Peak Current at Power-On	1.8 A (max. 80 ms at 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 Activity	
Blue	Power–on
Orange	Error status
Red/Green (x2)	Detection / Output Status (green = no detection, red = detection)
Dimensions	
Housing	5" (W) x 2 ¾"(H) x 3 ⅔ (D)
10LBA	Adds 1 1/20"
Cable Length	30'
Materials	PC, ASA
Color	Black
Rotation Angle on Bracket	±5° (lockable)
Tilt Angle on Bracket	±3°
Degree of Protection	NEMA 4 / IP65
Temperature Range	-22 – 140 °F if powered 14 – 140 °F if unpowered
Humidity	0 – 95% non-condensing
Vibrations	< 2 G

Pollution on Front Screens	Max. 30%; homogenous	
Test Body Dimensions	700 mm x 300 mm x 200 mm (28" x 12" x 8")	
Norm Conformity	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

PRODUCT SERIES

10LZRI30	LASER scanner with highly precise detection zone
10LBA	LZR mounting bracket accessory
10INDBRACKET	Industrial mounting bracket
10MINIBRACKET	Short, adjustable mounting bracket
10REMOTE	Universal remote control for sensor setup
10PSMDR2024	DIN rail power supply, 100 – 240 VAC / 24 VDC
10PS12-24	UL / ULC Listed power supply
10PSVR5T	Voltage regulator, 24 VAC / 24 VDC
35.1242	8-conductor cable (30')

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LZR®-MICROSCAN T

STAND-ALONE, DOOR-MOUNTED, SWING-DOOR, SAFETY SYSTEM



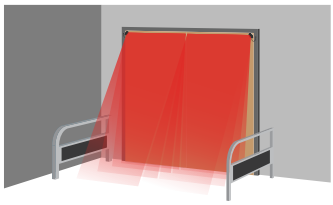
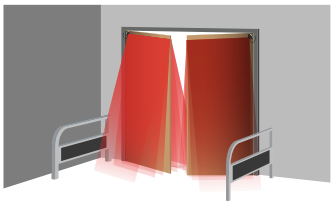
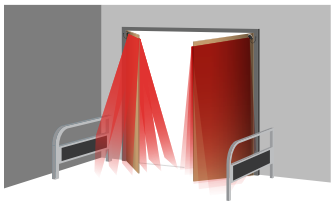
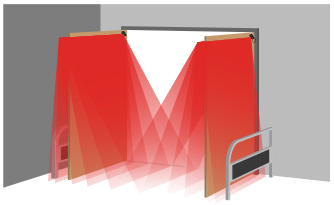
Easy to Install
Plug-and-play technology utilizing a centralized hub and intuitive LCD interface greatly reduces installation and setup time

Highly Accurate Detection
High resolution, self-adapting detection zones, coupled with reduced uncovered zones create the most accurate and reliable safety sensor

Built-in Troubleshooting
On-board error log ensures easy technical support

Standards Compliant
Fully monitored internally, capable of external monitoring

UL10B/C Listed
Fire-rated for up to three hours

TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Presence
Min. / Max. Door Width	20 – 48″ (measured from leading edge to sensor LED)
Mounting Height	75 – 98″ (measured from finished floor to sensor LED)
Remission Factor	> 2%
Angular Resolution	2.56°
Testbody	28" (H) × 12" (W) × 8" (D)
Emission Characteristics IR LASER	Wavelength 905 nm; maximum output pulse power 35 W (Class I)
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
Test Rating	2 optocouplers (galvanic isolated - polarity free) 12 – 30 VDC, max. 15 W
Temperature Range	-13 – 121 °F (-25 – 55 °C)
Degree of Protection	Hub: IP20 / NEMA 1 Sensor: IP53 / NEMA 3
Humidity	0 – 95%, non-condensing
Vibrations	< 2 G
Materials	PC, ASA
Norm Conformity	EN 60825-1-Eye-safety class 1 IR LASER (905 nm) UL10B/C Fire Rated 3 hrs (file #R39071)
Mounting Angle (rotational)	35° fixed
Tilt Angle	0 – 5° (for angles less than 5°, contact Technical Support)
Pollution on Front Screens	Maximum 30%, homogenous

PRODUCT SERIES

10LZRMICROSCAN1T	Single door kit (1) left sensor, (1) right sensor, (1) hub, (1) primary harness, (1) secondary harness, (1) door control harness, (1) home switch, (1) door loop / cap kit, (1) sensor spacer
10LZRMICROSCAN1UT	(1) 10LZRMICROSCAN1T (1) 10LZRMICROSCAN-UKIT
10LZRMICROSCAN2T	Pair/Dual-egress door kit (2) left sensors, (2) right sensors, (1) hub, (2) primary harnesses, (2) secondary harnesses, (2) door control harnesses, (2) home switches, (2) door loops / cap kits, (2) sensor spacers
10LZRMICROSCAN2UT	(1) 10LZRMICROSCAN2T (1) 10LZRMICROSCAN-UKIT
10MICROSCAN-UKIT	Universal accessory kit converts Single door kit and Pair/Dual-egress door kit into 10MICROSCAN1UT and 10MICROSCAN2UT (1) power supply (1) ON / OFF / HOLD OPEN switch

OPTIONAL MOUNTING KITS

10MICROSCANMOUNT	Center-pivot door mounting kit includes: (1) Left mounting arm (1) Right mounting arm
10MICROSCAN-Y	Glass/Fire door mounting kit includes: (1) 20.5319 - 20″ secondary harness (1) 20.5320 - "Y" cable LZR-MICROSCAN-T hub to LZR-MICROSCAN-T harness (1) 70.0202 - 26″ standard door cord loop (1) 55.0001 - Door loop end cap for door frame



LZR®-MICROSCAN T

STAND-ALONE, DOOR-MOUNTED, SWING DOOR, SAFETY SYSTEM

REPLACEMENT COMPONENTS

10LZRMICROLEFTT	Left LZR-MICROSCAN T sensor
10LZRMICRORIGHTT	Right LZR-MICROSCAN T sensor
10LZRMICROSCANHUBT	LZR-MICROSCAN T hub
10DOORSWITCH	Universal Kit ON / OFF / HOLD OPEN switch
20.5095	Power supply harness
20.5096	EAGLE harness for LZR-MICROSCAN T
20.5222	Door control harness
20.5304	System harness
20.5310	ON / OFF / HOLD OPEN switch jumper
20.5319	Secondary harness for 10MICROSCANMOUNT (20")
20.5320	"Y" cable LZR-MICROSCAN-T hub to LZR-MICROSCAN-T harness
20.5322	LZR-MICROSCAN T plug-n-play harness for Horton 4190
20.5347	Hub to LZR-MICROSCAN T harness (30')
30.5558	Universal kit power supply
30.5580	2-wire switch
35.1326	Primary sensor harness
35.1327	Secondary sensor harness
41.7922	Left pass-through LZR-MICROSCAN T sensor end cap
41.7923	Right pass-through LZR-MICROSCAN T 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" standard door cord loop
70.5554	LZR-MICROSCAN T sensor spacer
70.5745	Sentrex retrofit accessory
35.1321	LZR-MICROSCAN T replacement cover

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LZR®-S600

LASER SCANNER FOR BUILDING AUTOMATION AND SECURITY



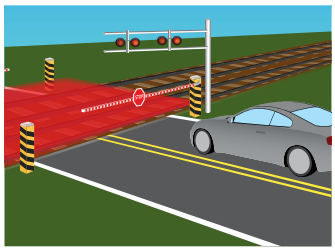
BEA's Largest Detection Field
Maximum detection range of 82 ft by 82 ft

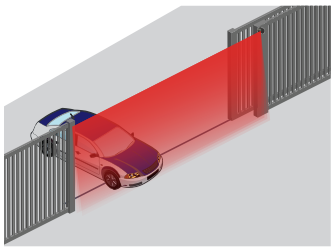
Reduce False Detections
High immunity to environmental interferences

Safe and Reliable
External, entrapment protection device capable of monitoring with interfaces building management systems

Eliminates False Detections
Has the ability to ignore dynamic ground conditions and extreme weather









TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	motion and presence
Detection Range	Default: 33' x 33' at 2% remission factor (max. 82' x 82')
Angular Resolution	0.3516°
Min. Detected Object Size (typ.)	0.8 in at 10' 1.4 in at 16' 2.8 in at 33' 6.9 in at 82'
Emission Characteristics	
IR LASER Red visible LASER	wavelength 905 nm; output power 0.10mW (CLASS 1) wavelength 635 nm; output power 0.95mW (CLASS 2)
Supply Voltage	10 – 35 VDC at sensor side
Power Consumption	< 5 W
Peak Current at Power-on	1.8 A (max. 80 ms at 35 V)
Cable Length	33'
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)
Switching time	t_{ON} = 5 ms; t_{OFF} = 5 ms
Output resistance	typ 30 Ω
Voltage drop on output	< 0.7 V at 20 mA
Leakage current	< 10 µA
Input	2 optocouplers (galvanic-isolated – polarity-free)
Max. contact voltage	30 VDC (over-voltage protected)
Voltage threshold	Log. Active High: > 8 VDC Log. Active Low: < 3 VDC
Response Time Monitoring Input	< 5 ms
LED Activity	
Blue	Power–on
Orange	Error status
Red/Green (x2)	Detection / Output Status (green = no detection, red = detection)
Dimensions	3 ⅝"x 2 ¾"x 5" (W x H x D) mounting bracket: + ½"

Material	PC/ASA
Color	Black
Mounting Angles on Bracket	-45°, 0°, 45°
Rotation Angles on Bracket	-5 – 5° (lockable)
Tilt Angles on Bracket	-3 – 3°
Protection Degree	NEMA 4 / IP65
Temperature Range	powered: -22 – 140 °F (-30 – 60 °C) unpowered: 14 – 140 °F (-10 – 60 °C)
Humidity	0 – 95% non-condensing
Vibrations	< 2G
Pollution on Front Screen	max. 30%, homogenous
Norm Conformity	2006/95/EC: LVD; 2002/95/EC: RoHS; 2004/108/EC: EMC; IEC 60529:2001; IEC 60825-1:2007; IEC 60950-1:2005; IEC 61000-6-2:2005; IEC 61000-6-3:2006

PRODUCT SERIES

10LZRS600	Presence detection for building automation and security
10LBA	LZR mounting bracket accessory
10INDBRACKET	Industrial mounting bracket
10MINIBRACKET	Short, adjustable mounting bracket
10REMOTE	Universal remote control for sensor setup
10PSMDR2024	DIN rail power supply, 100 – 240 VAC / 24 VDC
10PS12-24	UL / ULC Listed power supply
10PSVR5T	Voltage regulator, 24 VAC / 24 VDC
35.1242	8-conductor cable (30')

MICROCELL ONE

PHOTO BEAMS FOR PEDESTRIAN, AUTOMATIC DOORS



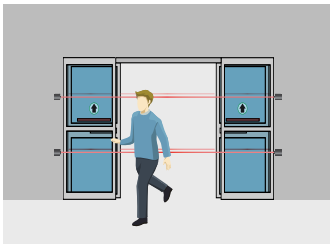
Enhanced Safety on Pedestrian Doors
Easy installation on all types of pedestrian doors

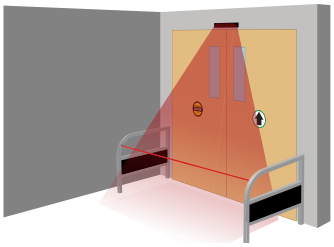
User-Friendly Setup
LED indicators assist in setting up alignment

Standard Compliant
Can be mounted as low as 12 inches from the floor

Ideal for Wide Doors
Maximum range of detection of 15 feet with an 8° alignment tolerance

Compatible with BEA's BODYGUARD-T
Capable of meeting ANSI 156.10 standard for swing-door safety when paired with BEA's BODYGUARD-T





TECHNICAL SPECIFICATIONS

Technology	Active infrared
Detection Mode	Presence (beam interruption)
Min. Mounting Height	12" from floor
Min. Distance Between Beams	12" (crossed beams)
Min. Range of Detection	3'
Max. Range of Detection	15'
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 Voltage	50 VAC/VDC
Max. Contact Current	1 A
Max. Switching Power	30 W (DC) / 60 VA (AC)
Operating Temperature	-30 – 131 °F
Immunity	
Sunlight	75,000 lux
Incandescent Lamp	25,000 lux at 8° angle
Electromagnetic Compatibility	According to 89 / 336 EEC
Dimensions	
Head Body	< 15⁄32" (L embed) × 15⁄32" (ø)
Head Harness	5⁄8" (ø)
Control Board	3 1⁄33" (W) × 1 2⁄25" (H) × 2 1⁄33" (D)
Cable Length	18' (standard) 32' (optional)
Material	ABS
Degree Of Protection	NEMA 4 / IP65 (beam heads)

PRODUCT SERIES

10MICROCELL1S	Single safety beam with control box (18' cable)
10MICROCELL1SL	Single safety beam with control box (32' cable)
10MICROCELL1D	Double safety beam with control box (18' cable)
10MICROCELL1DL	Double safety beam with control box (32' cable)
10MICROCELLADAPTER	Wiring kit to retrofit BEA MICROCELL beams where Optex beams are currently installed ***Must order with part number 03.0109 and the 10MICROCONTROL***
10MICROCONTROL	MICROCELL control box
10MICRO1SADAPT	MICROCELL single beam adapter kit allows for MICROCELL beams to replace Optex beams without running a new cable (1) set of MICROCELL emitter and receiver heads, (1) 10MICROCELLADAPTER, (1) 10MICROCONTROL
10MICRO1DADAPT	MICROCELL double beam adapter kit allows for MICROCELL beams to replace Optex beams without running a new cable (2) sets of MICROCELL emitters and receiver heads, (2) 10MICROCELLADAPTER, (1) 10MICROCONTROL
03.0109	3" Emitter and 3" Receiver (ordered as a set)
20.0045	Jamb cap kit with screws
20.0055	Emitter and Receiver set (32' cable)
20.0056	Emitter and Receiver set (18' cable)

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R2E-100

FOCUSED ACTIVE INFRARED, REQUEST-TO-EXIT SENSOR



Standards Compliant
UL294 and ULCS319 Listed

Define Your Tilt Angle
Adjustable tilt angle from zero to 10°

Customizable Detection Zones
Adjustable detection range from 20 to 48 inches

Low-Profile Mounting
Low-profile sensor mounts on or above the door frame

Multiple Inputs
Three DRY auxiliary inputs: a push button or other request-to-exit device, a card reader or other request-to-enter device, and a door position switch





TECHNICAL SPECIFICATIONS

Detector Type	Focused, active infrared
Supply Voltage	12 – 24 VAC/VDC; ±10% at 60 Hz
Current	
Sounder OFF	155 mA
Sounder MAX VOLUME	200 mA
Temperature (UL Install)	32 – 120 °F (0 – 49 °C)
Temperature	-20 – 120 °F (-29 – 49 °C)
Humidity	
(ULCS319 Installation)	0 – 93% non-condensing
(UL294 Installation)	0 – 85% non-condensing
Detection Range*	20 – 48”, adjustable via potentiometer
Relay	2 Form “C” contact sets; 1.3 A at 24 VAC / 30 VDC
Relay Hold Time	0.5 – 60 s, adjustable via potentiometer
Sounder	85 dB max, adjustable volume
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 7⁄10” (W) × 1 7⁄10” (D) × 2” (H)
Materials	ABS, PC
Wiring Interface	JST (14-pin) with 4’ cable
Norm Conformity	UL294, ULCS319 FCC Part 15 B

* R2E-100 can accommodate swing doors up to 7 feet high.

PRODUCT SERIES

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



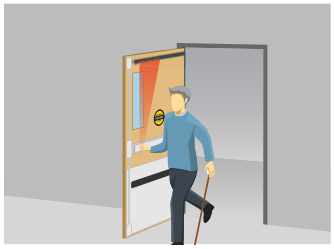
Fit to the Application
Housing available up to 102 inches in length; can be field cut to desired door width

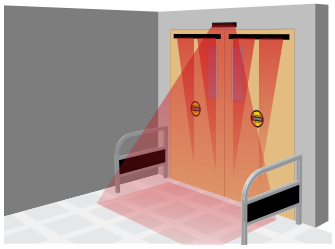
ANSI Compliant
Capable of meeting ANSI 156.10 standard for swing-door safety when coupled with BEA's BODYGUARD-T

Functional Design
Designed to mount at the top of the door to reduce accidental damage

Customizable
Can be set to background analysis mode to reduce the chance of false detection from faulty environmental situations

Standards Compliant
Capable of external monitoring









TECHNICAL SPECIFICATIONS

Technology	Active infrared with background suppression
Detection Mode	Presence
Measurement of Distance	Triangulation
Power Supply	12 – 24 VAC/VDC ±10%
Output Interface; Relay	Relay – max. contact rating: 1A at 30 V (resistive)
Detection Range	0 – 8′
Distance Adjustment	2 – 8′ (rotating cam with linear adjustment)
Max. Mounting Height	8′
Detection Signal Duration	Infinite presence detection
Detection Time	< 50 ms
Output Hold Time	Potentiometer range: 0.1 – 4.5 s
Operating Temperature Range	-30 – 140 °F
PCB Dimensions	
Primary	10.91″ (W) × 1.5″ (H)
Secondary	8.75″ (W) × 1.5″ (H)
Connector to Door Controller	8-position screw terminal on Primary PCB
Primary-to-Secondary Connection	Flat-ribbon cable with connectors and key lock
Max. Number of Secondaries	8
Functions Selection	Detection mode: NO or NC Normal mode or Background Analysis mode

PRODUCT SERIES

See page 34...

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SUPERSCAN-T INDUSTRIAL

ACTIVE INFRARED, SAFETY SENSOR



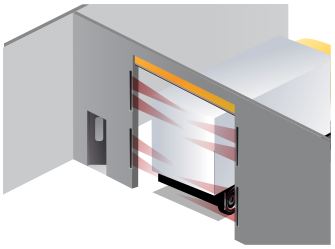
Fit to the Application
Housing available up to 96 inches; can be field-cut to desired door width

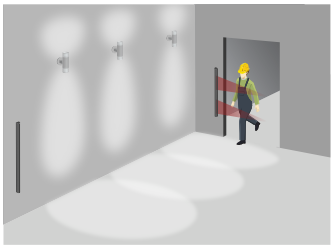
User-Defined Detection Zones
Detection zone of 24 to 96 inches

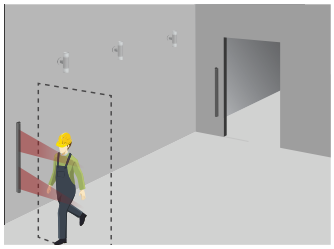
Adjustable Detection Zone
Can be set to background analysis mode to reduce the change of false detection from faulty environmental situations

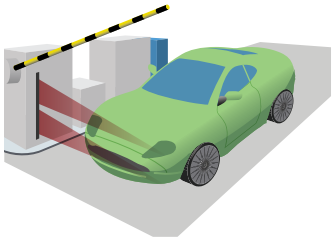
Customizable Hold Time
Relay hold time can be adjusted from 0.1 to 4.5 seconds

Standards Compliant
Capable of external monitoring









TECHNICAL SPECIFICATIONS

Technology	Active infrared with background suppression
Detection Mode	Presence
Measurement of Distance	Triangulation
Power Supply	12 – 24 VAC/VDC ±10%
Output Interface; Relay	Relay – max. contact rating: 1A at 30 V (resistive)
Detection Range	0 – 8′
Distance Adjustment	2 – 8′ (rotating cam with linear adjustment)
Max. Mounting Height	8′
Detection Signal Duration	Infinite presence detection
Detection Time	< 50 ms
Output Hold Time	Potentiometer range: 0.1 – 4.5 s
Operating Temperature Range	-30 – 140 °F
PCB Dimensions	
Primary	10.91″ (W) × 1.5″ (H)
Secondary	8.75″ (W) × 1.5″ (H)
Connector to Door Controller	8-position screw terminal on Primary PCB
Primary-to-Secondary Connection	Flat-ribbon cable with connectors and key lock
Max. Number of Secondaries	8
Functions Selection	Detection mode: NO or NC Normal mode or Background Analysis mode

PRODUCT SERIES

See page 34...

SUPERSCAN-T / INDUSTRIAL

ACTIVE INFRARED, SAFETY SENSOR



PRODUCT SERIES

10SSTI	1 Primary 34 ½" end cap to end cap (for 36" doors)
10SSTICUSTOM	1 Primary Custom Length (13" min.)
10SSTI40	1 Primary 40" end cap to end cap (for 42" doors)
10SSTI42	1 Primary 42" end cap to end cap (for 44" doors)
10SSTI48	1 Primary 48" end cap to end cap (for 50"+ doors)
10SSTII	1 Primary + 1 Secondary 34 ½" end cap to end cap (for 36" doors)
10SSTIICUSTOM	1 Primary + 1 Secondary Custom Length (24 ½" min.)
10SSTII40	1 Primary + 1 Secondary 40" end cap to end cap (for 42" doors)
10SSTII42	1 Primary + 1 Secondary 42" end cap to end cap (for 44" doors)
10SSTII44	1 Primary + 1 Secondary 44" end cap to end cap (for 46" doors)
10SSTII48	1 Primary + 1 Secondary 48" end cap to end cap (for 50"+ doors)
10SSTIII	1 Primary + 2 Secondaries 34 ½" end cap to end cap (for 36" doors)
10SSTIIICUSTOM	1 Primary + 2 Secondaries Custom Length (34 ½" min.)
10SSTIVCUSTOM	1 Primary + 3 Secondaries Custom Length (46 ½" min.)
10SSTSECONDARY	SUPERSCAN-T secondary unit (no housing) *includes ribbon connector*
10SSTPRIMARY	SUPERSCAN-T primary unit (no housing)
10SSQD	Quick disconnect for SUPERSCAN-T *one needed per door*
10GTSSHARN	SUPERSCAN-T / BODYGUARD-T Gyrotech relay harness
10HORTONSSHARN	SUPERSCAN-T / BODYGUARD-T relay harness for use with Horton Control

10SSHARDWARE	SUPERSCAN-T hardware kit *Includes cord sheath, jamb caps with screws, and end caps with screws*
10CAPKIT	(1) left + (1) right end caps and mounting screws
20.5137	Primary harness, 6-conductor cable cut to 108" (9')
30.0015	Ribbon connector cable connects primaries and secondaries
41.3879	Adjustable mounting clips for primary and secondary
55.0001	Door cord jamb cap and screw
70.0025	Aluminum housing, ordered per inch (stocked in 102" lengths)
70.0048	Aluminum housing cut to 38 ½" (for a 40" SUPERSCAN-T)
70.0049	Aluminum housing cut to 40 ½" (for a 42" SUPERSCAN-T)
70.0050	Aluminum housing cut to 46 ½" (for a 48" SUPERSCAN-T)
70.0138	Lens piece, ordered per inch (stocked in 102" lengths)
70.0202	Standard 26" SUPERSCAN-T door cord sheath, ordered per piece
70.0203	Lens piece cut to standard 33" lens (for a 34 ½" SUPERSCAN-T)
70.0304	SUPERSCAN-T hardware kit *Includes cord sheath and jamb caps with screws*
70.0319	Lens piece cut to 38 ½" (for a 40" SUPERSCAN-T)
70.0320	Lens piece cut to 40 ½" (for a 42" SUPERSCAN-T)
70.0321	Lens piece cut to 46 ½" (for a 48" SUPERSCAN-T)

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BEAMBOX

ACTIVE INFRARED, MOTION AND PRESENCE SENSOR

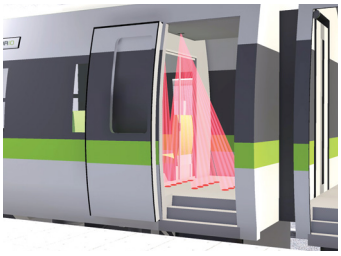


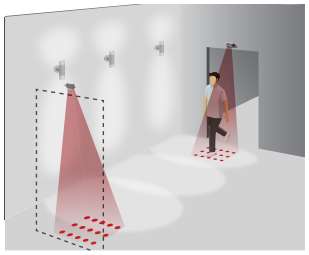
Off-Door Presence Detection
Three rows of five infrared spots ideal for unique off-door applications

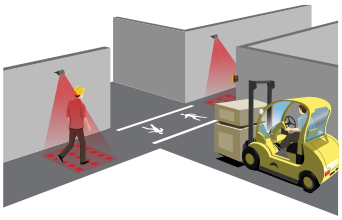
Multiple Preset Detection Zones
Four infrared immunity modes and nine unique preset patterns are available

Customizable to Your Application
Typical detection area of 3 ¼ by 3 ¼ feet when mounted at a height of 7 feet

Low-Profile Design
Recessed mounting for low-profile applications









TECHNICAL SPECIFICATIONS

Technology	Active infrared with background analysis
Detection Mode	Motion and presence
Optical Features	15 independent IR spots with a diameter of typ. 0.43"
Maximum Mounting Height	8 ⅓' (flush mounting)
Tilt Angles	0 – 20° vertical in steps of 5°
Detection Zone	3 ³⁄₁₀' (W) × 3 ⁹⁄₁₀' (D) at mounting height 6 ½' with tilt angle at 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 Voltage	42 VAC – 60 VDC
Max. Contact Current	1 A (resistive)
Max. Switching Power	30 W (DC) / 60 VA (AC)
Monitoring Input	Optocoupled (free of potential)
Input Voltage	10 – 24 VDC
Input Current	< 10 mA (at 24 V)
Connection (Sensor Side)	Unpluggable, integrated 7-pin connector
Hold Time	0.5 – 9 s (adjustable)
LEDs	Red and green
Mains Frequency	50 – 60 Hz
Temperature Range	-13 – 126 °F (operating); -22 – 140 °F (storage)
Degree of Protection	IP41
Dimensions	5 ½" (W) × 1 ½" (H) × 2 ⅕"
Weight	3 ½ oz
Enclosure Material	PC
Color	Black
Cable Length	8'

PRODUCT SERIES

10BEAMBOX	Uses a 3 × 5 matrix of infrared spots (15 total) where each can be individually activated *Monitoring capable*
10REMOTE	Universal remote control for sensor setup
10SPOTFINDER	Active-infrared-spot finder

LZR®-WIDESCAN



Easily configure sensor settings with the LZR-WIDESCAN mobile app. The mobile app provides a complete view of sensor settings, from field configurations to immunity.

