R2E-100

FOCUSED ACTIVE INFRARED REQUEST TO EXIT SENSOR



PRIMARY APPLICATIONS



Focuses On Door Handle



Ignores Cross-Traffic



Virtual Push Plates

DESCRIPTION

BEA's UL Listed R2E-100 is part of the portfolio of request to exit products including presence sensors, power supplies, heavy duty piezoelectric devices, illuminated buttons, access keypads, maglocks and other peripheral devices.

With an active infrared (AIR) detection zone focused directly on the door handle, the R2E-100 only detects people intending to exit through the door. This is achieved through the specific act of reaching for the door handle.

The AIR based R2E-100 improves accuracy of detection as compared to passive infrared (PIR) technology including ground based errors, PIR sensor spoofing, known PIR vulnerabilities (hot air, background objects, cross traffic).

FEATURES & BENEFITS

- UL 294 Listed
- Adjustable tilt angle from 0° to 10°
- Adjustable detection range from 20 to 48 inches*
- Low profile sensor mounts on or above the door frame
- Multiple re-locking modes for timed or door position conditions
- Relay output consists of two Form "C" contacts for NO / NC wiring
- Three DRY auxiliary inputs: request to exit, card reader and push button

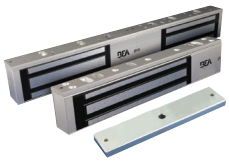
*The R2E-100 can accommodate swinging doors up to 7 feet

A HALMA COMPANY

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RELATED REQUEST TO EXIT PRODUCTS



MAGLOCKS



FLY KIT



BR3 LOGIC MODULE



ACTUATORS



ELECTRIC STRIKES



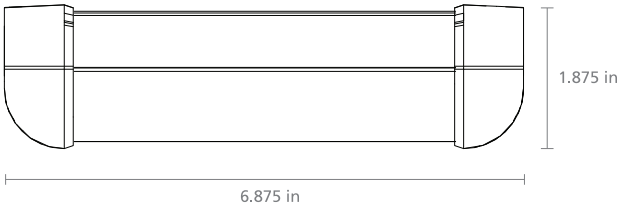
POWER SUPPLIES

TECHNICAL SPECIFICATIONS

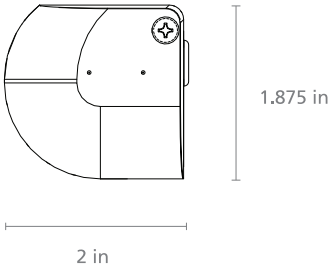
Detector Type	Focused Active Infrared
Supply Voltage	12 to 24 VAC/VDC; ±10% @ 60 Hz
Current	
Sounder OFF Sounder MAXIMUM	155 mA 200 mA
Temperature (UL Install)	+32°F to +120°F
Temperature	–20°F to +120°F
Humidity (UL Install)	0% to 85%
Humidity (non-condensing)	0% to 93%
Relay	2 Form "C" contact sets;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

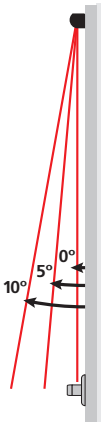
DIMENSIONAL DRAWINGS

FRONT VIEW



SIDE VIEW





PRODUCT FAMILY



10R2E-100
FOCUSED ACTIVE
INFRARED SENSOR

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