GET IT ON Google Play

Download on the App Store

READ MORE ON PAGE 44

IS40 / XL

MOTION AND PRESENCE SENSORS FOR INDUSTRIAL DOORS



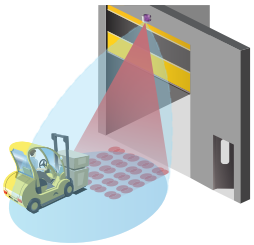
Energy Savings
Bidirectional, unidirectional approach, and unidirectional depart microwave detection options

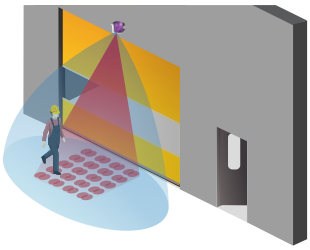
Adjustable Detection Settings
Six modes of detection filtering are available for microwave immunity, as well as pedestrian and parallel traffic rejection

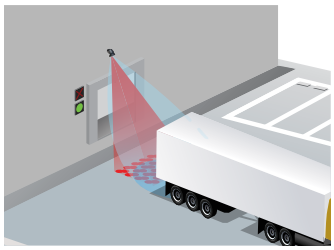
Customizable Patterns
Nine unique infrared patterns capable of highly flexible presence detection in any industrial environment

Reduce False Detections
Adjustable infrared immunity modes mitigate environmental disturbances such as subtle door vibrations, light, and sun

Programmable Via Remote
Remote control programming enables user to quickly and safely make changes from the ground (sold separately)







TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler radar	Active infrared
Detection Mode	Motion	Presence
LED Activity	Green (activation relay)	Red (presence relay)
Transmitter Frequency / Wavelength	24.150 GHz	875 nm
Transmitter Power Density	< 5mW / cm²	< 250 mW / m²
Max. Detection Field		
IS40	13′ × 16 ½′	10′ × 10′**
IS40XL	13′ × 6 ½′*	7 ½′ × 7 ½′***
Output Hold Time	0.5 – 9 s	0.5 s
Min. Detection Speed	2 in/s	0 in/s to activate detection
Tilt Angle	-8 – 22° (relative to sensor face)	15 – 45°
Mains Frequency	50 – 60 Hz	
Power Consumption	< 3.5 W	
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	8 – 16′	
IS40XL	6 ½ – 11 ½′	
Temperature Range	-22 – 140 °F	
Dimensions	3 ¾″ (W) × 4″ (H) × 5″ (L)	
Materials	ABS, PC	
Cable Length	32′	
Degree of Protection	NEMA 4 / IP65	
Norm Conformity	R&TTE: 1999 / 5 / EC EMC 2004 / 108 / EEC	

* Determines field size

** Measured at 30° / Field size 9 / Mounting Height: 16′, XL: 11 ½′

*** Zone detected with the SPOTFINDER (i.e. slightly larger than the effective detection field)

PRODUCT SERIES

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	Industrial mounting bracket
10MINIBRACKET	Short, adjustable mounting bracket
10SPOTFINDER	Active infrared spotfinder
10REMOTE	Universal remote control for sensor setup
35.1566	8-pin conductor cable (30′)

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IXIO-DT1

MOTION AND PRESENCE SENSOR FOR AUTOMATIC, SLIDING DOORS



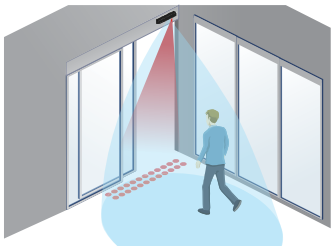
Energy Efficient
Ten microwave activation sensitivity settings and three infrared safety immunity settings

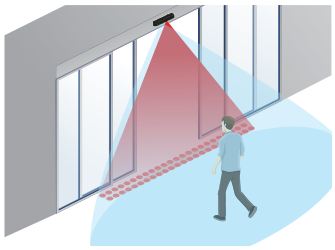
Precise Presence Detection
Two 24 spot, high density, infrared, safety curtains providing precise presence detection

Easily Adjustable
Four visible, red, alignment spots are projected on the ground to assist in precise IR curtain adjustment

Ease of Setup
Intelligent programming and troubleshooting via a menu-driven LCD

Standards Compliant
Fully monitored internally, capable of external monitoring







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 / cm²	N/A
Spot Size	N/A	2" × 2"
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 VAC/VDC
Max. Contact Current	1 A	400 mA
Hold Time	0.5 – 9 s (user adjustable)	0.3 – 1 s
Test Input		
Sensitivity	Low: < 1 V High: > 10 V (max. 30 V)	
Response time on test request:	< 5 ms (typical)	
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	6 ½ – 11 ½'	
Temperature Range*	-13 – 131 °F 0 – 95% relative humidity, non-condensing	
Degree of Protection	IP54	
Applicable Directives	R&TTE 1999 / 5 / EC LVD 2006 / 95 / EC MD 2006 / 42 / EC ROHS 2 2011 / 65 / EU	

Dimension	10 ⅜" (W) × 2 ¼" (H) × 2 ¼" (D)
Cable Length	10'
Norm Conformity	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

* LCD screen is operational from 14 to 131 °F. The sensor may still be programmed in colder temperatures, but with the remote control.

PRODUCT SERIES

10IXIODT1	Dual-technology sensor for sliding doors
10ICA	IXIO ceiling accessory
10IMB	IXIO bracket accessory
10IRA	IXIO rain accessory
10CDA	IXIO curved door accessory
10IXIOSPACER	IXIO spacer (black)
35.1345	IXIO replacement cover (black)
35.1302	IXIO replacement cover (white)
35.1303	IXIO replacement cover (silver)
10RETROFITSPACERKIT	Retrofit Spacer Kit - includes spacer, 2 ½" harness, and 9" harness
20.5349	Wire harness (10')
20.5359	Wire harness (30')
20.5302	Optex-to-IXIO conversion harness
70.0173	IXIO wide antenna
70.0182	IXIO narrow antenna
10MINIBRACKET	Short, adjustable mounting bracket
10REMOTE	Universal remote control for sensor setup

IXIO-DT1 INDUSTRIAL

MOTION AND PRESENCE SENSOR FOR INTERIOR, INDUSTRIAL DOORS



Energy Efficient
Ten microwave activation sensitivity settings and three infrared safety immunity settings

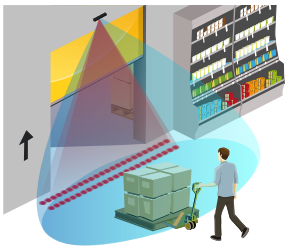
Enhanced Accessibility
PRM mode for applications frequently used by persons with reduced mobility (e.g. wheelchair or elderly traffic)

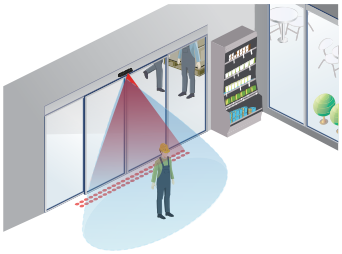
Precise Presence Detection
Two 24-spot, high-density, infrared safety curtains providing precise presence detection

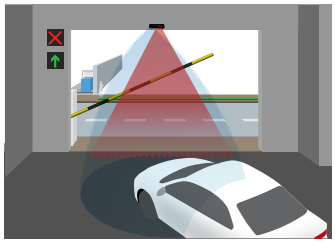
Easily Adjustable
Four visible, red, alignment spots are projected on the ground to assist in precise IR curtain adjustment

Ease of Setup
Intelligent programming and troubleshooting via a menu-driven LCD

Standards Compliant
Fully monitored internally, capable of external monitoring







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 / cm²	N/A
Spot Size	N/A	2" × 2"
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 VAC/VDC
Max. Contact Current	1 A	400 mA
Hold Time	0.5 – 9 s (user adjustable)	0.3 – 1 s
Test Input		
Sensitivity	Low: < 1 V; High: > 10 V (max. 30 V)	
Response time on test request:	< 5 ms (typical)	
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	6 ½ – 11 ½'	
Temperature Range*	-13 – 131 °F 0 – 95% relative humidity, non-condensing	
Degree of Protection	IP54	
Applicable Directives	R&TTE 1999 / 5 / EC LVD 2006 / 95 / EC MD 2006 / 42 / EC ROHS 2 2011 / 65 / EU	
Dimension	10 ⅗" (W) × 2 ¼" (H) × 2 ¼" (D)	
Cable Length	30'	
Norm Conformity	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	

* LCD screen is operational from 14 to 131 °F. The sensor may still be programmed in colder temperatures, but with the remote control.

PRODUCT SERIES

10IXIODT1INDUS	Dual-technology, industrial sensor utilizing microwave motion and active infrared presence sensor. *Includes 30' cable.*
10ICA	IXIO ceiling accessory
10IMB	IXIO bracket accessory
10IRA	IXIO rain accessory
10CDA	IXIO curved door accessory
10IXIOSPACER	IXIO spacer (black)
35.1345	IXIO replacement cover (black)
35.1302	IXIO replacement cover (white)
35.1303	IXIO replacement cover (silver)
10RETROFITSPACERKIT	Retrofit Spacer Kit - includes spacer, 2 ½" harness, and 9" harness
20.5349	Wire harness (10')
20.5359	Wire harness (30')
20.5302	Optex-to-IXIO conversion harness
70.0173	IXIO wide antenna
70.0182	IXIO narrow antenna
10MINIBRACKET	Short, adjustable mounting bracket
10REMOTE	Universal remote control for sensor setup

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IXIO-DT1V

MOTION AND PRESENCE SENSOR WITH CAMERA
FOR AUTOMATIC, SLIDING DOORS



Additional Camera Functionality
Provides an SDTV camera that shoots 30 frames of footage per second

Easily Integrates
Integrates with building surveillance systems

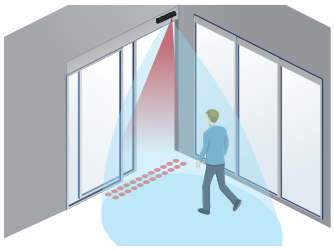
Upgrade IXIO In the Field
Video replacement kit available to upgrade any IXIO in the field

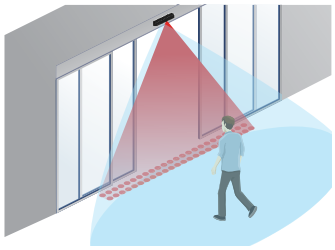
Energy Efficient
Ten microwave, activation sensitivity settings and three infrared safety immunity settings

Enhanced Accessibility
PRM mode for applications frequently used by persons with reduced mobility (e.g. wheelchair or elderly traffic)

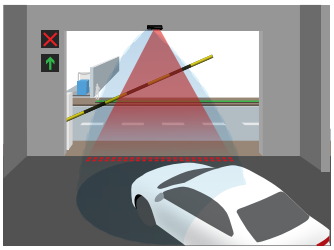
Precise Presence Detection
Two 24-spot, high-density, infrared safety curtains providing precise presence detection

Standards Compliant
Fully monitored internally, capable of external monitoring









TECHNICAL SPECIFICATIONS (SENSOR)

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 / cm²	N/A
Spot Size	N/A	2" × 2"
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 VAC/VDC
Max. Contact Current	1 A	400 mA
Hold Time	0.5 – 9 s (user adjustable)	0.3 – 1 s
Test Input		
Sensitivity	Low: < 1 V; High: > 10 V (max. 30 V)	
Response time on test request:	< 5 ms (typical)	
Supply Voltage*	12 – 24 VAC ±10%; 12 – 30 VDC ±10%	
Power Consumption	< 2.5 W	
Mounting Height	6 ½ – 11 ½′	
Temperature Range**	-13 – 131 °F 0 – 95% relative humidity, non-condensing	
Degree of Protection	IP54	
Norm Conformity	R&TTE 1999 / 5 / EC LVD 2006 / 95 / EC	MD 2006 / 42 / EC ROHS 2 2011 / 65 / EU
Dimension	10 ⅗" (W) × 2 ¼" (H) × 2 ¼" (D)	
Cable Length	10′	

* To be operated from SELV-compatible power supplies only

** LCD screen is operational from 14 to 131 °F. The sensor may still be programmed in colder temperatures, but with the remote control.

TECHNICAL SPECIFICATIONS (CAMERA)

Voltage Regulator	6.6 – 36 VDC ±10%, 6 – 28 VAC ±10%
Operating Temperature	-22 – 140 °F (max. RH: 95%)
Video Output	1.0 (Vp-p) / 75Ω
Image Sensor	CMOS
Horizontal Resolution	480 TVL
NTSC Output	720 (H) × 480 (W)
Sync System	Inter-Sync
Frame Rate	30 fps
Minimum Illumination	0.01 LUX
AE Control	Auto
Gain Control	Auto
Electronic Shutter	1 s ~ 1/10,000 s
S/N Ratio	> 50 dB
AWB	Auto

PRODUCT SERIES

10IXIODT1V	IXIO-DT1 with integrated video
10IMB	IXIO bracket accessory
10CDA	IXIO curved door accessory
10IXIOSPACER	IXIO spacer (black)
10.1279	IXIODT1V cover only and power supply harness
10RETROFITSPACERKIT	Retrofit Spacer Kit - includes spacer, 2 ½" harness, and 9" harness
20.5349	Wire harness (10′)
20.5359	Wire harness (30′)
20.2009	IXIO-DT1V camera harness and power supply (8')
70.0173	IXIO wide antenna
70.0182	IXIO narrow antenna
10MINIBRACKET	Short, adjustable mounting bracket
10REMOTE	Universal remote control for sensor setup

LOOKING OUT FOR YOU

ULTIMO

AUTOMATIC SLIDING DOOR SENSOR WITH EXTENDED / ENHANCED SAFETY



Extended Safety

Enhanced Safety

Easy Installation

Convenient Programming

Standards Compliant

READ MORE ON PAGE 45

LZR®-WIDESCAN

MOTION, PRESENCE, AND SAFETY SENSOR FOR INDUSTRIAL DOORS



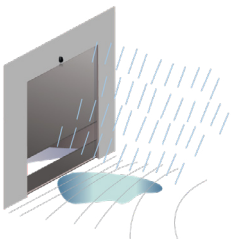
Easy Setup
Utilize mobile app to easily configure sensor settings (available on the Apple App Store and Google Play Store)

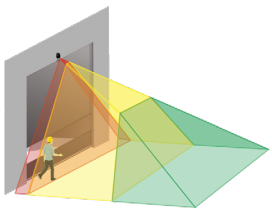
Energy Efficient
Promotes energy savings by reducing false detections and unnecessary door cycling, helping to regulate HVAC

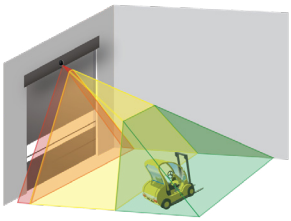
Virtual Pull Cord
Virtual pull-cord function can differentiate between pedestrian and vehicle traffic and can provide pulse-on-stop activation

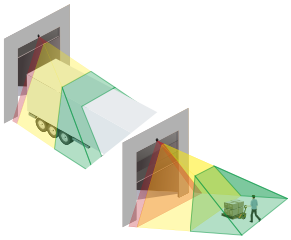
Alternative Solution
Ideal for replacing costly and labor-intensive induction loop and pull-cord solutions

Visible Spots
Two visible LASER alignment spots ensure accurate pattern placement









TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement (7 LASER curtains)
Detection Mode	Motion, presence, height, and speed
Max. Detection Field	
Width / Depth	1.2 x mounting height (adjustable depending on user settings)
Thickness of First Curtain	¼"
Typ. Mounting Height	6'6" – 32'
Typ. Minimum Object Size	6" at 19'6" (in proportion to object distance)
Test Body Dimensions	27 ½" × 11 ¾" × 7 ¾"
Min. Reflectivity Factor	> 2% (of floor and object) (measured at max. 19'6" in safety field)
Emission Characteristics	
IR LASER	Wavelength 905 nm; output power 0.10mW (CLASS 1)
Red Visible LASER	Wavelength 635 nm; output power 0.95mW (CLASS 2)
Supply Voltage	12 – 24 VAC -10/+20% 12 – 30 VDC ±10% at sensor terminal
Power Consumption	
Heating: Off	< 2.5 W
Heating: Eco or Auto	< 10 W, max 15 W
Response Time	Typ. 230 ms; max. 800 ms (depending on immunity settings)
Output	2 solid-state relays (galvanic isolation, polarity free) 24 VAC / 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/VDC (max. switching voltage) – 500 mA (max. switching current)
Input	30 VDC (max. switching voltage) low < 1 V high > 10 V (voltage threshold)

Bluetooth Communication	Operating bandwidth: 2402 - 2480 MHz Max. transmitted power: 12 dBm
LED Activity	
Tri-colored (x2)	Output status / Remote control response / Error signals
Blue	Bluetooth status
Dimensions	7 ¾" (H) × 6" (W) × 4" (D) (approx.)
Materials	PC, ASA
Color	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 – 140 °F
Norm Conformity	IEC 61000-6-2 IEC 61000-6-3 IEC 60950-1 IEC 60825-1 IEC 62061 SIL 2 ISO 13849-1 PI "d"/ CAT2

PRODUCT SERIES

10LZRWIDESCAN	Motion, presence, and safety sensor
10WBA	Universal mounting bracket
10WBAMOUNT	Universal mounting bracket plate
10INDBRACKET	Industrial mounting bracket **ADAPTER PLATE KIT (10.1311) IS REQUIRED**
10MINIBRACKET	Short, adjustable mounting bracket
10.1311	Adapter plate kit
35.1554	30' cable
35.1555	50' cable
41.8838	LZR-WIDESCAN replacement base
35.0245	LZR-WIDESCAN replacement cover
10PSMDR2024	DIN rail power supply, 100 – 240 VAC / 24 VDC
10REMOTE	Universal remote control for sensor setup

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ULTIMO

AUTOMATIC SLIDING DOOR SENSOR WITH
EXTENDED AND ENHANCED SAFETY



Enhanced Safety
Positioning the inner, infrared safety curtain through the threshold allows for sustained presence detection in the door opening

When directed through the threshold, the inner, infrared safety curtain provides presence detection while the door is fully open and partial detection during the closing door cycle

Easy Installation
Eight visible, red, alignment spots are projected onto the ground, verifying the location of the infrared curtains and helping to increase the accuracy of setup

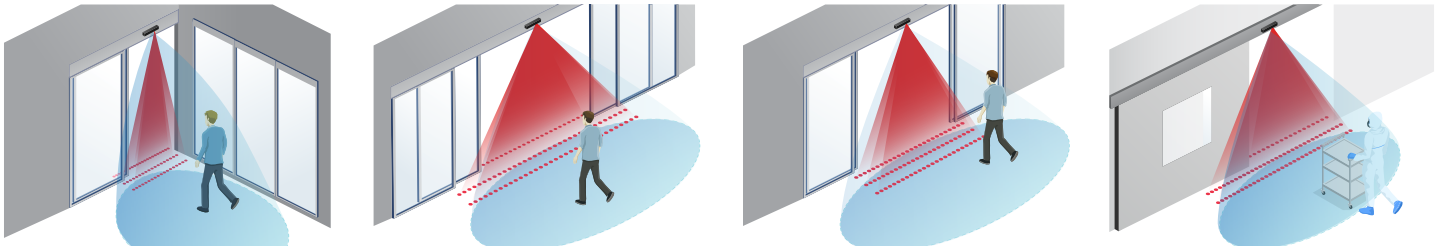
Sensors automatically synchronize infrared frequency with ULTI-SYNC functionality, streamlining installation and retrofit applications*

Convenient Programming
Easily define the microwave pattern shape, adjust the infrared curtain width, and review troubleshooting diagnostics via a menu-driven LCD

Extended Safety
Three infrared curtains offer deeper and broader safety coverage in front of the door panels

Standards Compliant
Fully monitored internally, capable of external monitoring complying with ANSI 156.10

** ULTI-SYNC is cross-compatible with BEA and other sliding door sensors on the market.*



TECHNICAL SPECIFICATIONS

Mounting Height	6'6" – 11'6"
Detection Mode	Motion and presence
Technology	Microwave Doppler radar and active infrared (AIR) with background analysis
Radar Detection Speed (min)	2 in/s
AIR Response Time (typ.)	< 200 ms (max. 500 ms)
Radar Transmitter	
Frequency	24.150 GHz
Radiated Power	< 20 dBM EIRP
Power Density	< 5 mW / cm²
Lobe Angles	0 – 45° (typical adjustment), default 25°
AIR Spots	
Size	2" × 2" (typ.)
Number of Spots	max. 32 per curtain
Number of Curtains	3
Curtain Angles	-3 – 11°, default 0°
Relay Output 1	Electro-mechanical-relay (potential and polarity free)
Max. Contact Voltage	30 VDC
Max. Contact Current	1 A
Hold Time	0.5 – 9 s
Optofet Output 2	Solid-state-relay (potential and polarity free)
Max. Contact Voltage	42 VAC/VDC
Max. Contact Current	400 mA
Hold Time	0.3 – 1 s
Test / Monitoring Input	
Sensitivity	Low: < 1 V; High: > 10 V (max. 30 V)
Response Time on Request	Typical: < 5 ms
Supply Voltage	12 – 24 VAC ±10% 12 – 30 VDC ±10%
Power Consumption	< 3.2 W
Temperature Range*	-13 – 131 °F 0 – 95% relative humidity, non-condensing
Cable Length / Gauge	10' / 26 AWG
Degree of Protection	IP54
Norm Conformity	R&TTE 1999 / 5 / EC MD 2006 / 42 / EC LVD 2006 / 95 / EC ROHS 2 2011 / 65 / EU

* LCD screen is operational from 14 to 131 °F. The sensor may still be programmed in colder temperatures, but with the remote control.

PRODUCT SERIES

10ULTIMO	Dual-technology sensor for sliding doors
10RETROFITSPACERKIT	Retrofit Spacer Kit - includes spacer, 2 ½" harness, and 9" harness
10ULTIMOSPACER	ULTIMO spacer
10URA	Universal rain accessory
10UMB	ULTIMO mounting bracket
10.1351	ULTIMO replacement cover
20.5349	ULTIMO replacement harness (10')
10REMOTE	Universal remote control for sensor setup

LZR®-U920 / U921

COMPACT, RAW DATA, LASER SCANNER



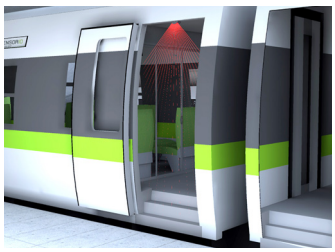
Background Independent
Background or substrate has limited effect on measurements

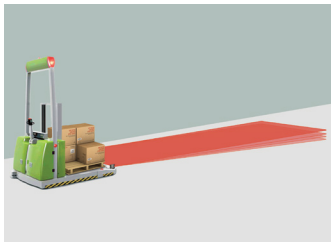
LASER-Based Measurements
Measurement range: up to 213 ft (65 m)

Uni-Directional or Bi-Directional
Standard RS485 bus communication (bi-directional)

Superior Object Recognition
No external illumination of target object necessary as compared to camera systems









TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Measurement Range	30' (10 m) at 2% remission factor 98' (30 m) at 10% remission factor 213' (65 m) max.
Number of Points/Plane	Max. 274
Number of Planes	
LZR®-U920	4
LZR®-U921	1
Angular Resolution	Max. 0.3516°
Angular Coverage	Max. 96°
Rotating Speed	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	460800 bit / sec (max. 921600 bit / sec)
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; output power 0.10mW (CLASS 1)
Visible LASER	Wavelength 635 nm; output power 0.95mW (CLASS 2)
Peak Current at Power-on	1.8 A (max. 80 ms at 35 V)
Supply Voltage	10 – 35 VDC at sensor side
Power Consumption	< 5 W
Cable Length	10′
LED Activity	
Blue	Power-on status
Orange	Error status
Bi-colored (x2)	Function status
Dimensions	5″ (W) × 2 ¾″ (H) × 3 ⅔″ (D)
Materials	PC, ASA
Color	Black

Degree of Protection	NEMA 4 / IP65
Temperature Range	-22 – 40 °F (-30 – 60 °C) if powered 14 – 140 °F (-10 – 60 °C) if unpowered
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
Norm Conformity	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

10LZRU920	Bidirectional, four-curtain sensor
10LZRU921	Bidirectional, one-curtain sensor
10PSMDR2024	DIN rail power supply, 100 – 240 VAC / 24 VDC
10PSVR5T	Voltage regulator, 24 VAC / 24 VDC

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LASER SCANNER FOR GATE & BARRIER APPLICATIONS

LZR®-H100



BEA's LZR®-H100 is a LASER-based Time-of-Flight sensor designed for gate and barrier applications. This solution provides four LASER-based curtains, offering a three dimensional detection zone for accurate object detection. Its detection curtains are highly-configurable and can be set up for activation and presence detection in vehicle sensing applications.

The LZR-H100 is an effective alternative to induction loops and is housed in an IP65 rated enclosure, further ensuring its performance in outdoor environments.

READ MORE ON PAGE 25

HIGH PRESICION PRESENCE

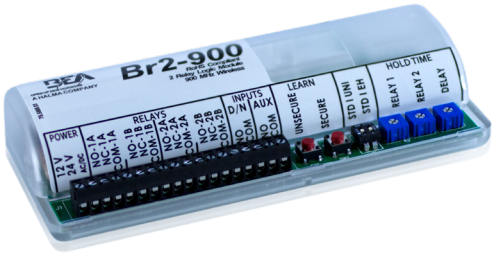
GROUND LOOP ALTERNATIVE

INDOOR / OUTDOOR INSTALLATION

TRAJECTORY DETECTION

BR2-900

2-RELAY, LOGIC MODULE + 900 MHz, WIRELESS TECHNOLOGY



Flexible
Sequenced or simultaneous relay activation for application flexibility

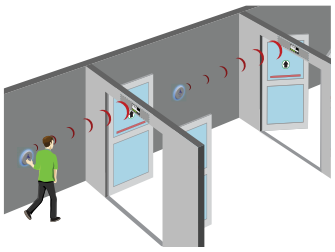
Convenient
2 AMP relays allow the direct release of an electric locking device wirelessly, eliminating the need for a separate logic module or isolation relay

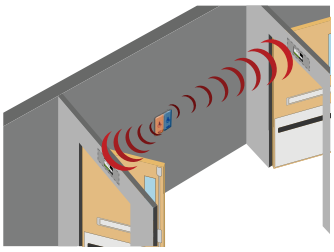
Feature Rich
Extended Hold Mode allows wireless push plates to function like hardwired push plates (if push plate is held, relay does not time out)

Saves Time and Money
Wireless functionality eliminates the need to run input wires directly to the logic module









TECHNICAL SPECIFICATIONS

Supply Voltage	12 – 24 VAC/VDC ±10%
Current Consumption	45 mA DC 75 mA AC
Frequency	908 – 918 MHz (frequency hooping)
Emitted Radio Power	-25 dBm (TX)
Power Consumption	0.5 – 1.5 W
Programmable Transmitters Per Receiver	75 (unlimited for 900 MHz Universal Transmitter)
Temperature Rating	-22 – 158 °F (-30 – 70 °C)
Input	
Day / Night (24 hr)	DRY contact
AUX	DRY contact
Contact Rating	
Relay 1 DPDT / Relay 2 DPDT	2 A at 30 VDC or 2 A at 24 VAC
LED Activity	
Blue	Relay 1 activation
White	Relay 2 activation
Red	Radio frequency / Learn
Tri-color	Signal strength
Certification	FCC, IC
Dimensions	5 ⅛" (W) × 1" (H) × 2 ⅕" (D)
Housing	ABS (white translucent)

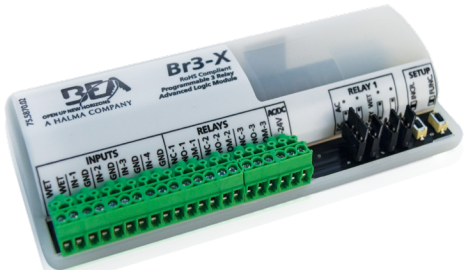
PRODUCT SERIES

10BR2-900	2-relay logic module
10TD900HH1	Handheld transmitter, 900 MHz, 1-button (3-volt battery)
10TD900HH2	Handheld transmitter, 900 MHz, 2-button (3-volt battery)
10TD900HH3	Handheld transmitter, 900 MHz, 3-button (3-volt battery)
10TD900HH4	Handheld transmitter, 900 MHz, 4-button (3-volt battery)
10TD900HH1U	Universal, 900 MHz transmitter
10T900PB	Wired, 900 MHz transmitter with flag connector (2 AAA batteries)
109TD900TR	900 MHz, touchless-retrofit transmitter

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BR3-X

PROGRAMMABLE, 3-RELAY, LOGIC MODULE

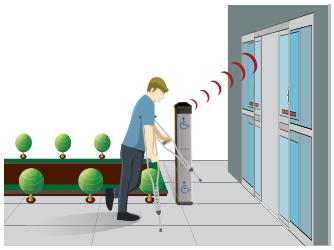


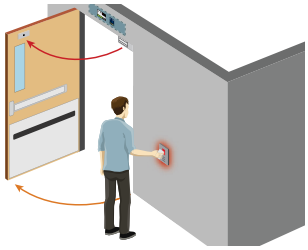
Integrated Relays
Two 3 AMP relays and one 1 AMP relay, all with built-in surge suppression, eliminate the need for external components when installing some electric locking devices

Customizable
Versatility with 13 programmable logic functions

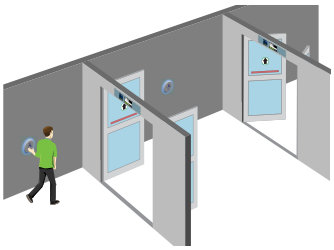
On-Board Power
WET output with AC/DC voltage for powering an electric locking device directly from the module

Intuitive Programming
Two-button programming combined with dual seven-segment display provides simple setup









TECHNICAL SPECIFICATIONS

Supply Voltage	12 – 24 VAC/VDC ±10%
Power Consumption	30 – 130 mA; DRY Output
Temperature Range*	-15 – 150 °F
Dimensions	5 ⅕" (W) × 1" (H) × 2 ⅕" (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
Input Specification	
Inputs 1, 2, 3, 4	DRY contact
WET Input	5 – 24 VAC/VDC ±10%
Contact Rating	
Relay 1 (DRY)	3 A at 24 VAC / 30 VDC
Relay 1 (WET)	1 A
Relay 2	3 A at 24 VAC / 30 VDC
Relay 3	1 A at 24 VAC / 30 VDC

* 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.

PRODUCT SERIES

10BR3X	Programmable 3-relay logic module offering 13 functions, including day/night mode and normally locked and normally unlocked restroom modes ***See page 94 for Restroom Kit and page 93 for Emergency Add-On Kit.***



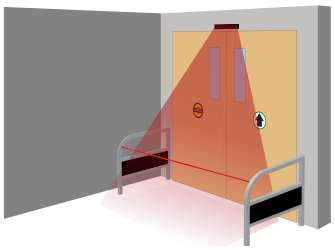
LOCK-OUT MODULES

SWING-DOOR LOGIC USED WITH OVERHEAD PRESENCE SENSORS

BODYGUARD-T Inhibition
Used to inhibit header-mounted safety sensors (BODYGUARD-T) while door is in closing cycle

Built-in Door Position Recognition
Analyzes motor voltage

Optional Safety Beam Input
To override inhibit signal during door closing



TECHNICAL SPECIFICATIONS

Power Supply	12 – 24 VAC / 15 – 24 VDC
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

10LO21	Lock-out relay
10LO21P	Universal lock-out relay for PARALLAX packages
15.0075	Harness for LO21 and LO21P

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MATRIX FAMILY

UL LISTED, LOOP DETECTORS



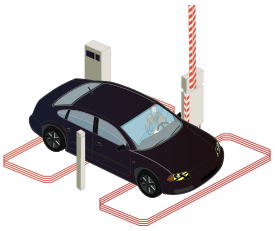
Two Loop Models Available
Available in single- or dual-loop models

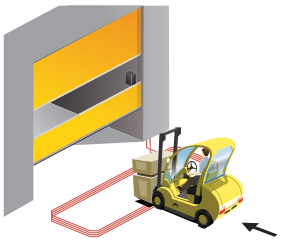
Dual Outputs
Two relay outputs

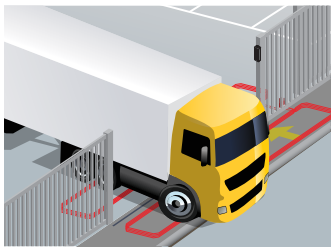
Vehicle Detection, Direction, and Counting
Ideal for vehicle directionality and sequencing applications

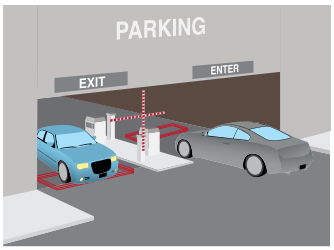
Easy to Adjust
Settings are adjusted via two ease-to-use potentiometers

Feature Rich
Pulse-on-entry and pulse-on-exit presence detection









TECHNICAL SPECIFICATIONS

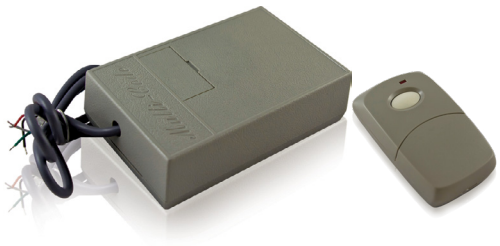
Tuning	Automatic
Connector	11-pin male (86CP11)
Presence Time	1 min – infinity
Pulse Time Output	100 ms or 500 ms
LED Activity	
Green	Power
Red	Loop Status 1 / Loop Status 2
Frequency Range	20 kHz – 130 kHz
Frequency Steps	
Single Loop	4
Double Loop	2 (for each loop)
Sensitivity (ΔL/L)	0.005 – 0.5%
Reaction 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 VAC/VDC ±10% 115 VAC ±10%
Power Frequency	48 – 62 Hz
Power Consumption	< 2.5 W
Temperature Range	-22 – 158 °F (-30 – 70 °C)
Protections	Loop insulation transformer Zener diodes Gas discharge clamping
Inductance Range	20 – 1000 µH
Connection	86CP11 (standard 11-pin, round)
Relay Outputs	2 (free potential change-over contact)
Max. Contact Voltage	230 VAC
Max. Contact Current	5 A (resistive)
Setup Time at Power On	
MATRIXD/S	8 s max by channel
MATRIXIIS	8 s max by channel
MATRIX-3S	1.6 s max by channel
MATRIX-3D	2.2 s max by channel
Norm Conformity	R&TTE: 1999 / 5 / EC EMC: 89 / 336 / EEC EMC: 89 / 336 / EE EMC: 2004 / 108 / EC FCC: 47 CFR 15 IC: RSS-210 ISSUE 5 UL Listed equipment for UL508
Degree of Protection	IP40
Weight	7 oz
Dimensions	1 ½" (W) × 3" (H) × 3" (D)

PRODUCT SERIES

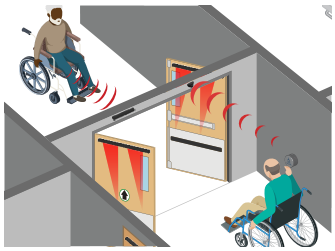
10MATRIXD110	Dual-loop detector (110 – 120 VAC)
10MATRIXD1224	Dual-loop detector (12 – 24 VAC)
10MATRIXIIS110	Single-loop detector (110 – 120 VAC)
10MATRIXIIS1224	Single-loop detector (12 – 24 VAC)
10MATRIX-3-D	Dual-loop detector (12 – 24 VAC) *socket NOT included*
10MATRIX-3-S	Single-loop detector (12 – 24 VAC) *socket NOT included*
10MATRIXHARN	MATRIX harness, 11-pin, 72" (6') length
10PSMDR2024	DIN rail power supply, 100 – 240 VAC / 24 VDC
10PSST242	Plug-in power supply
70.0262	11-pin, socket-based, DIN rail

300 MHz FAMILY

300 MHz, WIRELESS TRANSMITTERS AND RECEIVERS







TECHNICAL SPECIFICATIONS

Frequency	300 MHz
Radio Control Type	Analog
Input Voltage	24 VAC/VDC
Operating Temperature	14 – 131 °F (-10 – 55 °C)
Setup	10 DIP switch, access code programming
Power	
10T300HHX	(1) 9-volt battery
10T300KEYCHAIN	(1) 12-volt battery
10T300MINIPB	(1) 12-volt battery
10T300PB	(1) 9-volt battery
Receiver Dimensions	
Without Flange	4 9⁄10″ (L) × 3 1⁄5″ (W) × 1 2⁄5″ (H)
With Flange	5 2⁄5″ (L) × 3 1⁄5″ (W) × 1 2⁄5″ (H)
Norm Conformity	CE, FCC, IC

PRODUCT SERIES

10R300	300 MHz analog receiver
10T300HH	Handheld transmitter, 1-button (9-volt battery)
10T300HHDBL	Handheld transmitter, 2-button (9-volt battery)
10T300HH4	Handheld transmitter, 4-button (9-volt battery)
10T300KEYCHAIN	Keychain transmitter, 1-button (12-volt battery)
10T300MINIPB	Miniature, hardwired transmitter, 1-button (12-volt battery)
10T300PB	Wired transmitter, no case, with flag connectors (9-volt battery)
70.0260	Energizer battery, 12-volt
70.0261	Energizer battery, 9-volt

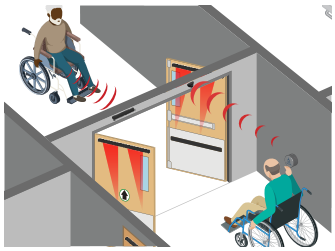
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433 MHz FAMILY

433 MHz, WIRELESS TRANSMITTERS AND RECEIVERS







TECHNICAL SPECIFICATIONS

Frequency	433 MHz
Radio Control Type	Digital
Emitted Radio Power	-28.7 dBm (transmitter)
Power Consumption	3mA (transmitter); 30mA (receiver)
Power	
Hardwire	1 9-volt or 3-volt battery
Handheld	1 3-volt battery
Input Voltage	12 – 24 VAC/VDC (receiver)
Contact Rating	1.0 A at 30 VDC 0.5 A at 125 VAC 0.3 A at 60 VDC
Operating Temperature	14 – 131 °F (-10 – 55 °C)
Capacity	100 programmed transmitters (per receiver)
LED Activity	
Red	Receiver/Transmitter learn
Blue	Relay activity
Dimensions	
Receiver	2 ⅛″ (W) x 1″ (H) x 2 ¾″ (D)
Transmitter	1 ⅜″ (W) x ⅗″ (H) x 2 ¾″ (D)
Norm Conformity	CE, FCC, IC

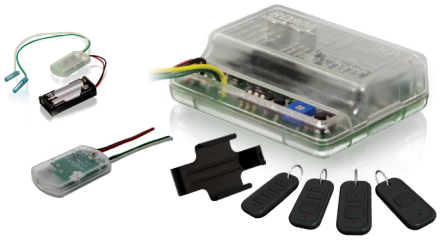
PRODUCT SERIES

10RD433	433 MHz analog receiver
10RD433EH	433 MHz analog receiver with extended hold time
10TD433HH1	Handheld transmitter, 433 MHz, 1-button (3-volt battery)
10TD433HH2	Handheld transmitter, 433 MHz, 2-button (3-volt battery)
10TD433HH3	Handheld transmitter, 433 MHz, 3-button (3-volt battery)
10TD433HH4	Handheld transmitter, 433 MHz, 4-button (3-volt battery)
10TD433PB3V	Wired, 433 MHz transmitter with flag connector (3-volt battery)
10TD433PB9V	Wired, 433 MHz transmitter with flag connectors (9-volt battery)
30.5124	Lithium coin battery, 3-volt
70.0261	Energizer battery, 9-volt

2022 BEA SENSING SOLUTIONS

900 MHZ FAMILY

LONG-RANGE, WIRELESS TRANSMITTERS AND RECEIVER



Signal Strength Indicator
Multi-color LEDs on receiver provide installer with visual notification of signal strength and activation status

Consistent Transmission
Frequency hopping allows consistent transmission in areas with other 900 MHz devices

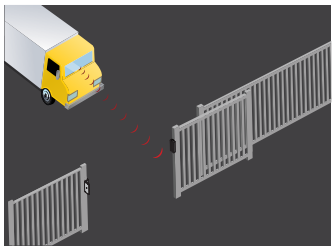
Enhances Accessibility
Offers a means of activation for those with limited mobility or disabilities

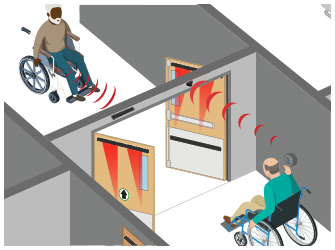
Variety of Accessories
1, 2, 3, and 4 button handheld transmitters provide flexibility where multiple receivers are used

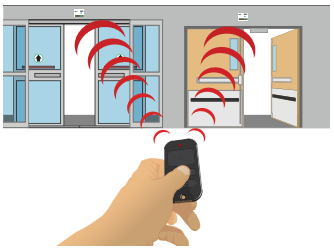
Extended Hold Functionality
Extended hold and toggle/pulse functionality is integrated for various application needs

Learn Modes
Delay and no-delay learn modes provide either instant or delayed activation for the sequencing of doors









TECHNICAL SPECIFICATIONS

Frequency	908 – 918 MHz (frequency hopping)	
Radio Control Type	Digital	
Power Consumption		
Standard	30mA (TX) / 40mA (RX)	
Industrial	13mA (TX) / 40mA (RX)	
Retrofit	22 mA	
Universal	30mA	
Supply Voltage	12 – 24 VAC/VDC	
Contact Rating	1.0 A at 30 VDC 0.3 A at 60 VDC 0.5 A at 125 VAC	
Operating Temperature	14 – 131 °F (-10 – 55 °C)	
Transmitter Capacity (per receiver)		
Programmable (std)	75	
Universal	Unlimited	
LED Activity	Receivers: Red = receiver learn Blue = relay activation Tri-color = signal strength	Transmitters: Red = transmitting Red Blinking = low battery
Dimensions		
Transmitter	Standard Handheld: 2 ¾" (W) x 1 $^{19}/_{50}$" (D) x $^{141}/_{25}$" (H) Standard Push-Plate Transmitter: 1 ¾" (W) x 1" (D) x $^{3}/_{10}$" (H) Industrial Handheld: 1 ½" (W) x 3" (D) x ½" (H) Retrofit: 1 $^{19}/_{25}$" (W) x 1 $^{3}/_{50}$" (D) x $^{8}/_{25}$" (H)	
Receiver	RD900: 2 ½" (W) x 2" (D) x ¾" (H)	
Norm Conformity	All: FCC, IC Industrial Handheld: IP65	

PRODUCT SERIES

10RD900	900 MHz receiver module
10TD900HH1	Handheld transmitter, 900 MHz, 1-button (3-volt battery)
10TD900HH2	Handheld transmitter, 900 MHz, 2-button (3-volt battery)
10TD900HH3	Handheld transmitter, 900 MHz, 3-button (3-volt battery)
10TD900HH4	Handheld transmitter, 900 MHz, 4-button (3-volt battery)
10TD900HH1U	Universal, 900 MHz transmitter
10TD900INDHH1	Handheld transmitter, 900 MHz, 1-button (NEMA 4 rated)
10TD900INDHH2	Handheld transmitter, 900 MHz, 2-button (NEMA 4 rated)
10TD900INDHH3	Handheld transmitter, 900 MHz, 3-button (NEMA 4 rated)
10TD900INDHH4	Handheld transmitter, 900 MHz, 4-button (NEMA 4 rated)
10T900PB	Wired, 900 MHz transmitter with flag connector (2 AAA batteries)
109TD900TR	900 MHz, touchless-retrofit transmitter
10BELTCLIP	Belt clip compatible with the industrial, handheld transmitters
30.5124	Lithium coin battery, 3-volt

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HANDS-FREE DOOR ACTIVATION

MAGIC SWITCH



GO TOUCHLESS AT WAVETOOPEN.COM

A healthcare practitioner has her hands full. A person with limited mobility might run into challenges with accessibility. And others rather not touch public surfaces. As we run from point A to point B, we often don't think about opening doors. That is until we have to. Let's worry less and make door activation easier by the wave of a hand.

BEA's MAGIC SWITCH® Family provides a highly accessible and germ-free door activation without physical contact. Reduce touchpoints in fast-paced environments that depend on sanitation and hands-free access like healthcare, retail, industrial and commercial settings.

READ MORE ON PAGES 64 – 68

HANDS-FREE ACTIVATION

DURABLE FACEPLATE

ADJUSTABLE DETECTION ZONE

ADJUSTABLE HOLD TIME

4 ½" ROUND AND SQUARE PUSH PLATES

STAINLESS STEEL ACTUATORS



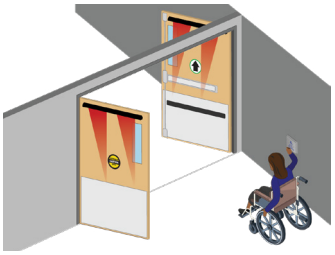
Robust Design
1/16 inch thick stainless steel for maximum durability

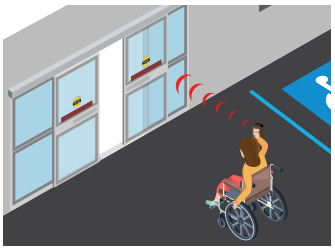
Vandal Resistant
Concealed fasteners to minimize vandalism

Available in Complete Kits
Complete kits available including plates, mounting boxes, and optional wireless devices for ease of ordering

Enhances Accessibility
ADA-compliant push plates are available in a variety of popular faceplate graphic options

Highly Compatible and Customizable
Compatible with both surface- and flush-mount boxes; various text, graphic, and logo options available







TECHNICAL SPECIFICATIONS

Faceplate Material	Stainless steel (16 gauge, 304 2B)
Backplate Material	Aluminum (⅛" thick)
Mounting Screws	Stainless steel, 6-32 × 1" and 8-32 × 1" Allen head size: 5/64
Cherry Switch	Single-pole, 1 A, COM/NO/NC, UL Recognized
Compatible Wireless Frequencies	900, 433, or 300 MHz
Dimensions	
Round	4 ½" (W) × 31/50" (D)
Square	4 ½" (W) × 4 ½" (H) × 31/50" (D)

PRODUCT SERIES

10PBR45	4 ½" round, stainless steel plate with blue "Push to Open" text
10PBR451	4 ½" round, stainless steel plate with blue accessibility logo and "Push to Open" text
10PBR4510	4 ½" round, stainless steel, plain plate
10PBR45LL	4 ½" round, stainless steel plate with blue accessibility logo
10PBS2GBLK	4 ½" square, stainless steel plate with black "Push to Open" text
10PBS45	4 ½" square, stainless steel plate with blue "Push to Open" text
10PBS451	4 ½" square, stainless steel plate with blue accessibility logo and "Push to Open" text
10PBS4510	4 ½" square, stainless steel, plain plate
10PBS45LL	4 ½" square, stainless steel plate with blue accessibility logo
10PBS45POD	4 ½" square, stainless steel plate with black "Press to Operate Door" text
10PBS45B	4 ½" square, stainless steel plate with white "Push to Open" text
10PBS451B	4 ½" square, stainless steel plate with white accessibility logo and "Push to Open" text
10PBS451AL	4 ½" square, stainless steel plate with alternative, blue accessibility logo

MOUNTING OPTIONS

10BOX45SQFM	Flush-mount box (4 ½" square)
10BOX45SQSM	Surface-mount box (4 ½" square)
10BOX45RNDFM	Flush-mount box (4 ½" round)
10BOX45RNDSM	Surface-mount box (4 ½" round)
10ESCUTCHEON45	Stainless steel mounting option, used in place of mounting box
10WRRND45	Weather ring (4 ½" round)

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4 ¾" SQUARE PUSH PLATES

STAINLESS STEEL ACTUATORS



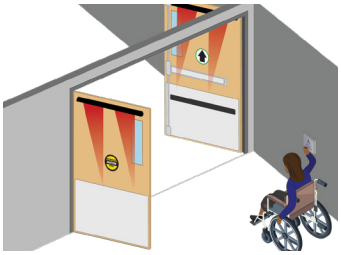
Robust Design
1/16 inch thick stainless steel for maximum durability

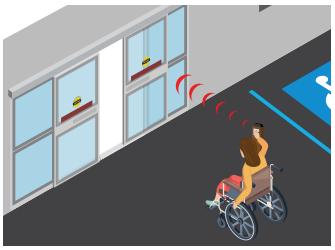
Vandal Resistant
Concealed fasteners to minimize vandalism

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Enhances Accessibility
ADA-compliant push plates are available in a variety of popular faceplate graphic options

Highly Compatible and Customizable
Compatible with both surface- and flush-mount boxes; various text, graphic, and logo options available







TECHNICAL SPECIFICATIONS

Faceplate Material	Stainless steel (16 gauge, 304 2B)
Backplate Material	Aluminum (⅛" thick)
Mounting Screws	Stainless steel, 6-32 × 1" and 8-32 × 1" Allen head size: 5/64
Cherry Switch	Single-pole, 1 A, COM/NO/NC, UL Recognized
Compatible Wireless Frequencies	900, 433, or 300 MHz

PRODUCT SERIES

10PBS	4 ¾" square, stainless steel plate with blue "Push to Open" text
10PBS1	4 ¾" square, stainless steel plate with blue accessibility logo and "Push to Open" text
10PBS10	4 ¾" square, stainless steel, plain plate
10PBSLL	4 ¾" square, stainless steel plate with blue accessibility logo
10PBSE	4 ¾" square, stainless steel plate with blue "Push to Exit" text
10PBS1B	4 ¾" square, stainless steel, blue plate with white accessibility logo and "Push to Open" text
10PBS1SB	4 ¾" square, stainless steel plate (BHMA finish 606, satin brass) with blue accessibility logo and "Push to Open" text
10PBS1BB	4 ¾" square, stainless steel plate (BHMA finish 605, bright brass) with blue accessibility logo and "Push to Open" text
10PBS1AL	4 ¾" square, stainless steel plate with alternative, blue accessibility logo
20.0044	Screw kit for all 4 ¾" square plates include: (2) #6 and (2) # 8 screws (2) flag connectors (1) hex key

MOUNTING OPTIONS

10BOX475SQSMEBA	Surface-mount box (4 ¾" square) with easy battery access
10BOX475SQFM	Flush-mount box (4 ¾" square)
10BOX475SQSM	Surface-mount box (4 ¾" square)
10WRSQ475	Weather ring (4 ¾" square)
10PBBRACKET	Surface-mount kit (6" round and 4 ¾" square)
10PBBRACKETCA	Surface-mount kit, clear anodized (6" round and 4 ¾" square)

6" ROUND AND SQUARE PUSH PLATES

STAINLESS STEEL ACTUATORS



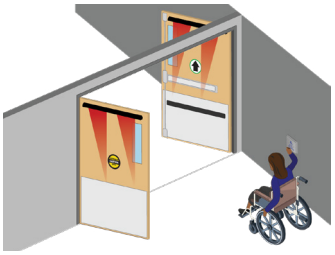
Robust Design
1/16 inch thick stainless steel for maximum durability

Vandal Resistant
Concealed fasteners to minimize vandalism

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TECHNICAL SPECIFICATIONS

Faceplate Material	Stainless steel (16 gauge, 304 2B)
Backplate Material	Aluminum (⅛" thick)
Mounting Screws	Stainless steel, 6-32 × 1" and 8-32 × 1" Allen head size: 5/64
Cherry Switch	Single-pole, 1 A, COM/NO/NC, UL Recognized
Compatible Wireless Frequencies	900, 433, or 300 MHz

PRODUCT SERIES

10PBR	6" round, stainless steel plate with blue "Push to Open" text
10PBR1	6" round, stainless steel plate with blue accessibility logo and "Push to Open" text
10PBR10	6" round, stainless steel, plain plate
10PBRLL	6" round, stainless steel plate with blue accessibility logo
10PBR1AL	6" round, stainless steel plate with alternative, blue accessibility logo
10PBS6	6" square, stainless steel plate with blue "Push to Open" text
10PBS61	6" square, stainless steel plate with blue accessibility logo and "Push to Open" text
10PBS610	6" square, stainless steel, plain plate
10PBS6LL	6" square, stainless steel plate with blue accessibility logo
20.0044	Screw kit for all 4 ¾" square plates include: (2) #6 and (2) # 8 screws (2) flag connectors (1) hex key

MOUNTING OPTIONS

10BOX6SQFM	Flush-mount box (6" square)
10BOX6SQSM	Surface-mount box (6" square)
10BOX6RNDFM	Flush-mount box (6" round)
10BOX6RNDSM	Surface-mount box (6" round)
10PBBRACKET	Surface-mount kit (6" round and 4 ¾" square)
10PBBRACKETCA	Surface-mount kit, clear anodized (6" round and 4 ¾" square)
10WRRND6	Weather ring (6" round)

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JAMB PUSH PLATES

STAINLESS STEEL ACTUATORS

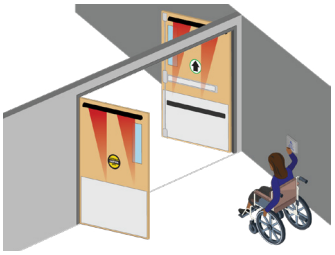
Robust Design
1/16 inch thick stainless steel for maximum durability

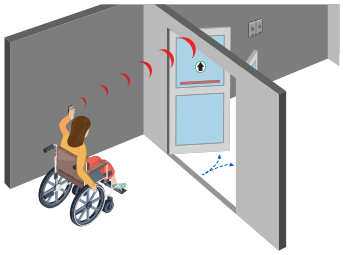
Vandal Resistant
Concealed fasteners to minimize vandalism

Available in Complete Kits
Complete kits available including plates, mounting boxes, and optional wireless devices for ease of ordering

Enhances Accessibility
ADA-compliant push plates are available in a variety of popular faceplate graphic options

Highly Compatible and Customizable
Compatible with both surface- and flush-mount boxes; various text, graphic and logo options available







TECHNICAL SPECIFICATIONS

Faceplate Material	Stainless steel (16 gauge, 304 2B)
Backplate Material	Aluminum (⅛" thick)
Mounting Screws	Stainless steel, 6-32 × 1" and 8-32 × 1" Allen Head Size: 5/64
Cherry Switch	Single-pole, 1 A, COM/NO/NC, UL Recognized
Compatible Wireless Frequencies	900, 433, or 300 MHz
Dimensions	1 ½" (W) × 4 ¾" (H) × 31/50" (D)

PRODUCT SERIES

10PBJ	1 ½" × 4 ¾" jamb, stainless steel push plate with blue "Push to Open" text
10PBJ1	1 ½" × 4 ¾" jamb, stainless steel push plate with blue accessibility logo and "Push to Open" text
10PBJ10	1 ½" × 4 ¾" jamb, stainless steel, plain push plate
10PBJL	1 ½" × 4 ¾" jamb, stainless steel push plate with blue accessibility logo
10PBJE	1 ½" × 4 ¾" jamb, stainless steel push plate with blue "Push to Exit" text
10PBJSREV	1 ¾" × 4 ½" jamb, stainless steel push plate with "Push to Slow" text with braille
10PBJ1B	1 ½" × 4 ¾" jamb, stainless steel, blue push plate with white accessibility logo and "Push to Open" text
10PBJLB	1 ½" × 4 ¾" jamb, stainless steel, blue push plate with white accessibility logo
10PBJM1	1 ½" × 4 ¾" jamb, stainless steel push plate with blue accessibility logo and "Push to Open" text *Includes microswitch with 2-stud touch points*
10PBJML	1 ½" × 4 ¾" jamb, stainless steel push plate with blue accessibility logo *Includes microswitch with 2-stud touch points*
10PBJMLL	1 ¾" × 4 ½" jamb, stainless steel push plate with blue accessibility logo *Includes microswitch with 2-stud touch points*
10PBJMS1	1 ¾" × 4 ½" jamb, stainless steel push plate with blue accessibility logo and "Push to Open" text *Includes microswitch with 2-stud touch points*

MOUNTING OPTIONS

10BOXJAMBFM	Flush-mount, jamb box (1 ½" × 4 ¾" jamb)
10BOXJAMBSM	Surface-mount, jamb box (1 ½" × 4 ¾" jamb)
10BOXJAMBST	Surface-mount, jamb box - hardwired only (1 ¾" × 4 ½" jamb)

Be sure to match push plate dimensions with box dimensions - not all push plates are compatible with all mounting boxes.

LPR36 PUSH PLATE

FULL LENGTH, 36 INCH, HIGH-LOW ACTUATOR



Enhances Accessibility
Offers a mean of activation of automatic doors for those with limited mobility or disabilities

Low Profile, Aesthetically Pleasing Design
Low-profile (1 inch deep) design helps prevent accidental damage in high traffic areas

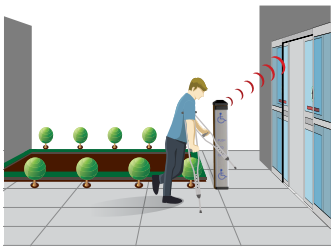
Standard Compliant, High-Accessibility Plate
Exceeds California Building Code 2013, Page 559, 11B-404.2.9, Exception 2c

Versatile Mounting
Easily installs on either walls or bollards for maximum mounting flexibility

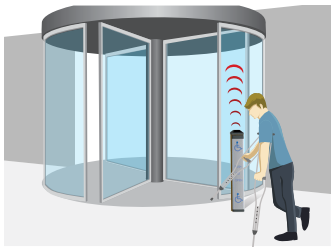
Easily Converts to Wireless
Available with convenient, built-in, wireless transmitter (300, 433, or 900 MHz frequencies) for wireless activation applications

Full-Length Activation
Activation area of 36 by 6 inches (216 square inches)

Not recommended for use in an environment where it will be directly exposed to water (e.g. outdoor, not protected from direct rain).







TECHNICAL SPECIFICATIONS

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

PRODUCT SERIES

10LPR36-300	36" vertical, actuation bar with text and logo + 300 MHz Wireless
10LPR36L-300	36" vertical, actuation bar with logo only + 300 MHz Wireless
10LPR36-433	36" vertical, actuation bar with text and logo + 433 MHz Wireless
10LPR36L-433	36" vertical, actuation bar with logo only + 433 MHz Wireless
10LPR36-900	36" vertical, actuation bar with text and logo + 900 MHz Wireless
10LPR36L-900	36" vertical, actuation bar with logo only + 900 MHz Wireless
10LPR36-HW	36" vertical, actuation bar with text and logo (hardwired only)
10LPR36L-HW	36" vertical, actuation bar with logo only (hardwired only)
10LPR36CAPKIT	Top and bottom replacement caps for the LPR36
10R300	300 MHz analog receiver
10RD433	433 MHz analog receiver
10RD433EH	433 MHz analog receiver, extended hold time
10RD900	900 MHz receiver module
10WCK433	Wireless conversion kit, converts hardwired to 433 Wireless
10WCK900	Wireless conversion kit, converts hardwired to 900 Wireless

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PANTHER PUSH PLATES

PUSH PLATES WITH INTEGRATED WIRELESS TECHNOLOGY



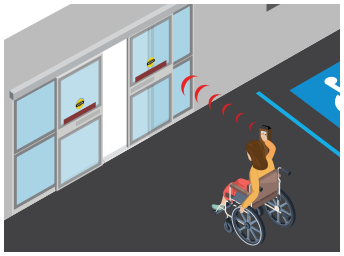
Wireless Compatibility
Reduces installation time by eliminating the need to run wires from the push plate or use additional mounting hardware

Enhanced Accessibility
Offers a means of activation of automatic doors for these with limited mobility or disabilities

Vandal Resistant
Concealed fasteners minimize vandalism

Weather Rated
IP65-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" Round	6 ⅓" (ø) × 1 ⁹⁄₂₀" (D)
4.75" Round	5 ³⁄₂₅" (ø) × 1 ²¹⁄₅₀" (D)
4.75" Square	5 ³⁄₂₅" (W) × 5 ³⁄₂₅" (H) × 1 ²¹⁄₅₀" (D)
Weight	
6" Round	1.2 lbs
4.75" Round	1.14 lbs
4.75" Square	1.04 lbs
Mounting Options	Surface or bollard
Transmitter Frequency*	433 MHz or 900 MHz**
Power	
433 MHz	(1) 12 V type A23
900 MHz	(2) CR2032
Materials	
Faceplate	Stainless steel (16 gauge, 304 2B)
Housing	ABS
Degree of Protection	IP65 FCC IC Part 15 Approved

* Corresponding frequency receiver required.

** See 433 MHz and 900 MHz User's Guides for more information on BEA's wireless transmitters and receivers.

PRODUCT SERIES

10EMR475	4 ¾" round, "Push to Open" text only; with integrated 433 MHz transmitter
10EMR475-900	4 ¾" round, "Push to Open" text only; with integrated 900 MHz transmitter
10EMR475L	4 ¾" round, accessibility logo only; with integrated 433 MHz transmitter
10EMR475L-900	4 ¾" round, accessibility logo only; with integrated 900 MHz transmitter
10EMR475L1	4 ¾" round, "Push to Open" text and accessibility logo; with integrated 433 MHz transmitter
10EMR475L1-900	4 ¾" round, "Push to Open" text and accessibility logo; with integrated 900 MHz transmitter
10EMR6	6" round, "Push to Open" text only; with integrated 433 MHz transmitter
10EMR6-900	6" round, "Push to Open" text only; with integrated 900 MHz transmitter
10EMR6L	6" round, accessibility logo only; with integrated 433 MHz transmitter
10EMR6L-900	6" round, accessibility logo only; with integrated 900 MHz transmitter
10EMR61	6" round, "Push to Open" text and accessibility logo; with integrated 433 MHz transmitter
10EMR61-900	6" round, "Push to Open" text and accessibility logo; with integrated 900 MHz transmitter
10EMS475	4 ¾" square, "Push to Open" text only; with integrated 433 MHz transmitter
10EMS475-900	4 ¾" square, "Push to Open" text only; with integrated 900 MHz transmitter
10EMS475L	4 ¾" square, accessibility logo only; with integrated 433 MHz transmitter
10EMS475L-900	4 ¾" square, accessibility logo only; with integrated 900 MHz transmitter
10EMS4751	4 ¾" square, "Push to Open" text and accessibility logo; with integrated 433 MHz transmitter
10EMS4751-900	4 ¾" square, "Push to Open" text and accessibility logo; with integrated 900 MHz transmitter
15.5039	Spare PCB for PANTHER plate - 433 series
15.5142	Spare PCB for PANTHER plate - 900 series

SINGLE GANG PUSH PLATES

STAINLESS STEEL ACTUATORS



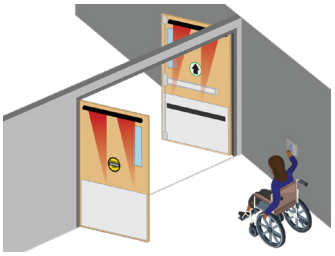
Robust Design
1/16 inch thick stainless steel for maximum durability

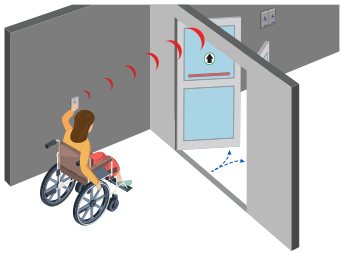
Vandal Resistant
Concealed fasteners to minimize vandalism

Available in Complete Kits
Complete kits available including plates, mounting boxes, and optional wireless devices for ease of ordering

Enhances Accessibility
ADA-compliant push plates are available in a variety of popular faceplate graphic options

Highly Compatible and Customizable
Compatible with both surface- and flush-mount boxes; various text, graphic, and logo options available







TECHNICAL SPECIFICATIONS

Faceplate Material	Stainless steel (16 gauge, 304 2B)
Backplate Material	Aluminum (⅛" thick)
Mounting Screws	Stainless steel, 6-32 × 1" and 8-32 × 1" Allen head size: 9/64
Cherry Switch	Single-pole, 15 A, COM/NO/NC, UL Recognized
Compatible Wireless Frequencies	900, 433, or 300 MHz

PRODUCT SERIES

10PBO241	Single-gang, stainless steel push plate with blue accessibility logo and "Push to Open" text
10PBO2410	Single-gang, stainless steel, plain push plate
10PBO24L	Single-gang, stainless steel push plate with blue accessibility logo
10PBO24E	Single-gang, stainless steel push plate with blue "Push to Open" text

MOUNTING OPTIONS

10BOX24SGSM	Standard single-gang, surface-mount box (2 ¾" × 4 ½")

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VESTIBULE PLATES

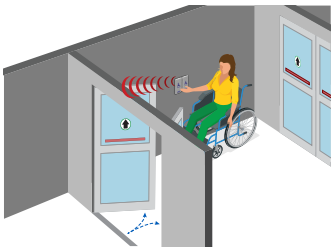
STAINLESS STEEL ACTUATORS

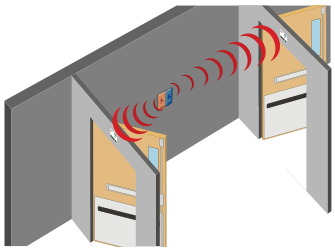
Robust Design
1/16 inch thick stainless steel for maximum durability

Available in Complete Kits
Complete kits available including plates, mounting boxes, and optional wireless devices for ease of ordering

Vandal Resistant
Concealed fasteners to minimize vandalism

Enhances Accessibility
ADA-compliant push plates are available in a variety of popular faceplate graphic options





TECHNICAL SPECIFICATIONS

Faceplate Material	Stainless steel (16 gauge, 304 2B)
Backplate Material	Aluminum (⅛" thick)
Mounting Screws	Stainless steel, 6-32 × 1" and 8-32 × 1" Allen head size: 5/64
Cherry Switch	Single-pole, 15 A, COM/NO/NC, UL Recognized
Compatible Wireless Frequencies	900, 433, or 300 MHz
Dimensions	4 ¾" (W) × 4 ¾" (H) × 31/50" (D)

PRODUCT SERIES

10PBDGP1	Stainless steel dual Push Plate for vestibule includes: One (1) adapter ring, two (2) separate Push Plates with "Push to Open" text and accessibility logo *Requires two (2) 10TD433PB3V or two (2) 10TD900PB transmitters*

MOUNTING OPTIONS

10BOX475SQSMEBA	Surface-mount box (4 ¾" square) with easy battery access *Adapter ring 50.5016 required*
10BOX475SQSM	Surface-mount box (4 ¾" square) *Adapter ring 50.5016 required*
10BOX475SQFM	Flush-mount box (4 ¾" square) *Adapter ring 50.5016 required*
10BOXDGSM	Surface-mount box, double gang *Adapter ring 50.5016 required*
10BOLLARD SERIES	Bollard (see page 96)
50.5016	Adapter ring

MS09

IP65 RATED, MICROWAVE, TOUCHLESS ACTUATOR

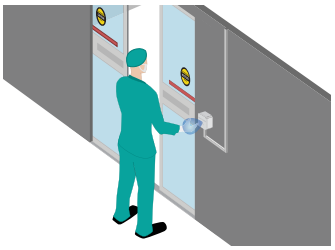


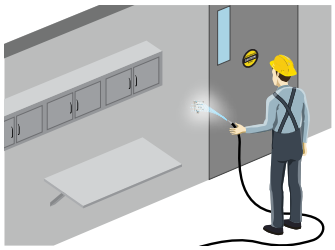
Weather-Resistant Housing
IP65 enclosure capable of use in industrial and extreme environments, as well as wash-down facilities

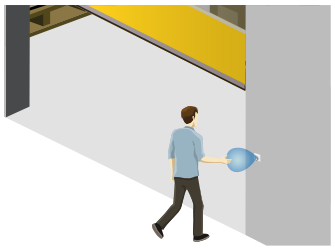
Adjustable Detection Zone
User-defined detection zone from 4 to 24 inches (pulse or toggle)

Appropriate for All Environments
Can be used in a variety of indoor and outdoor applications

No Mounting Accessories Needed
External mounting boxes are not required







TECHNICAL SPECIFICATIONS

Technology	Microwave motion sensor
Radiated Frequency	24.125 GHz
Radiated Power Density	< 5 mW / cm²
Supply Voltage	12 – 24 VAC ±10% 12 – 24 VDC +30% / -10% *(to be operated from SELV-compatible power supplies only)*
Supply Frequency	50 – 60 Hz
Power Consumption	< 1.5 W
Output Max. Contact Voltage Max. Contact Current Max. Switching Power	Relay with switch-over contact (voltage-free) 60 VDC / 125 VAC 1 A (resistive) 30 W (DC) / 60 VAC
Detection Range*	4 – 24" (adjustable)
Detection Mode	Motion (bidirectional)
Output Hold Time	0.5 – 30 sec
Temperature Range	-4 – 131 °F (-20 – 55 °C)
Weight	0.34 lbs
Materials	ASA, PC
Degree of Protection	IP65
Certification	EMC: 2004 / 108 / EC FCC: G9B-210161 IC: 4680A-210161

* See User's Guide.

PRODUCT SERIES

10MS09TL	MAGIC SWITCH MS09 microwave cell with single-gang, white faceplate (text and logo)
10MS09L	MAGIC SWITCH MS09 microwave cell with single-gang, white faceplate (logo only)
10RD900	900 MHz receiver module
10TD900TR	900 MHz retrofit transmitter

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MS21

SHORT RANGE, CAPACITIVE, TOUCHLESS ACTUATOR



Ideal for Close Quarter Environments
Short-range detection zone reduces unwanted activations

Highly Visible
LED-illuminated mounting ring increases visibility

Durable, Weather-Resistant Design
Stainless steel faceplate is ideal for harsh environments

Aesthetically Pleasing
Low profile, beveled design reduces accidental damage

Various Artwork Options
Various faceplate graphic options available

Adjustable Features
Adjustable audible alerts, visual alerts, and touchless detection zones

Universally Compatible with Automatic Doors
Compatible with all automatic door control makes and models



TECHNICAL SPECIFICATIONS

Technology Type	Capacitive sensing
Detection Mode	Proximity
Supply Voltage	12 – 24 VAC/VDC
Current Consumption	37 mA (typical)
Temperature Range	-20 – 120 °F
Degree of Protection	IP65
Sensing Zone*	0 – 4”
Relay	1 Form A solid-state relay; 0.4 A, 60 VAC/VDC (max.)
Cable Length	6” (5-conductor)
Materials	
Faceplate	Stainless steel
Backplate, Enclosure	Clear PC
Mounting ring	Clear PC

* See User’s Guide.

PRODUCT SERIES

10MS21HR1	MAGIC SWITCH MS21 with stainless steel, 6 inch round faceplate (text and logo)
10MS21HR	MAGIC SWITCH MS21 with stainless steel, 6 inch round faceplate (text only)
10MS21HRLL	MAGIC SWITCH MS21 with stainless steel, 6 inch round faceplate (logo only)
10MS21HS1	MAGIC SWITCH MS21 with stainless steel, 4.75 inch round faceplate (text and logo)
10MS21HS	MAGIC SWITCH MS21 with stainless steel, 4.75 inch round faceplate (text only)
10MS21HSLL	MAGIC SWITCH MS21 with stainless steel, 4.75 inch round faceplate (logo only)
10RD900	900 MHz receiver module
10TD900TR	900 MHz retrofit transmitter
20.2007	MS21 isolation module and PCBA harness

MS31

MICROWAVE, TOUCHLESS ACTUATOR WITH
ADJUSTABLE RANGE AND RELAY HOLD TIME



Adjustable Detection Zone
Detection zone from 4 to 24 inches (timed or toggle)

Adjustable LED Setting
DIP switch position determines if LED illuminates when in detection or when not in detection

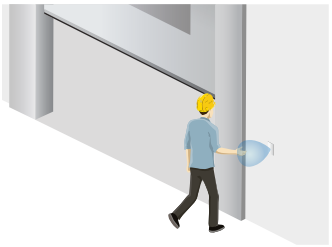
Silent Activation
Silent activation for hospitals and other noise-sensitive environments

Durable Design
IP54-rated enclosure for protection against outdoor weather and daily cleaning

Various Faceplates Available
Available in black, gray, and white faceplate; options include jamb style, single gang, double gang, and 6 inch round









TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler radar
Radiated Frequency	24.125 GHz
Radiated Power Density	< 5 mW / cm²
Detection Mode	Motion (bidirectional)
Detection Range	4 – 24" (adjustable)
Output	Relay with switch-over contact (voltage-free)
Max. Contact Voltage	60 VDC / 125 VAC
Max. Contact Current	1 A (resistive)
Max. Switching Power	30 W (DC) / 60 VA (AC)
Output Hold Time	0.5 – 30 s
Supply Frequency	50 – 60 Hz
Supply Voltage	12 – 24 VAC ±10%, 12 – 24 VDC +30% / -10%
Power Consumption	< 1.5 W
Weight	0.34 lbs
Materials	PC, PE
Temperature Range	-4 – 131 °F (-20 – 55 °C)
IP Rating	IP54
Dimensions	
Single Gang	4 ½" (H) × 2 ¾" (W) × ¼" (T)
Jamb Plate	4 ½" (H) × 1 ¾" (W) × ¼" (T)
Double Gang	4 ½" (H) × 4 ½" (W) × ¼" (T)
Round Plate	6" (D) × ¼" (T)
Certification	EMC: 2004 / 108 / EC FCC: G9B-210161 IC: 4680A-210161

PRODUCT SERIES

10MS31U-B	MAGIC SWITCH MS31 kit with microwave cell, single gang and double gang faceplates (text and logo, black)
10MS31U-G	MAGIC SWITCH MS31 kit with microwave cell, single gang and double gang faceplates (text and logo, gray)
10MS31U-W	MAGIC SWITCH MS31 kit with microwave cell, single gang and double gang faceplates (text and logo, white)
10MS31J-B	MAGIC SWITCH MS31 kit with microwave cell, jamb faceplate (text and logo, black)
10MS31J-G	MAGIC SWITCH MS31 kit with microwave cell, jamb faceplate (text and logo, gray)
10MS31J-W	MAGIC SWITCH MS31 kit with microwave cell, jamb faceplate (text and logo, white)
10MS31R-B	MAGIC SWITCH MS31 kit with microwave cell, 6 inch round faceplate (text and logo, black)
10MS31R-G	MAGIC SWITCH MS31 kit with microwave cell, 6 inch round faceplate (text and logo, gray)
10MS31R-W	MAGIC SWITCH MS31 kit with microwave cell, 6 inch round faceplate (text and logo, white)
10RD900	900 MHz receiver module
10TD900TR	900 MHz retrofit transmitter
MS31 CUSTOM	MAGIC SWITCH MS31 kit with microwave cell and choice of accessibility logo or plain in any size/shape options

See next page for optional faceplate styles...

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MS31

MICROWAVE, TOUCHLESS ACTUATOR WITH
ADJUSTABLE RANGE AND RELAY HOLD TIME

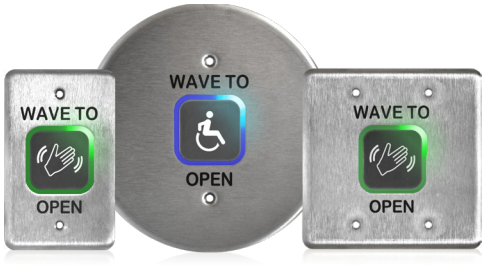


PRODUCT SERIES

70.5869	MAGIC SWITCH MS31 single-gang faceplate (plain, black)
70.5833	MAGIC SWITCH MS31 single-gang faceplate (text and hand logo, black)
70.5834	MAGIC SWITCH MS31 single-gang faceplate (text and accessibility logo, black)
70.5872	MAGIC SWITCH MS31 jamb faceplate (plain, black)
70.5825	MAGIC SWITCH MS31 jamb faceplate (text and hand logo, black)
70.5826	MAGIC SWITCH MS31 jamb faceplate (text and accessibility logo, black)
70.5887	MAGIC SWITCH MS31 double-gang faceplate (plain, black)
70.5841	MAGIC SWITCH MS31 double-gang faceplate (text and hand logo, black)
70.5842	MAGIC SWITCH MS31 double-gang faceplate (text and accessibility logo, black)
70.5871	MAGIC SWITCH MS31 6" round faceplate (plain, black)
70.5849	MAGIC SWITCH MS31 6" round faceplate (text and hand logo, black)
70.5850	MAGIC SWITCH MS31 6" round faceplate (text and accessibility logo, black)
70.5835	MAGIC SWITCH MS31 single-gang faceplate (plain, gray)
70.5836	MAGIC SWITCH MS31 single-gang faceplate (text and hand logo, gray)
70.5837	MAGIC SWITCH MS31 single-gang faceplate (text and accessibility logo, gray)
70.5827	MAGIC SWITCH MS31 jamb faceplate (plain, gray)
70.5828	MAGIC SWITCH MS31 jamb faceplate (text and hand logo, gray)
70.5829	MAGIC SWITCH MS31 jamb faceplate (text and accessibility logo, gray)
70.5843	MAGIC SWITCH MS31 double-gang faceplate (plain, gray)
70.5844	MAGIC SWITCH MS31 double-gang faceplate (text and hand logo, gray)
70.5845	MAGIC SWITCH MS31 double-gang faceplate (text and accessibility logo, gray)
70.5851	MAGIC SWITCH MS31 6" round faceplate (plain, gray)
70.5852	MAGIC SWITCH MS31 6" round faceplate (text and hand logo, gray)
70.5853	MAGIC SWITCH MS31 6" round faceplate (text and accessibility logo, gray)
70.5838	MAGIC SWITCH MS31 single-gang faceplate (plain, white)
70.5839	MAGIC SWITCH MS31 single-gang faceplate (text and hand logo, white)
70.5840	MAGIC SWITCH MS31 single-gang faceplate (text and accessibility logo, white)
70.5830	MAGIC SWITCH MS31 jamb faceplate (plain, white)
70.5831	MAGIC SWITCH MS31 jamb faceplate (text and hand logo, white)
70.5832	MAGIC SWITCH MS31 jamb faceplate (text and accessibility logo, white)
70.5846	MAGIC SWITCH MS31 double-gang faceplate (plain, white)
70.5847	MAGIC SWITCH MS31 double-gang faceplate (text and hand logo, white)
70.5848	MAGIC SWITCH MS31 double-gang faceplate (text and accessibility logo, white)
70.5854	MAGIC SWITCH MS31 6" round faceplate (plain, white)
70.5855	MAGIC SWITCH MS31 6" round faceplate (text and hand logo, white)
70.5856	MAGIC SWITCH MS31 6" round faceplate (text and accessibility logo, white)

MS41

STAINLESS STEEL, TOUCHLESS ACTUATOR WITH ADJUSTABLE RANGE AND RELAY HOLD TIME



Durable Faceplate
Stainless steel faceplate increases durability and protection from daily cleaning

Ideal For Harsh Environments
IP55-rated enclosure capable of use in industrial and extreme wash-down environments

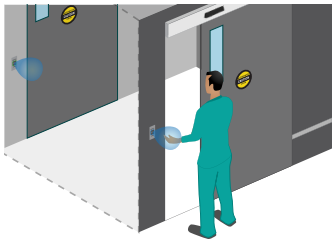
High Visibility
Animated- or static-illuminated ring allows for high-visibility in low light areas

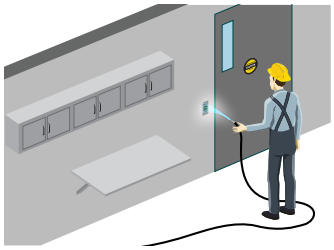
Adjustable Detection Zone
Adjustable sensing zone from 4 to 24 inches (timed or toggle)

Activation Alerts
Adjustable, audible alert setting, including silent-mode required for hospitals and other noise-sensitive environments

Adjustable Hold Time
Configurable output hold time of ½ to 30 seconds allowing unique, user-defined device placement







TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler radar
Radiated Frequency	24.125 GHz
Radiated Power Density	< 5 mW/cm²
Detection Mode	Motion (bidirectional)
Detection Range	4 – 24" (adjustable)
Output	Relay with switch-over contact (voltage-free)
Max. Contact Voltage	60 VDC / 125 VAC
Max. Contact Current	1A (resistive)
Max. Switching Power	30 W (DC) / 60 VA (AC)
Output Hold Time	0.5 – 30 s
Supply Frequency	50 – 60 Hz
Supply Voltage	12 – 24 VAC ±10% 12 – 24 VDC +30% / -10%
Power Consumption	< 1.5 W
Wire Gauge	26 – 22 AWG
Weight	0.34 lbs
Material	Stainless steel
Temperature Range	-4 – 131 °F
IP Rating*	IP55 *Apply silicone to achieve IP65*
Dimensions	
Single Gang	4 ½" (H) × 2 ¾" (W) × 9⁄50" (T)
Double Gang	4 ½" (H) × 4 ½" (W) × 9⁄50" (T)
Round	6" (D) × 9⁄50" (T)
Cube	2 1⁄16" (H) × 1 13⁄16" (W) × 1 ⅛" (T)
Certification	EMC: 2004 / 108 / EC FCC: G9B-210161 IC: 4680A-210161

* See Users Guide.

PRODUCT SERIES

10MS41-S	MAGIC SWITCH MS41 kit with microwave cell and single-gang, stainless steel faceplate (text and hand logo)
10MS41-SA	MAGIC SWITCH MS41 kit with microwave cell and single-gang, stainless steel faceplate (text and accessibility logo)
10MS41-SP	MAGIC SWITCH MS41 kit with microwave cell and single-gang, stainless steel faceplate (plain)
10MS41-D	MAGIC SWITCH MS41 kit with microwave cell and double-gang, stainless steel faceplate (text and hand logo)
10MS41-DA	MAGIC SWITCH MS41 kit with microwave cell and double-gang, stainless steel faceplate (text and accessibility logo)
10MS41-DP	MAGIC SWITCH MS41 kit with microwave cell and double-gang, stainless steel faceplate (plain)
10MS41-R	MAGIC SWITCH MS41 kit with microwave cell and 6" round, stainless steel faceplate (text and hand logo)
10MS41-RA	MAGIC SWITCH MS41 kit with microwave cell and 6" round, stainless steel faceplate (text and accessibility logo)
10MS41-RP	MAGIC SWITCH MS41 kit with microwave cell and 6" round, stainless steel faceplate (plain)
10TD900TR	900 MHz retrofit transmitter

MS41 Single, Double, and Round adapter bracket 70.5236 is included in the box. Adapter bracket can be used to replace a mud ring whose opening measures less than 2".

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ACCESS CONTROL PUSH BUTTON

ILLUMINATED, REQUEST-TO-EXIT BUTTON

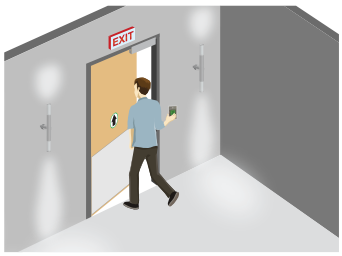


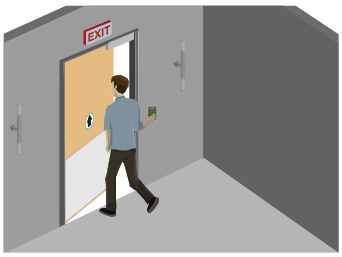
Easier Light Bulb Replacement
Easily replaced 12 to 24 VAC/VDC light bulb, reducing whole-product replacement

Durable Faceplate
Stainless steel faceplate

Secure
Vandal- and tamper-resistant design

Reliable
Tested to perform more than one million operations





TECHNICAL SPECIFICATIONS

Switch	
Voltage Max.	125 / 250 VAC
Current Max.	10 A
Power Max.	373 W
Electrical Configuration	SPDT
Bulb	
Input Voltage	28 VDC (14 VDC, optional)
Current	16 mA ±10%, 12 V

PRODUCT SERIES

10ACPBSS1	Single-gang push button, illuminated, "Push To Exit"

MOUNTING OPTIONS

10BOX24SGSM	Standard single-gang, surface-mount box (2 ¾" × 4 ½")

CABINET LOCK

80 LB ELECTROMAGNETIC LOCK



TECHNICAL SPECIFICATIONS

Door Configuration	Single / Cabinet, surface mount
Holding Force	80 lbs
Input Voltage	12 or 24 VDC
Current Draw	100 mA at 12 VDC 50 mA at 24 VDC
Dimensions	2 ¾" (W) × 1 $^{11}/_{50}$" (H) × $^{7}/_{10}$" (D)
Magnet Weight	0.44 lbs
Materials	
Lock Housing	Aluminum
Armature Plate	Zinc-plated steel

PRODUCT SERIES

10MAGLIFELOCK9	Cabinet lock - single, 80 lb, 12 / 24 VDC

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c UL us LISTED

DELAYED-EGRESS MAGLOCK KIT

UL LISTED, ALL-IN-ONE KIT WITH MAGLOCK, SOUNDER, AND KEYSWITCH



Door-Synchronizing Feature
Double doors (2 single doors) can be synchronized

Programmable Egress Time
Authorized egress time programmable zero to 15 seconds

Selectable Alarm
Selectable, 30-second, door prop alarm

Customizable LED Features
LED color and flashes can be customized

Input Features
Monitored, fire-alarm input

Triggering Options
Delayed-Egress MAGLOCK can be triggered with pressure on the door or with a REX input (or disabled completely)

Standards Compliant
UL294 listed kit

TECHNICAL SPECIFICATIONS

Housing Dimensions	10 53/64" (W) × 2 7/8" (H) × 2 1/8" (D)
Armature Dimensions	7 7/16" (W) × 2 3/8" (H) × 5/8" (D)
Voltage / Tolerance	12 – 24 VDC; ±10%
Max. Power / Current Draw	
Maglock and Sounder	0.49 A / 12 VDC 0.24 A / 24 VDC
Low Voltage Supply Detection / Alarm	< 8 V
Holding Force	Up to 1200 lb
Mortise Cylinder	1 1/8" cylinder with straight cam required, NOT INCLUDED *Requires 10CYLINDERKA or 10CYLINDERKD*
Operating Temperature	14 – 140 °F
Norm Conformity	UL / CUR Listed FWAX Special locking arrangements
Compliance Provisions	IBC, SBC, UBC, BOCA, or NBC of Canada, NFPA 101

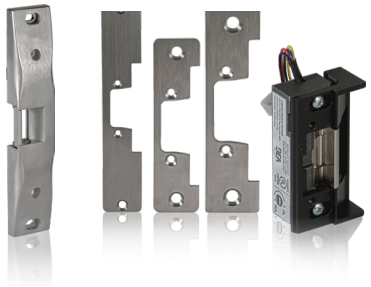
PRODUCT SERIES

10MAGDE1	All-in-one Delayed Egress MAGLOCK Kit for single, out-swinging 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**
10CYLINDERKA	1 1/8" mortise cylinder, Schlage C Keyway, keyed alike
10CYLINDERKD	1 1/8" mortise cylinder, Schlage C Keyway, keyed differently
10PS12-24	UL / ULC Listed power supply
10PS12-24D	UL / ULC Listed power supply 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"

c UL us LISTED

ELECTRIC STRIKES

UL LISTED ELECTRIC STRIKES FOR US AND CANADA



Modular Faceplate Options

Three modular faceplates for the most common door types: hollow metal, aluminum, and wood

Standards Compliant

UL294 and UL1034 listed Universal Cylindrical and Rim Exit strikes

Configurable

The non-handed, fully reversible design is field selectable to 12 or 24 VDC and field reversible with a fail-safe or fail-secure mode

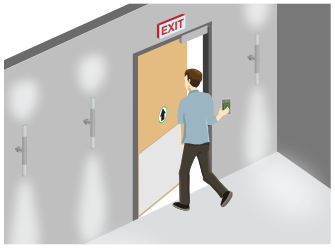
Durable

UL tested to 250,000 cycles, factory-tested to 1,000,000 cycles

UL Listed

Universal Cylindrical strikes are rated to 1000 lbs static and 70 lbs dynamic (50 lbs dynamic for CUV model)

Rim Exit strikes are rated to 1500 lbs static and 70 dynamic



TECHNICAL SPECIFICATIONS

10STRIKERE			
Mode*	Fail-safe		
Voltage	12 VAC/VDC	24 VAC/VDC	11 – 16 VAC
Duty**	Intermittent, Continuous	Intermittent, Continuous	Intermittent, Intermittent
Amps***	0.30, 0.50	0.64, 0.24	0.32 – 0.50
Sound	Buzz, silent	Buzz, silent	Buzz, buzz
Static / Dynamic Strength	1500 lbs / 70 lbs		
Endurance	250,000 cycles (UL tested)		
Latch Throw	¾″		
Standards Compliance	UL294, UL1034, UL and ULC listed		
10STRIKECU			
Mode*	Fail-safe, Fail-secure		
Voltage	12 VDC	24 VDC	12 – 24 VAC
Duty**	Continuous	Continuous	Intermittent
Amps***	0.375	0.190	0.280 – 0.565
Sound	Silent	Silent	Buzz
Static / Dynamic Strength	1000 lbs / 70 lbs		
Endurance	250,000 cycles (UL tested)		
Latch Throw	½″ or ⅝″		
Standards Compliance	UL294, UL1034, UL and ULC listed		

* Fail Safe – Lock or locking device that remains unlocked on loss of power
Fail Secure – Lock or locking device that remains locked on loss of power (also known as Non-Fail Safe (NFS))

** 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

PRODUCT SERIES

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

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ELECTRIC STRIKES

UL LISTED ELECTRIC STRIKES FOR THE US MARKET



Modular Faceplate Options
Three modular faceplates for the most common door types: hollow metal, aluminum, and wood

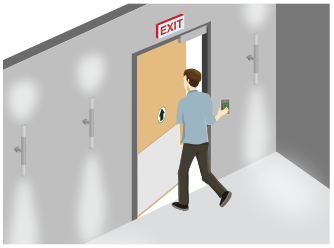
Standards Compliant
UL294 and UL1034 listed Universal Cylindrical and Rim Exit strikes

Configurable
The non-handed, fully reversible design is field selectable to 12 or 24 VDC and field reversible with a fail-safe or fail-secure mode

Durable
UL tested to 250,000 cycles, factory-tested to 1,000,000 cycles

UL Listed
Universal Cylindrical strikes are rated to 1000 lbs static and 70 lbs dynamic (50 lbs dynamic for CUV model)

Rim Exit strikes are rated to 1500 lbs static and 70 dynamic



TECHNICAL SPECIFICATIONS

10STRIKEREREV12 / 10STRIKEREV34		
Mode*	Fail-safe, Fail-secure	
Voltage	12 VDC	24 VDC
Duty**	Continuous	Continuous
Amps ***	0.540	0.270
Sound	Silent	Silent
Static / Dynamic Strength	1500 lbs / 70 lbs	
Endurance	250,000 cycles (UL tested) / 1,000,000 cycles (factory tested)	
Latch Throw	½" or ¾"	
Standards Compliance	UL294, UL1034, UL Listed	

10STRIKECUV		
Mode*	Fail-safe, Fail-secure	
Voltage	12 VDC	24 VDC
Duty**	Continuous	Continuous
Amps ***	0.300	0.150
Sound	Silent	Silent
Static / Dynamic Strength	1000 lbs / 70 lbs	
Endurance	250,000 cycles (UL tested) / 1,000,000 cycles (factory tested)	
Latch Throw	9/16" (15 mm max)	
Standards Compliance	UL294, UL1034, UL Listed	

* Fail Safe – Lock or locking device that remains unlocked on loss of power
Fail Secure – Lock or locking device that remains locked on loss of power (also known as Non-Fail Safe (NFS))

** 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

PRODUCT SERIES

10STRIKECUV	UL Listed, universal cylindrical, electric strike
10STRIKEREV12	UL Listed, rim exit electric strike (½")
10STRIKEREV34	UL Listed, rim exit electric strike (¾")

KEYSWITCHES

ACCESS-CONTROL SWITCH PLATE

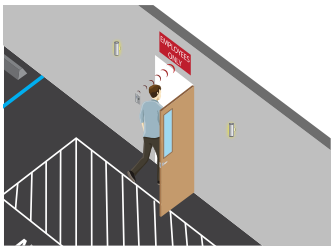


Vandal Resistant
Aluminum, wall plate with tamper-resistant screws

Multiple Plate Sizes
Available in jamb and single-gang wall plates or double-gang combo-plate

Keyswitch Override
Combo plate allows for independent operation of the push plate and keyswitch, or allows the keyswitch to activate or disable the push plate

Selectable Power Consumption
Capable of switching 6A at 124 VAC or 3A at 250 VAC







TECHNICAL SPECIFICATIONS

Technology	Mechanical key access
Faceplate Dimensions	
Jamb	1 ¾" (W) × 4 ¾" (H) × ¼" (D)
Single	2 ½" (W) × 4 ¾" (H) × ¼" (D)
Combo-plate	4 ½" (W) × 4 ½" (H) × ¼" (D)
Visual Style (combo plate only)	Accessibility symbol and "Push To Open" text
Material	Aluminum
Switch Rating	6 A at 125 VAC or 3 A at 250 VAC
Mortise Cylinder*	1 ⅛" cylinder with straight cam required

* NOT INCLUDED – Requires part 10CYLINDERKA or 10CYLINDERKD

PRODUCT SERIES

10KEYSWITCHONF	Maintained keyswitch - single gang 3" × 4 ¾" × ½" *Mortise cylinder not included*
10KEYSWITCHMOM	Momentary keyswitch - single gang 3" × 4 ¾" × ½" *Mortise cylinder not included*
10JAMBSWITCHONF	Maintained keyswitch - jamb 1 ¾" × 4 ¾" × ½" *Mortise cylinder not included*
10JAMBSWITCHMOM	Momentary keyswitch - jamb 1 ¾" × 4 ¾" × ½" *Mortise cylinder not included*
10COMBOPLATE	Jamb push plate combined with maintained keyswitch on a double-gang faceplate *Mortise cylinder not included*
10COMBOPLATEMOM	Jamb push plate combined with momentary keyswitch on a double-gang faceplate *Mortise cylinder not included*
10CYLINDERKA	1 ⅛" mortise cylinder, Schlage C Keyway, keyed alike
10CYLINDERKD	1 ⅛" mortise cylinder, Schlage C Keyway, keyed differently
20.2021	ON / OFF switch for 10KEYSWITCHONF and 10JAMBSWITCHONF
20.2020	Momentary switch for 10KEYSWITCHMOM and 10JAMBSWITCHMOM

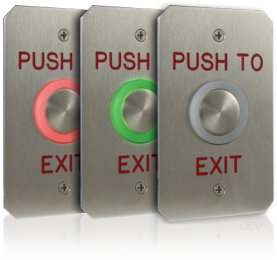
MOUNTING OPTIONS

10BOXJAMBST	Surface-mount, jamb box - hardwired only (1 3/4" × 4 1/2" jamb)
10BOX24SGSM	Standard single-gang, surface-mount box (2 ¾" × 4 ½")
10BOXDGSM	Surface-mount box, double gang

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PIEZO BUTTON

HEAVY DUTY, PIEZOELECTRIC PUSH BUTTON



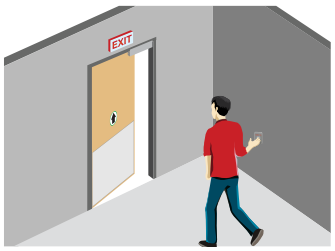
Adjustable Hold Time
1 to 40 seconds, user-adjustable output hold time

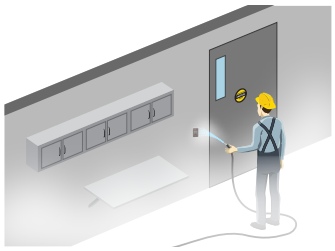
Selectable Modes
Can be configured to fail-safe or fail-secure

NO or NC
Can be wired normally open or normally closed

Customizable Illumination
LED illumination can be customized to user preference

Vandal Resistant
Vandal- and tamper-resistant design





TECHNICAL SPECIFICATIONS

Technology	Piezoelectric
Faceplate Dimensions	
Single Gang	2 ¾" (W) × 4 ½" (H)
LED	Illuminated red/green ring that signals activation (can also be disabled)
Faceplate Material	Stainless steel
Hold Time Range	1 – 40 s (adjustable)
Voltage Input	12 – 24 VDC (auto-sensing)
Norm Conformity	IP65

PRODUCT SERIES

10PIEZO241	Piezoelectric push button, single gang "Push To Exit" text
10BOX24SGSM	Standard, single-gang, surface-mount box (2 ¾" × 4 ½")

PNEUMATIC PUSH BUTTONS

ACCESS CONTROL PUSH BUTTON WITH MECHANICAL-PNEUMATIC HOLD TIME



Customizable
Adjustable time delay of 2 to 60 seconds

Standards Compliant
Listed UL508 / CSA C22.2 No 14-10 with MET LABS, File #E113051

Various Styles
Buttons available in 1 ⅝ inch (standard) or 2 inch (large) sizes

Meet Your Application Needs
Available in a variety of combinations of color, text, and logo (upon request)

Tested to Last
Tested to perform greater than 1 million operations







TECHNICAL SPECIFICATIONS

Technology	Pneumatic
Faceplate Dimensions	
Single	2 ¾" (W) × 4 ½" (H)
Jamb	1 ¾" (W) × 4 ½" (H)
Visual Style	Red button with "Push to Exit" text Blue button with accessibility logo Green button with "Push to Exit" text
Materials	
Faceplate	Stainless steel
Button	Colored, anodized aluminum
Switch Rating	5 A at 125 VAC
Time Range	2 – 60 s ±15%, adjustable
Repeat Accuracy	±5% at 72 °F
Operating Temperature	-15 – 120 °F *Rated for indoor use only*
Timer Life	1,000,000 operations

PRODUCT SERIES

10ACPBDA1	2" jamb, red button, text only
10ACPBDA2	2" single-gang, red button, text only
10ACPBDA3	1 ⅝" jamb, red button, text only
10ACPBDA4	1 ⅝" single-gang, red button, text only
10ACPBDA5	2" jamb, blue button, logo only
10ACPBDA6	2" single-gang, blue button, logo only
10ACPBDA7	1 ⅝" jamb, blue button, logo only
10ACPBDA8	1 ⅝" single-gang, blue button, logo only
10ACPBDA9	2" jamb, green button, text only
10ACPBDA10	2" single-gang, green button, text only
10ACPBDA11	1 ⅝" jamb, green button, text only
10ACPBDA12	1 ⅝" single-gang, green button, text only

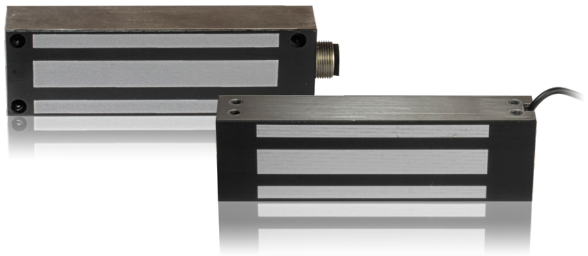
MOUNTING OPTIONS

10BOXJAMBST	Surface-mount, jamb box - hardwired only (1 ¾" × 4 ½" jamb)
10BOX24SGSM	Standard single-gang, surface-mount box (2 ¾" × 4 ½")

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UL LISTED GATELOCKS

WEATHER-RESISTANT, ELECTROMAGNETIC LOCK



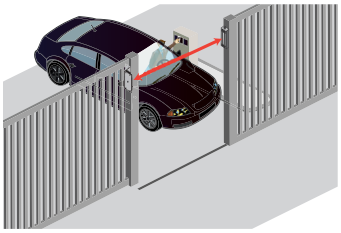
Multiple Mounting Options
Available in front or side mount with a 1200 lb holding force

Easy-to-Mount
Front-mount model comes with a ¾ inch male NPS threaded conduit fitting

Lock Status Sensor
Built-in remote lock status sensor with an output relay

Additional Protection
Built-in surge protection

Withstands the Elements
Weather-resistant, stainless steel housing makes these locks suitable for outdoor applications





TECHNICAL SPECIFICATIONS

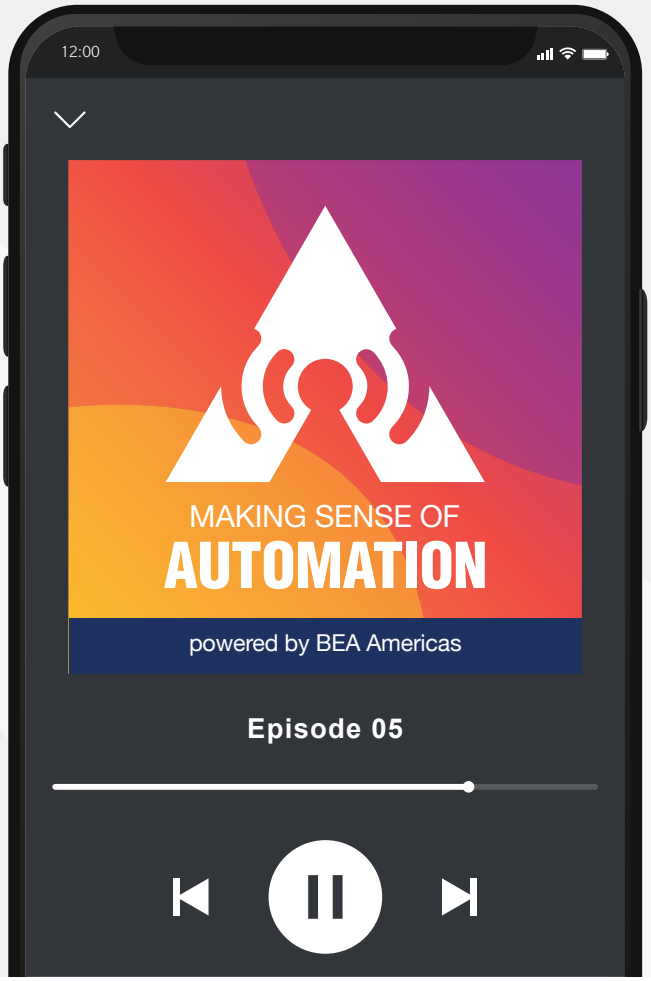
10GL1200R	
Door Configuration	Sliding gate, front mount
Holding Force	1200 lb
Input Voltage	12 / 24 VDC (UL Listed power supply recommended)
Current Draw	500 mA at 12 VDC 250 mA at 24 VDC
Relay Switch	250 mA at 12 VDC 125 mA at 24 VDC
Dimensions	8 ¾" (W) × 2 ½" (H) × 1 ⅝" (D)
Material	Stainless steel
Sensor	Lock status sensor with relay output
Cable Specifications	24 AWG, 7-conductor cable, 3 ½'
Norm Conformity	UL and ULC ANSI 156.10 NEMA 4 / IP65
Conduit Fitting (10GL1200R ONLY)	¾" NPS conduit fitting 14 threads per inch
10GL1200SR	
Door Configuration	Sliding door / gate, side mount
Holding Force	1200 lb
Input Voltage	12 / 24 VDC (UL Listed power supply recommended)
Current Draw	500 mA at 12 VDC 250 mA at 24 VDC
Relay Switch	250 mA at 12 VDC 125 mA at 24 VDC
Dimensions	8 ¾" (W) × 2 ½" (H) × 1 ⅝" (D)
Material	Stainless steel
Sensor	Lock status sensor with relay output
Cable Specifications	24 AWG, 7-conductor cable, 3 ½'
Norm Conformity	UL and ULC ANSI 156.10 NEMA 4 / IP65

PRODUCT SERIES

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
10PS12-24D	UL / ULC Listed power supply with backup circuit (1.75 A) *battery NOT included*

NEW SESSION

MAKING SENSE OF AUTOMATION



Live discussions addressing challenges and resources in the automatic door industry. Join BEA's field experts as they interview guests and dive deep into the world of automation.

Our live webinar offers attendees insider access and an opportunity to address questions. From retail, healthcare and industrial environments, Making Sense of Automation gives a refreshing take on the automatic door industry. Register below for upcoming sessions or join us on via our company LinkedIn page.

us.beasensors.com/en/news/making-sense-of-automation/



TECH TIME LIVE

Tech Time Live is a virtual training series given by our technical services team. Join our techs as they provide detailed product demonstrations, step by step walkthroughs and answer your questions about BEA products and applications.

Go live with BEA technicians as they offer comprehensive training on key BEA products and accessories. From installation and wiring to troubleshooting in the field, Tech Time Live is an excellent resource for technicians looking for live tutorials.

us.beasensors.com/en/training/tech-time-live/

1200LB MAGLOCKS

MAGLOCKS WITH ADJUSTABLE RELOCK TIME DELAY AND LOCK (BOND) STATUS SENSOR



User-Configurable
Adjustable zero to 90 second relock time delay

Enhanced Access Control / Monitoring
Lock (bond) status sensor with visible LED offers either normally open or normally closed output configurations

UL 294 Listed*
Listed for access control systems and must be used with a UL Listed power supply

Anti-Tampering
The security screw on the front face blocks access to the bottom of the elctromagnetic lock preventing tampering or dismounting

Convenient Packages Available
Available in access control packages with sensor, logic module, actuator, and MAGLOCK

* This product is UL294-listed up to 1,000 lb static strength.





TECHNICAL SPECIFICATIONS

10MAGLOCK1UL	
Lock	Single
Input Voltage	12 or 24 VDC
Relay Rating	1.0 A at 24 VDC resistive
Relay Power Factor	1
Reed Switch Rating	Dry Contacts: 3W (switching contact 0.25 amps max, switching voltage 30VDC max; resistive load)
Reed Switch Power Factor	1
Power Consumption	500 mA at 12 VDC 250 mA at 24 VDC
Dimensions	10 15⁄32″ (W) x 2 7⁄8″ (H) x 1 37⁄64″ (D)
Certification	UL294 (up to 1,000 lb static strength) File #BP10577
Operating Temperature	32 – 120 °F
Operating Humidity	0 – 85%
10MAGLOCK5UL	
Lock	Double
Input Voltage	12 or 24 VDC
Relay Rating	1.0 A at 24 VDC resistive
Relay Power Factor	1
Reed Switch Rating	Dry Contacts: 3W (switching contact 0.25 amps max, switching voltage 30VDC max; resistive load)
Reed Switch Power Factor	1
Power Consumption	500 mA at 12 VDC 250 mA at 24 VDC each
Dimensions	21″ (W) x 2 7⁄8″ (H) x 1 37⁄64″ (D)
Certification	UL294 (up to 1,000 lb static strength) File #BP10577
Operating Temperature	32 – 120 °F
Operating Humidity	0 – 85%

PRODUCT SERIES

10MAGLOCK1UL	Single, 1200 lb, UL / ULC listed LED status 0 – 90 second hold open timer (relock) (1) bond status relay 12 / 24 VDC
10MAGLOCK5UL	Double, 1200 lb, UL / ULC listed LED status 0 – 90 second hold open timer (relock) (1) bond status relay 12 / 24 VDC
10LZBRMAG1UL	(1) "L" bracket, (1) "Z" bracket - *for single 1200 lb MAGLOCKS*
MAG5LZUL	(2) "L" brackets, (2) "Z" brackets - *for single 1200 lb MAGLOCKS*
10UBRACKETUL	Bracket kit for mounting a MAGLOCK to a glass door up to ½" thick
10FILLER12UL	½" x ¾" horizontal, right filler plate used to fill or extend door stops - *for single locks only*
10FILLER34UL	¾" x ¾" horizontal, right filler plate used to fill or extend door stops - *for single locks only*
10FILLER58UL	⅝" x ¾" horizontal filler plate used to fill or extend door stops - *for single locks only*
10RIMHOUSING1UL	Provides a more aesthetically pleasing look over standard armature plates - *for single 1200 lb MAGLOCKS*
10SPACER1UL	Vertical "spacer bracket" used when the stop requires the MAGLOCK to be lowered - *for single 1200 lb MAGLOCKS*
10PS12-24	UL / ULC Listed power supply
10PS12-24D	UL / ULC Listed power supply with backup circuit (1.75 A) - *battery NOT included*
50.0334	Screw pack for 10MAGLOCK1UL

See page 88 for Access Control packages

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1200LB MAGLOCKS WITH DS

MAGLOCKS WITH ADJUSTABLE RELOCK TIME DELAY, LOCK (BOND) STATUS SENSOR, AND DOOR STATUS SENSOR



User-Configurable
Adjustable zero to 90 second relock time delay

Enhanced Access Control / Monitoring
Lock (bond) status sensor with visible LED offers either normally open or normally closed output configurations

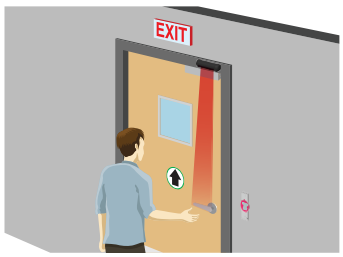
UL 294 Listed*
Listed for access control systems and must be used with a UL Listed power supply

Anti-Tampering
The security screw on the front face blocks access to the bottom of the elctromagnetic lock preventing tampering or dismounting

Convenient Packages Available
Available in access control packages with sensor, logic module, actuator, and MAGLOCK

* This product is UL294-listed up to 1,000 lb static strength.





TECHNICAL SPECIFICATIONS

10MAGLOCK1ULDS	
Lock	Single
Input Voltage	12 or 24 VDC
Relay Rating	1.0 A at 24 VDC resistive
Relay Power Factor	1
Reed Switch Rating	Dry Contacts: 3W (switching contact 0.25 amps max, switching voltage 30VDC max; resistive load)
Reed Switch Power Factor	1
Power Consumption	500 mA at 12 VDC 250 mA at 24 VDC
Dimensions	10 15/32" (W) x 2 7/8" (H) x 1 37/64" (D)
Certification	UL294 (up to 1,000 lb static strength) File #BP10577
Operating Temperature	32 – 120 °F
Operating Humidity	0 – 85%
10MAGLOCK5ULDS	
Lock	Double
Input Voltage	12 or 24 VDC
Relay Rating	1.0 A at 24 VDC resistive
Relay Power Factor	1
Reed Switch Rating	Dry Contacts: 3W (switching contact 0.25 amps max, switching voltage 30VDC max; resistive load)
Reed Switch Power Factor	1
Power Consumption	500 mA at 12 VDC 250 mA at 24 VDC each
Dimensions	21" (W) x 2 7/8" (H) x 1 37/64" (D)
Certification	UL294 (up to 1,000 lb static strength) File #BP10577
Operating Temperature	32 – 120 °F
Operating Humidity	0 – 85%

PRODUCT SERIES

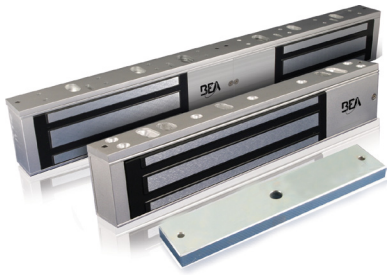
10MAGLOCK1ULDS	Single, 1200 lb, UL / ULC listed LED status 0 – 90 second hold open timer (relock) (1) door status sensor 12 / 24 VDC
10MAGLOCK5ULDS	Double, 1200 lb, UL / ULC listed LED status 0 – 90 second hold open timer (relock) (1) door status sensor 12 / 24 VDC
10LZBRMAG1UL	(1) "L" bracket, (1) "Z" bracket - *for single 1200 lb MAGLOCKS*
MAG5LZUL	(2) "L" brackets, (2) "Z" brackets - *for single 1200 lb MAGLOCKS*
10UBRACKETUL	Bracket kit for mounting a MAGLOCK to a glass door up to ½" thick
10FILLER12UL	½" x ¾" horizontal, right filler plate used to fill or extend door stops - *for single locks only*
10FILLER34UL	¾" x ¾" horizontal, right filler plate used to fill or extend door stops - *for single locks only*
10FILLER58UL	⅝" x ¾" 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*
10SPACER1UL	Vertical "spacer bracket" used when the stop requires the MAGLOCK to be lowered - *for single 1200 lb MAGLOCKS*
10PS12-24	UL / ULC Listed power supply
10PS12-24D	UL / ULC Listed power supply with backup circuit (1.75 A) - *battery NOT included*
50.0340	Cover plate ONLY with DS switch for 10MAGLOCK1ULDS
50.0342	Cover plate ONLY with DS switch for 10MAGLOCK5ULDS
50.0334	Screw pack for 10MAGLOCK1UL

See page 88 for Access Control packages

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600LB MAGLOCKS

MAGLOCKS WITH ADJUSTABLE RELOCK TIME DELAY AND LOCK (BOND) STATUS SENSOR



Customizable
Adjustable zero to 90 second relock time delay

Enhanced Reliability
Lock status sensor with visible LED offers either normally open or normally closed output configurations

UL Listed
Input voltage of 12 / 24 VDC, must be used with UL Listed power supply

Mounting Accessories
Variety of mounting hardware available

Convenient Packages Available
Available in access control packages with request-to-exit sensor, logic module, actuator, power supply, and MAGLOCK





TECHNICAL SPECIFICATIONS

10MAGLOCK3UL	
Lock	Single
Input Voltage	12 or 24 VDC
Relay Rating	1.0 A at 24 VDC resistive
Reed Switch Rating	SPDT 0.5 amp at 30 VAC / VDC resistive
Power Consumption	505 mA × 2 at 12 VDC 260 mA × 2 at 24 VDC
Dimensions	9 27/32" (W) × 1 21/32" (H) × 1" (D)
Certification	UL1034
Operating Temperature	14 – 131 °F
Operating Humidity	0 – 95%
10MAGLOCK6UL	
Lock	Double
Input Voltage	12 or 24 VDC
Relay Rating	1.0 A at 24 VDC resistive
Reed Switch Rating	SPDT 0.5 amp at 30 VAC / VDC resistive
Power Consumption	505 mA × 2 at 12 VDC 260 mA × 2 at 24 VDC
Dimensions	19 3/4" (W) × 1 21/32" (H) × 1" (D)
Certification	UL1034
Operating Temperature	14 – 131 °F
Operating Humidity	0 – 95%

PRODUCT SERIES

10MAGLOCK3UL	Single, 600 lb, UL / ULC listed LED status 0 – 90 second hold open timer (relock) (1) bond status relay 12 / 24 VDC
10MAGLOCK6UL	Double, 600 lb, UL / ULC listed LED status 0 – 90 second hold open timer (relock) (1) bond status relay 12 / 24 VDC
10LZBRMAG3UL	(1) "L" bracket, (1) "Z" bracket - *for single 600 lb MAGLOCKS*
MAG6LZUL	(2) "L" brackets, (2) "Z" brackets - *for single 600 lb MAGLOCKS*
10UBRACKETUL	Bracket kit for mounting a MAGLOCK to a glass door up to ½" thick
10FILLER12UL	½" × ¾" horizontal, right filler plate used to fill or extend door stops - *for single locks only*
10FILLER34UL	¾" × ¾" horizontal, right filler plate used to fill or extend door stops - *for single locks only*
10FILLER58UL	⅝" × ¾" horizontal filler plate used to fill or extend door stops - *for single locks only*
10RIMHOUSING3UL	Provides a more aesthetically pleasing look over standard armature plates - *for single 600 lb MAGLOCKS*
10SPACER3UL	Vertical "spacer bracket" used when the stop requires the MAGLOCK to be lowered - *for single 600 lb MAGLOCKS*
10PS12-24	UL / ULC Listed power supply
10PS12-24D	UL / ULC Listed power supply with backup circuit (1.75 A) - *battery NOT included*
50.0335	Screw pack for 10MAGLOCK3UL

See page 88 for Access Control packages

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600LB MAGLOCKS WITH DS

MAGLOCKS WITH ADJUSTABLE RELOCK TIME DELAY, LOCK STATUS SENSOR, AND DOOR STATUS SENSOR



Customizable
Adjustable zero to 90 second relock time delay

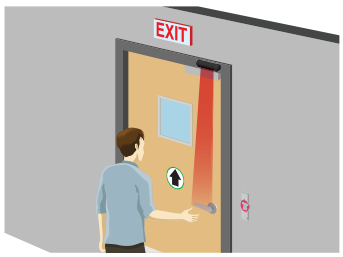
Enhanced Reliability
Lock status sensor with visible LED offers either normally open or normally closed output configurations

UL Listed
Input voltage of 12 / 24 VDC, must be used with UL Listed power supply

Mounting Accessories
Variety of mounting hardware available

Convenient Packages Available
Available in access control packages with sensor, logic module, actuator, and MAGLOCK





TECHNICAL SPECIFICATIONS

10MAGLOCK3ULDS	
Lock	Single
Input Voltage	12 or 24 VDC
Relay Rating	1.0 A at 24 VDC resistive
Relay Power Factor	1
Reed Switch Rating	Dry Contacts: 3W (switching contact 0.25 amps max, switching voltage 30VDC max; resistive load)
Reed Switch Power Factor	1
Power Consumption	500 mA at 12 VDC 250 mA at 24 VDC
Dimensions	10 ½" (W) × 2 ⅞" (H) × 1 ½" (D)
Certification	UL1034
Operating Temperature	14 – 131 °F
Operating Humidity	0 – 95%
10MAGLOCK6ULDS	
Lock	Double
Input Voltage	12 or 24 VDC
Relay Rating	1.0 A at 24 VDC resistive
Relay Power Factor	1
Reed Switch Rating	Dry Contacts: 3W (switching contact 0.25 amps max, switching voltage 30VDC max; resistive load)
Reed Switch Power Factor	1
Power Consumption	505 mA × 2 at 12 VDC 260 mA × 2 at 24 VDC
Dimensions	21" (W) × 2 ⅞" (H) × 1 ½" (D)
Certification	UL1034
Operating Temperature	14 – 131 °F
Operating Humidity	0 – 95%

PRODUCT SERIES

10MAGLOCK3ULDS	Single, 600 lb, UL / ULC listed LED status 0 – 90 second hold open timer (relock) (1) door status sensor 12 / 24 VDC
10MAGLOCK6ULDS	Double, 600 lb, UL / ULC listed LED status 0 – 90 second hold open timer (relock) (1) door status sensor 12 / 24 VDC
10LZBRMAG3UL	(1) "L" bracket, (1) "Z" bracket - *for single 600 lb MAGLOCKS*
MAG6LZUL	(2) "L" brackets, (2) "Z" brackets - *for single 600 lb MAGLOCKS*
10UBRACKETUL	Bracket kit for mounting a MAGLOCK to a glass door up to ½" thick
10FILLER12UL	½" × ¾" horizontal, right filler plate used to fill or extend door stops - *for single locks only*
10FILLER34UL	¾" × ¾" horizontal, right filler plate used to fill or extend door stops - *for single locks only*
10FILLER58UL	⅝" × ¾" horizontal filler plate used to fill or extend door stops
10RIMHOUSING3UL	Provides a more aesthetically pleasing look over standard armature plates - *for single 600 lb MAGLOCKS*
10SPACER3UL	Vertical "spacer bracket" used when the stop requires the MAGLOCK to be lowered - *for single 600 lb MAGLOCKS*
10PS12-24	UL / ULC Listed power supply
10PS12-24D	UL / ULC Listed power supply with backup circuit (1.75 A) - *battery NOT included*
50.0341	Cover plate ONLY with DS switch for 10MAGLOCK3ULDS
50.0343	Cover plate ONLY with DS switch for 10MAGLOCK6ULDS
50.0335	Screw pack for 10MAGLOCK3UL

See page 88 for Access Control packages

UNIVERSAL KEYPAD FAMILY

ACCESS-CONTROL KEYPADS FOR INDOOR AND OUTDOOR USE



Highly Flexible
Allows for up to 1100 user codes

Ideal for Outdoor Environments
IP66 rating ensures the device will withstand the elements in harsh industrial and outdoor environments

Tamper Alarm
Incorporates a tamper alarm feature as a standard option

Multiple Relays
Two-zone feature provides 2 relays and 2 exit button outputs for two-zone applications

Improved Visibility
Back-lit numbers allow for ease of use in dimly lit areas







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	1100
Zone 1	1000 users
Zone 2	100 users
Relock Time	0 – 99 s
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 (VDC) / 48 VA (VAC)
Cable Length	3’
Operating Temperature	-22 – 158 °F
Operating Humidity	0 – 95% (non-condensing)
IP Rating	IP66 (waterproof and dust proof)
Dimensions	
Single gang	3” (W) × 4 7⁄10” (H) × 9⁄10” (D)
Slim-line	1 7⁄10” (W) × 5 9⁄10” (H) × 19⁄20” (D)
Certifications	CE, RoHS
Backlight	Blue keypad illumination

PRODUCT SERIES

10KEYPADU	Universal keypad for indoor and outdoor use
10KEYPADUSL	Universal, slimline keypad for indoor and outdoor use

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LED SIGNAL COLUMN LIGHTS

UL LISTED, SINGLE-COLOR LIGHT

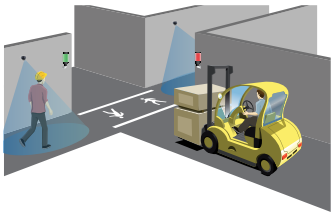


Standards Compliant
UL Listed

Three Highly Visible Colors
Available LED colors include red, green, and yellow

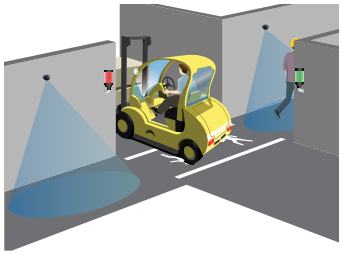
Ideal For Harsh Environments
IP67 rating for maximum performance in harsh environments

Selectable Voltage
18 to 30 VDC supply voltage









TECHNICAL SPECIFICATIONS

Supply Voltage	18 – 30 VDC
Indicator Response Time	
Off Response	10 ms
On Response	10 ms
LED	Red, green, yellow
Connector	78” 4-wire integral cable
Operating Temperature	-40 – 122 °F 95% at 122 °F maximum relative humidity (non-condensing)
Degree of Protection	IP67
Norm Conformity	CE, UL1598 listed, UL8750 listed

PRODUCT SERIES

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
10LIGHTC-GA	Green LED column light with audible signal for signaling applications
10LIGHTC-YA	Yellow LED column light with audible signal for signaling applications
10LIGHTC-RA	Red LED column light with audible signal for signaling applications
10LIGHTBRACKET	LED SIGNAL LIGHT bracket
10PS12-24	UL / ULC Listed power supply

LED SIGNAL MODULAR LIGHTS

UL LISTED, BUILD-YOUR-OWN LIGHTS AND AUDIBLE ALARM



Highly Durable Indicators

UL Listed and IP65 rated to meet the needs of any application

Adjustable Settings

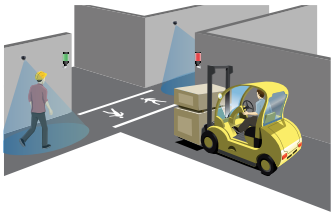
Light units can be programmed to pulse at a rate of 1 ½ or 3 times per second or remain steady

Optional Alerts

Optional, audible alarm unit offers secondary alert method with chirp, siren, continuous, and 1 ½ beeps-per-second configuration settings

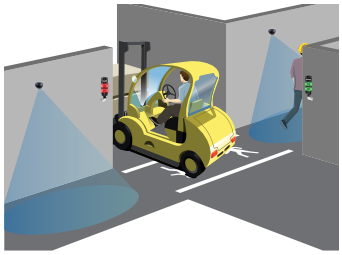
Flexible Indication Solution

Base unit and bracket are designed for a variety of installation









TECHNICAL SPECIFICATIONS

Supply Voltage	12 – 30 VDC
Indicator Response Time	
Off Response	150 µs at 12 – 30 VDC
On Response	180 mSec at 12 VDC; 50 mSec at 30 VDC
LED	Red, green, yellow
Light Flash Rates	1.5 Hz ±10% 3 Hz ±10%
Audible Alarm	2.6 KHz ±250 Hz oscillation frequency; maximum intensity 92 dB at 39.6 in
Audible Adjustment	Rotate the alarm cover; Open to closed is 8 db
Connector	78” 8-wire integral cable
Operating Temperature	-40 – 122 °F 95% at 122 °F maximum relative humidity (non-condensing)
Degree Of Protection	NEMA 4 / IP65
Norm Conformity	CE, UL1598 Listed and UL8750 Listed
Dimensions	
Base	2 ¾" ø × 1 ⅜" (H)
Light Segment	2 ¾" ø × 2 ⅜" (H)
Audible Segment	2 ¾" ø × 2 ¾" (H)

PRODUCT SERIES

10LIGHT-TBASE	LED Modular Signal Light, LED signal base
10LIGHT-TR	LED Modular Signal Light - single color unit (red)
10LIGHT-TG	LED Modular Signal Light - single color unit (green)
10LIGHT-TW	LED Modular Signal Light - single color unit (white)
10LIGHT-TY	LED Modular Signal Light - single color unit (yellow)
10LIGHT-A	Modular, LED signal, audible segment
10LIGHTBRACKET	LED Signal Light bracket
10LIGHTBRACKET-TL70	LED Signal Light bracket - 30mm, 12 gauge SS, curved mounting
10PS12-24	UL / ULC Listed power supply

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LED SIGNAL TRAFFIC LIGHTS

RUGGED, COST-EFFECTIVE SIGNALS FOR
WARNING INDICATION SYSTEMS

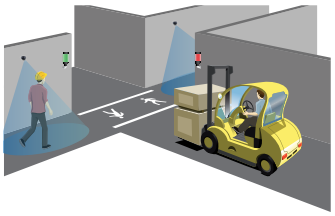


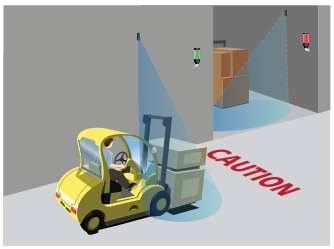
Standards Compliant
Single-light model rated IP67; double-light model rated IP65

Customizable
Controlled field of view for signage and narrow-lane use

Highly Visible
Intense levels of light output for outdoor applications

Dual-Indicator Modes
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	
One Indicator	Red or green
Two Indicator	Red and green
Connections	Field wired
Operating Temperature	-40 – 122 °F
Material	PC
Degree of Protection	
Single	IP67
Double	IP65
Norm Conformity	CE

PRODUCT SERIES

10LIGHTS-G	Traffic, green LED signal light
10LIGHTS-R	Traffic, red LED signal light
10LIGHTS-RG	Traffic, red/green LED signal light
10PS12-24	UL / ULC Listed power supply

2022 BEA SENSING SOLUTIONS

ACCESS CONTROL PACKAGES

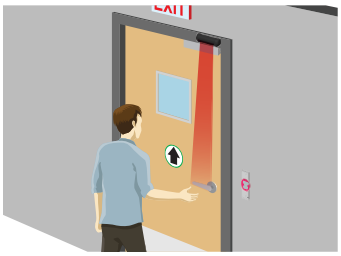
SINGLE-DOOR APPLICATION PACKAGES

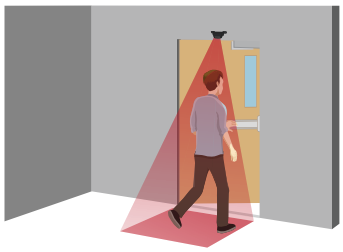


Easy Ordering
Packages for request-to-exit applications

Customizable
Package includes your choice of request-to-exit sensors, 600 or 1200 lb MAGLOCK, coupled with door logic and power

Easy Installation
Wiring diagram included





PRODUCT SERIES

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 - UL power supply, filtered and regulated (1) 10MAGLOCK1UL - 1200 lb MAGLOCK (pg 80) (1) 10R2E100 - Request-to-Exit sensor (pg 31) (1) 10ACPBSS1 - "Push-to-Exit" button (pg 69) (1) 10BR3X - programmable, 3-relay, logic module (pg 49)
10ACP12F	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 - UL power supply, filtered and regulated (1) 10MAGLOCK1UL - 1200 lb MAGLOCK (pg 80) (1) 10FLYKITB - Request-to-Exit sensor (pg 17) (1) 10ACPBSS1 - "Push-to-Exit" button (pg 69) (1) 10BR3X - programmable, 3-relay, logic module (pg 49)

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 - UL power supply, filtered and regulated (1) 10MAGLOCK3UL - 600 lb MAGLOCK (pg 82) (1) 10R2E100 - Request-to-Exit sensor (pg 31) (1) 10ACPBSS1 - "Push-to-Exit" button (pg 69) (1) 10BR3X - programmable, 3-relay, logic module (pg 49)
10ACP6F	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 - UL power supply, filtered and regulated (1) 10MAGLOCK3UL - 600 lb MAGLOCK (pg 82) (1) 10FLYKITB - Request-to-Exit sensor (pg 17) (1) 10ACPBSS1 - "Push-to-Exit" button (pg 69) (1) 10BR3X - programmable, 3-relay, logic module (pg 49)

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LOW-ENERGY PACKAGES

ALL-IN-ONE, REACTIVATION PACKAGES FOR LOW-ENERGY DOORS



Easy Ordering

Convenient solution that includes secondary reactivation and enhanced door logic

Logic Control

LE21 or BR3-X logic disables SUPERSCAN-T until the door is activated by a knowing act device

Door Monitoring

Door position switch monitors state of door to enable / disable sensors



PRODUCT SERIES

LE PACKAGE 6	(1) 10SSTII (length) - SUPERSCAN-T II door-mounted, safety sensor (pg 32 – 34) (1) primary, (1) secondary 34 ½" end cap to end cap (for 36" doors) (1) 10BR3X programmable, 3-relay, logic module (pg 49) (1) 10SWITCH75 magnetic, door position switch ½" gap, NO / NC, SPDT 7/16" diameter, flush mount
LE PACKAGE 6 SECURITY	(1) 10SSTII (length) - SUPERSCAN-T II door-mounted, safety sensor (pg 32 – 34) (1) primary, (1) secondary 34 ½" end cap to end cap (for 36" doors) (1) 10BR3X programmable, 3-relay, logic module (pg 49) (1) 10SWITCH75 magnetic, door position switch ½" gap, NO / NC, SPDT 7/16" diameter, flush mount

PUSH PLATE PACKAGES

ALL-IN-ONE PACKAGE CONTAINING PUSH PLATES, WIRELESS TRANSMITTERS AND RECEIVERS, AND MOUNTING OPTIONS

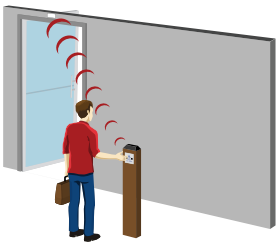


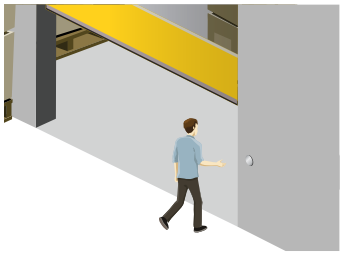
Customizable

Flexible solution offering variety of push plate, mounting, and wireless options

One-Box Solution

Convenient solutions available





PRODUCT SERIES

PANTHER 1	(1) PANTHER plate, any style (pg 61) (1) 10RD433 or 10RD433EH receiver (pg 53) or 10RD900 receiver (pg 54)
PANTHER 2	(2) PANTHER plate, any style (pg 61) (1) 10RD433 or 10RD433EH receiver (pg 53) or 10RD900 receiver (pg 54)
PUSH PLATE 1	Choice of (1) PUSH PLATE, any style* (pg 56 – 63) (1) Matching surface- or flush-mount box (1) Receiver and (1) Transmitter, any frequency (pg 52 – 54) **does NOT include LPR36, JAMB, VESTIBULE, PANTHER, or MAGIC SWITCH*
PUSH PLATE 2	Choice of (2) PUSH PLATES, any style* (pg 56 – 63) (2) Matching surface- or flush-mount boxes (1) Receiver and (2) Transmitters, any frequency (pg 52 – 54) **does NOT include LPR36, JAMB, VESTIBULE, PANTHER, or MAGIC SWITCH*
PUSH PLATE 3	Choice of (1) jamb PUSH PLATE, any style (pg 59) (1) Matching surface-mount box (1) Receiver and (1) Mini transmitter, any frequency (pg 52 – 54)
PUSH PLATE 4	Choice of (2) jamb PUSH PLATES, any style (pg 59) (2) Matching surface-mount boxes (1) Receiver and (2) Mini transmitters, any frequency (pg 52 – 54)
PUSH PLATE 45 ONE-BOX SOLUTION	Choice of (2) 4 ½ in square PUSH PLATES, any style (pg 56) (2) 4 ½" square, surface-mount boxes (1) 433 MHz receiver and (2) 3-volt or 9-volt 433 MHz transmitters (pg 53)
PUSH PLATE 45 900 ONE-BOX SOLUTION	Choice of (2) 4 ½ in square PUSH PLATES, any style (pg 56) (2) 4 ½" square, surface-mount boxes (1) 10TD900PB transmitter and (1) 10RD900 receiver (pg 54)
VESTIBULE 900	(1) 10PBDGP1 - Vestibule PUSH PLATE (pg 63) (1) 4 ¾" square, surface-mount box (2) PUSH PLATE options* with matching mounting boxes (pg 56 – 63) (4) 10TD900PB - 3-volt transmitters and (2) 10RD900 receivers (pg 54) **options include (2) PBS series, (2) PBS45 series, (2) PBS6 series, (2) PBR45 series, (2) PBR series or (2) PBJ series*
VESTIBULE PACKAGE	(1) 10PBDGP1 - Vestibule PUSH PLATE (pg 63) (1) 4 ¾" square, surface-mount box (2) PUSH PLATE options* with matching mounting boxes (pg 56 – 63) (4) 3-volt OR 9-volt transmitters and (2) 10RD433 or 10RD433EH receivers (pg 53) **options include (2) PBS series, (2) PBS45 series, (2) PBS6 series, (2) PBR45 series, (2) PBR series or (2) PBJ series*
VESTIBULE PACKAGE 9V	(1) 10PBDGP1 - Vestibule PUSH PLATE (pg 63) (1) 4 ¾" square, surface-mount box (2) PUSH PLATE options* with matching mounting boxes (pg 56 – 63) (4) 10TD433PB9V - 9-volt transmitters and (2) 10RD433 or 10RD433EH receivers (pg 53) **options include (2) PBS series, (2) PBS45 series, (2) PBS6 series, (2) PBR45 series, (2) PBR series or (2) PBJ series*

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SECURITY PUSH PLATE PACKAGES

CONVENIENT PACKAGES BUILT WITH BEA'S MOST POPULAR PUSH PLATES

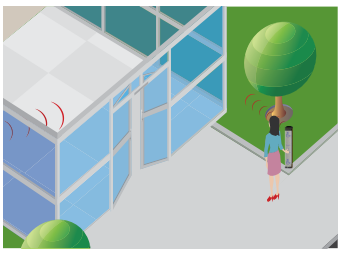


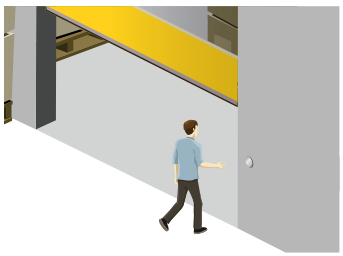
Customizable

Choose from these convenient one-box solutions that include our most popular mounting option, push plate artwork, and wireless transmitters and receivers

One-Box Solutions

Packages available for vestibule and other common knowing-act applications





PRODUCT SERIES

PUSH PLATE 45S-433	(2) 10PBS451 - square PUSH PLATES (pg 56) (2) 10BOX45SQSM - surface-mount boxes (2) 10TD433PB9V - 9-volt 433 MHz transmitter (pg 53) (1) 10RD433 - 433 MHz receiver (pg 53)
PUSH PLATE 45S-900	(2) 10PBS451 - square PUSH PLATES (pg 56) (2) 10BOX45SQSM - surface-mount boxes (2) 10TD900PB - 900 MHz transmitter (pg 54) (1) 10RD900 - 900 MHz receiver (pg 54)
PUSH PLATE 45S-BR2900	(2) 10PBS451 - square PUSH PLATES (pg 56) (2) 10BOX45SQSM - surface-mount boxes (2) 10TD900PB - 900 MHz transmitter (pg 54) (1) 10BR2900 - 2-relay, logic module (pg 48)
PUSH PLATE 45S-HW	(2) 10PBS451 - square PUSH PLATES (pg 56) (2) 10BOX45SQSM - surface-mount boxes ***HARDWIRED SOLUTION ONLY***
PUSH PLATE 475 EBA-900	(2) 10PBS1 - square PUSH PLATES (pg 57) (2) 10BOX475SQSMEBA - surface-mount boxes (2) 10TD900PB - 900 MHz transmitter (pg 54) (1) 10RD900 - 900 MHz receiver (pg 54)
PUSH PLATE 475S-433	(2) 10PBS1 - square PUSH PLATES (pg 57) (2) 10BOX475SQSM - surface-mount boxes (2) 10TD433PB9V - 9-volt 433 MHz transmitter (1) 10RD433 - 433 MHz receiver (pg 53)
PUSH PLATE 475S-900	(2) 10PBS1 - square PUSH PLATES (pg 57) (2) 10BOX475SQSM - surface-mount boxes (2) 10TD900PB - 900 MHz transmitter (pg 54) (1) 10RD900 - 900 MHz receiver (pg 54)
PUSH PLATE 475S-BR2900	(2) 10PBS1 - square PUSH PLATES (pg 57) (2) 10BOX475SQSM - surface-mount boxes (2) 10TD900PB - 900 MHz transmitter (pg 54) (1) 10BR2900 - 2-relay, logic module (pg 48)
PUSH PLATE 475S-HW	(2) 10PBS1 - square PUSH PLATES (pg 57) (2) 10BOX475SQSM - surface-mount boxes ***HARDWIRED SOLUTION ONLY***
PUSH PLATE 6R-433	(2) 10PBR1 - round PUSH PLATES (pg 58) (2) 10BOX6RNDSM - surface-mount boxes (2) 10TD433PB9V - 9-volt 433 MHz transmitter (pg 53) (1) 10RD433 - 433 MHz receiver (pg 53)
PUSH PLATE 6R-900	(2) 10PBR1 - round PUSH PLATES (pg 58) (2) 10BOX6RNDSM - surface-mount boxes (2) 10TD900PB - 900 MHz transmitter (pg 54) (1) 10RD900 - 900 MHz receiver (pg 54)
PUSH PLATE 6R-BR2900	(2) 10PBR1 - round PUSH PLATES (pg 58) (2) 10BOX6RNDSM - surface-mount boxes (2) 10TD900PB - 900 MHz transmitter (pg 54) (1) 10BR2900 - 2-relay, logic module (pg 48)
PUSH PLATE JAMB-433	(2) 10PBJ1 - jamb PUSH PLATES (pg 59) (2) 10BOXJAMBSM - surface-mount boxes (2) 10TD433PB9V - 9-volt 433 MHz transmitter (pg 53) (1) 10RD433 - 433 MHz receiver (pg 56)
PUSH PLATE JAMB-900	(2) 10PBJ1 - jamb PUSH PLATES (pg 59) (2) 10BOXJAMBSM - surface-mount boxes (2) 10TD900PB - 900 MHz transmitter (pg 54) (1) 10RD900 - 900 MHz receiver (pg 54)
VESTIBULE PACKAGE 433	(1) 10PBDGP1 - vestibule PUSH PLATE (pg 63) (1) 10BOX475SQSM - surface-mount boxes (2) 10PBS1 with matching mounting boxes (pg 57) (4) 10TD433PB9V - 9-volt 433 MHz transmitter (pg 53) (2) 10RD433 - 433 MHz receiver (pg 53)
VESTIBULE PACKAGE 900	(1) 10PBDGP1 - vestibule PUSH PLATE (pg 63) (1) 10BOX475SQSM - surface-mount boxes (2) 10PBS1 with matching mounting boxes (pg 57) (4) 10TD900PB - 900 MHz transmitter (pg 54) (2) 10RD900 - 900 MHz receiver (pg 54)

REQUEST-TO-EXIT PACKAGES

CONVENIENT DOOR PACKAGES FOR REQUEST-TO-EXIT APPLICATIONS



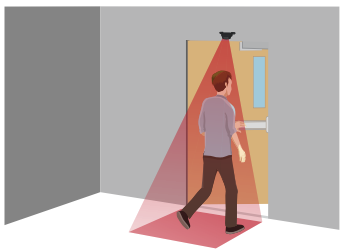
Customizable

Select your choice of MAGLOCK DS (available in either 600 or 1200 lb holding force) and your choice of BEA exit sensor (either R2E-100 or FLY Kit)

One-Box Solutions

Convenient packages offer superior pricing and whole-door solution





PRODUCT SERIES

10ACP12DS	(1) 10R2E100 - UL / ULC Listed, active infrared request-to-exit detector specifically designed for access control applications (pg 31) (1) 10PS12-24 - UL, filtered and regulated power supply (pg 100) (1) 10ACPBSS1 - Push-to-Exit button (pg 69) (1) 10BR3X - programmable 3-relay logic module (pg 49) (1) 10MAGLOCK1ULDS - 1200 lb MAGLOCK (pg 81)
10ACP6DS	(1) 10R2E100 - UL / ULC Listed, active infrared request-to-exit detector specifically designed for access control applications (pg 31) (1) 10PS12-24 - UL, filtered and regulated power supply (pg 100) (1) 10ACPBSS1 - Push-to-Exit button (pg 69) (1) 10BR3X - programmable 3-relay logic module (pg 49) (1) 10MAGLOCK3ULDS - 600 lb MAGLOCK (pg 83)
10ACP12FDS	(1) 10FLYKITB - Request-to-Exit sensor (pg 17) (1) 10PS12-24 - UL, filtered and regulated power supply (pg 100) (1) 10ACPBSS1 - Push-to-Exit button (pg 69) (1) 10BR3X - programmable 3-relay logic module (pg 49) (1) 10MAGLOCK1ULDS - 1200 lb MAGLOCK (pg 81)
10ACP12FDS	(1) 10FLYKITB - Request-to-Exit sensor (pg 17) (1) 10PS12-24 - UL, filtered and regulated power supply (pg 100) (1) 10ACPBSS1 - Push-to-Exit button (pg 69) (1) 10BR3X - programmable 3-relay logic module (pg 49) (1) 10MAGLOCK3ULDS - 600 lb MAGLOCK (pg 83)

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EMERGENCY ADD-ON KIT

FOR SINGLE-OCCUPANCY RESTROOMS



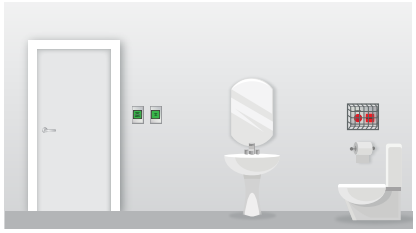
For Outside Signaling
"ASSISTANCE REQUIRED" signal (LED + adjustable sounder)

Combined Unit for Ease of Installation
"PUSH FOR EMERGENCY ASSISTANCE" button + indicator (LED + selectable sounder)

Signage Available in English and French
Double-sided signage offers French and English emergency notice

Code Compliant
Ontario Regulation 368 / 13 compliant





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)
Materials	Stainless steel and PC
Dimensions	
Single-gang faceplate	2 ¾" (W) × 4 ½" (H)
White Lens (B-31695)	2 ¼" (W) × 4" (H) × 3 ⅛" (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
Materials	Stainless steel and PC
Accessory	Rubber weather gasket included
Certifications	FCC
Dimensions	4 ½" (W) × 4 ½" (H)
70.5675	
Material	Polystyrene
Dimensions	12" (W) x 5 ½" (H)
Language	Double-sided, French/English

PRODUCT SERIES

10EMERGENCYKIT	Emergency Add-On Kit includes: (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
10RESTROOMKIT	Restroom Kit includes: (1) 10PTLBUTTON, (1) 10LEDSOUNDER, (1) 10SWITCH1084, and (1) 10BR3X
1012VAC	12 VAC (20 VA) transformer
1024VAC	24 VAC (40 VA) transformer

RESTROOM KIT

FOR SINGLE-OCCUPANCY, NORMALLY LOCKED/UNLOCKED RESTROOMS



Advanced Logic with Restroom Functionality
BR3-X (13-function advanced logic module) controls locking and sequencing functionality

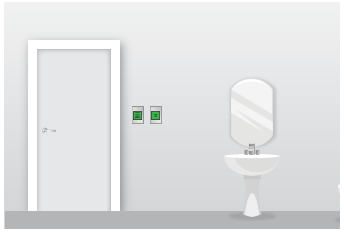
Highly Visible and Audible
Occupied Indicator with LED

Visual Lock Confirmation
Push-to-Lock Button with LED

Door Position Reset For Proper Functionality
Door position switch ensures proper positioning of the door before resetting the system

Code Compliant
Ontario Regulation 368/13 compliant





TECHNICAL SPECIFICATIONS

10BR3X	
See page 49	
10LEDSOUNDER	
Voltage	12 – 24 VAC/VDC ±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 1/13" (W) × 4 ½" (H) × ¾" (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 closed
Gap Distance Max.	2"

PRODUCT SERIES

10RESTROOMKIT	Restroom Kit includes: (1) 10PTLBUTTON (1) 10LEDSOUNDER (1) 10SWITCH1084 (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 (1) 10ARS
10MAGLOCK1UL	1200 lb, single
10MAGLOCK3UL	600 lb, single
10STRIKECU	UNIVERSAL CYLINDRICAL electric strike
10STRIKERE	RIM EXIT electric strike
10SWITCH1084	Door position switch
10PS12-24	UL / ULC Listed power supply
1012VAC	12 VAC (20 VA) transformer
1024VAC	24 VAC (40 VA) transformer

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PARALLAX PACKAGES

ALL-IN-ONE, ACTIVATION AND SAFETY PACKAGES FOR SWING DOORS

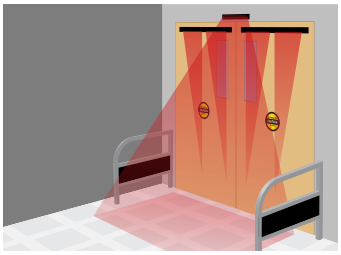


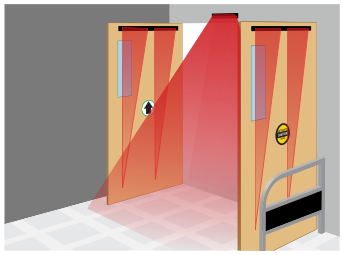
All-Around Detection

Overhead motion detection with EAGLE, overhead presence detection with BODYGUARD-T (extension bracket included), door-mounted presence detection with SUPERSCAN T

BODYGUARD-T Inhibition

Lock out module (sold separately) to inhibit header-mounted safety sensor (BODYGUARD-T) while door is closing





PRODUCT SERIES

PARALLAX I	(1) 10EAGLE - Overhead activation sensor (pg 11)
	(1) 10BODYGUARDT - Header-mounted safety sensor (pg 16)
	(2) 10SSTII - SUPERSCAN-T II door-mounted safety sensor (pg 32 – 34)
	(1) 10BODYMNT - Spacer for BODYGUARD-T (pg 16)
	(1) 10SSQD - Quick-Disconnect Cable for SUPERSCAN-T (pg 32 – 34)
	(1) 1024VAC - Power supply (pg 100)
PARALLAX II	(1) 10EAGLE - Overhead activation sensor (pg 11)
	(1) 10BODYGUARDT - Header-mounted safety sensor (pg 16)
	(4) 10SSTII - SUPERSCAN-T II door-mounted safety sensor (pg 32 – 34)
	(1) 10BODYMNT - Spacer for BODYGUARD-T (pg 16)
	(2) 10SSQD - Quick-Disconnect Cable for SUPERSCAN-T (pg 32 – 34)
	(1) 1024VAC - Power supply (pg 100)

PARALLAX DE	(2) 10EAGLE - Overhead activation sensor (pg 11)
	(2) 10BODYGUARDT - Header-mounted safety sensor (pg 16)
	(4) 10SSTII - SUPERSCAN-T II door-mounted safety sensor (pg 32 – 34)
	(2) 10BODYMNT - Spacer for BODYGUARD-T (pg 16)
	(2) 10SSQD - Quick-Disconnect Cable for SUPERSCAN-T (pg 32 – 34)
	(1) 1024VAC - Power supply (pg 100)
PARALLAX II DE LITE	(2) 10EAGLE - Overhead activation sensor (pg 11)
	(2) 10BODYGUARDT - Header-mounted safety sensor (pg 16)
	(2) 10SSTII - SUPERSCAN-T II door-mounted safety sensor (pg 32 – 34)
	(2) 10BODYMNT - Spacer for BODYGUARD-T (pg 16)
	(2) 10SSQD - Quick-Disconnect Cable for SUPERSCAN-T (pg 32 – 34)
	(1) 1024VAC - Power supply (pg 100)



BOLLARDS

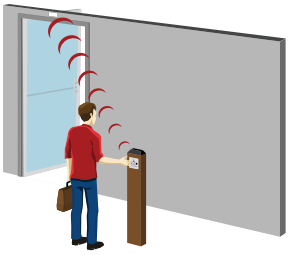
MOUNTING POST FOR PUSH PLATES

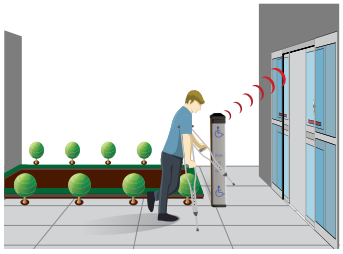
Enhances Accessibility
Compatible with most push plate shapes and sizes, bollards provide a mounting surface for ADA-compliant actuators

Versatile Mounting
Can be mounted either on existing concrete or in newly poured concrete

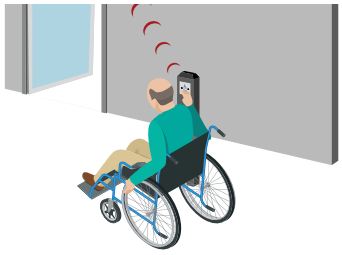
Variety Of Styles Available
Available in silver, bronze, and black and with or without hole

Wireless Compatibility
UV-resistant ABS plastic cap allows for transmission when using wireless transmitters









TECHNICAL SPECIFICATIONS

Dimensions (with cap)	41 ½" (H) × 6 ¼" (W) × 4 ¼" (D)
Materials	
Post	Powder-coated, carbon steel (exterior + partial interior)
Cap	UV-resistant ABS
Bracket	Stainless steel
Push Plate Compatibility*	4 ½" square, 4 ¾" square (including PANTHER) Dual-vestibule, 4 ½" round
Weight	35 lb
Color	Black, bronze, or silver
Hardware	
Post	½" × 13 UNC × 1" socket-head bolts (4) – 5/16" hex
Cap	#6 × ¾" sheet metal screws (3) and #6 finishing washers (3)
Bracket	3" expansion anchors (4), lock washers (4), and nuts (4)

* "Without hole" versions will accommodate 6" square and 6" round PANTHER plates as well as surface-mount card readers, keypads, or other surface-mount devices.

PRODUCT SERIES

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 (silver)
10BOLLARDBRZWOH*	Mounting post without precut mounting holes (bronze)
50.0073	Plastic, transmitter shelf for BOLLARD
50.5320	BOLLARD hardware pack includes: Larger compression bolts Undercut screws Washers
70.0195	BOLLARD cap
70.5022	U-shaped BOLLARD mounting bracket (bracket only), larger screw holes

* Hardware included.

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MOUNTING BOX EBA

MOUNTING BOX WITH EASY BATTERY ACCESS



Unique Two-Piece Design

- Ensures easy installation
- Allows for quick battery replacement compared to standard mounting boxes
- Eliminates the need to disassemble the push plate from the back
- Improves wireless transmitter accessibility compared to small change-out compartments

Convenient Access

Locking screw secures box to mounting plate

Compatibility

Designed for BEA's most popular push plate design









TECHNICAL SPECIFICATIONS

Dimensions	5 13/32" (W) × 5 13/32" (H) × 1 31/32" (D)
Materials	
Box	ABS
Locking Screw	Stainless steel

PRODUCT SERIES

10BOX475SQSMEBA	Mounting box with easy battery access
10PBS	4 ¾" square push plate, "Push To Open" text only
10PBS1	4 ¾" square push plate, "Push To Open" text and accessibility logo
10PBSLL	4 ¾" square push plate, accessibility logo only
10PBS10	4 ¾" square push plate, plain
10PBSE	4 ¾" square push plate, "Push To Exit" text only
10PBS1B	4 ¾" square push plate, white on blue "Push To Open" text and accessibility logo
10PBS1SB	4 ¾" square push plate, blue on satin brass "Push To Open" text and accessibility logo
10PBS1BB	4 ¾" square push plate, blue on bright brass "Push To Open" text and accessibility logo
10TD900PB	Hardwired transmitter
10TD433PB3V	Wired transmitter, with flag connectors, 1-button (3-volt battery)
10TD433PB9V	Wired transmitter, with flag connectors, 1-button (9-volt battery)
10PBBRACKET	Surface mount kit
10PBBRACKETCA	Surface mount kit, clear anodized
10WRSQ475	PBS series weather ring

INSTALLATION ACCESSORIES

BEA'S LINE OF SUPPLEMENTAL DOOR ACCESSORIES

PRODUCT SERIES

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 for sensor setup
10SPOTFINDER	Active-infrared-spot finder
10SWITCH75	Magnetic, door position switch ½" gap, NO / NC, SPDT 0.44" diameter, flush mount
10SWITCH1076	Magnetic, door position switch ¾ to 2" gap, NO / NC, SPDT 0.875" diameter, flush mount
10SWITCH1084	Magnetic, door position switch 2" gap, NO, SPDT surface mount with terminal strip
10SWITCH1277	Magnetic, door position switch ½" gap, NO / NC, SPDT 0.375" diameter, flush mount
30.5580	Magnetic, door position switch ¾" gap, NO, SPST 0.375" diameter, flush mount
50.5283	Magnetic, door position switch ¾" gap, NO, SPST, flush mount



10DOORSWITCH



10DPG50



10RELXXX



10REMOTE



10SPOTFINDER



10SWITCH75



10SWITCH1076



10SWITCH1084



10SWITCH1277



30.5580



50.5283

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JAMB CAM

JAMB-MOUNTED, COLOR VIDEO CAMERA

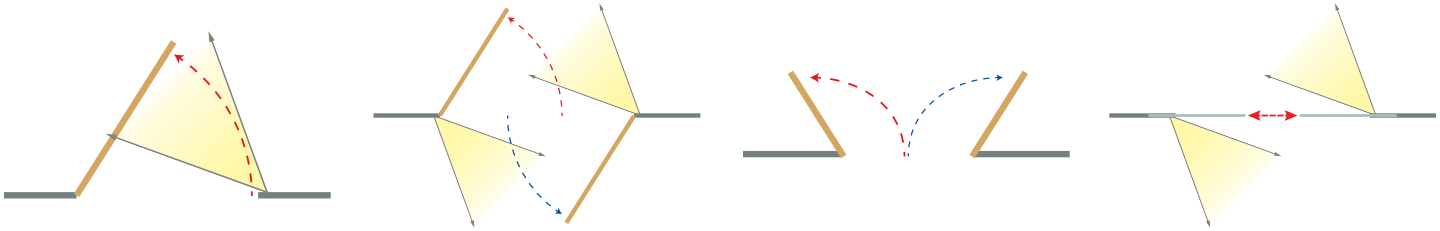


High Resolution Video
Full-color video with resolution of 480 by 720 (480p)

Visual Coverage of Door Threshold
Wide angle lens for complete view of door and traffic flow

Easy to Install
Integrated voltage regulator for installation convenience

Low-Profile Camera
Low-profile design minimizes accidental damage from shopping carts and other errant objects



TECHNICAL SPECIFICATIONS

Supply Voltage	6.6 – 36 VDC; ±10% 6.0 – 28 VAC; ±10%
Operating Temperatures	-22 – 140 °F (relative humidity 95% max) (-30 – 60 °C)
Video Output	1.0 (Vp-p) / 75 Ω
Image Sensor	CMOS
Horizontal Resolution	480 TVL
NTSC Output	720 (H) × 480 (W)
Sync System	Inter-Sync
Frame Rate	30 fps
Minimum Illumination	0.01 LUX
AE Control	Auto
Gain Control	Auto
Electronic Shutter	1 s ~ 1/10,000 s
S/N Ratio	> 50 dB
AWB	Auto
Dimensions	1 ¾" (W) × 3" (H) × ¾" (D)

PRODUCT SERIES

10JAMBCAM	Jamb-mounted, color video camera
10IXIODT1V	IXIO-DT1 with integrated video
20.5316	14' camera harness and power supply

POWER SUPPLIES AND TRANSFORMERS

Can be used with select BEA products that require additional power



10PS12-24



10PS12-24D



10PSST242



10PSMDR2024



10PSVR5T



1012VAC



1024VAC

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 A	1.75 A
Max. Alarm Load DC	1.75 A	1.75 A
Battery (optional)	12 VDC	24 VDC
Output (Stand-by)		
VDC	12 VDC / 7 AH battery	12 VDC / 7 AH battery
4 Hr. of Stand-by and 5 Minutes of Alarm	Stand-by = 1.25 A	Alarm = 1.25 A
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 ½" (W) × 8 ½" (H) × 3 ½" (D)	
Norm Conformity	UL Listed (UL294), ULC 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)	

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 A	1.75 A
Max. Alarm Load DC	1.75 A	1.75 A
Battery (optional)	12 VDC	24 VDC
Output (Stand-by)		
VDC	12 VDC / 7 AH Battery	12 VDC / 7 AH Battery
4 Hr. of Stand-by and 5 Minutes of Alarm ***Battery not included***	Stand-by = 1.25 A	Alarm = 1.25 A
Output	Selectable 12 VDC or 24 VDC power limited outputs Class 2 Rated power limited outputs 1.75 A continuous supply current at 12 VDC or 24 VDC Filtered and electronically regulated output Short circuit and thermal overload protection	
Input	115 VAC / 60 Hz, 0.6 A	
Supervision	AC fail supervision (form "C" contacts) Dry trigger output (form "C" contacts)	
Fire Alarm Interface	Dry trigger input	
Visual Indicators	AC input and DC output LED indicators	
Enclosure Dimensions	13 ½" (W) × 13" (H) × 3 ¼" (D)	
Norm Conformity	UL Listed for Access Control Systems (UL294), ULC 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 ⅜" (W) × 1 ⅛" (H) × 2 ½" (D)
All Other Units	1 ⅝" (W) × 1" (H) × 2 ⅜" (D)
Degree of Protection	CE

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	⅞" (W) × 3 ½" (H) × 4" (D)

PRODUCT SERIES

10PS12-24	UL / ULC Listed power supply
10PS12-24D	UL / ULC Listed power supply with backup circuit (1.75 A) *battery NOT included*
10PSMDR2024	DIN rail power supply, 100 – 240 VAC / 24 VDC
10PSVR5T	Voltage regulator, 24 VAC / 24 VDC
1012VAC	12 VAC (20 VA) transformer
1024VAC	24 VAC (40 VA) transformer
10PSST242	Plug-in power supply

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