R2E-100
FOCUSED ACTIVE INFRARED REQUEST TO EXIT SENSOR

DESCRIPTION
BEA's UL Listed R2E-100 is a request-to-exit sensor with an active infrared (AIR) detection zone focused directly on the door handle. This allows the R2E-100 to only detect people intending to exit through the door as they reach 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 / ULC S319 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
RELATED REQUEST TO EXIT PRODUCTS

TECHNICAL SPECIFICATIONS

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

DIMENSIONAL DRAWINGS

RELATED PRODUCTS

MAGLOCKS
FLY KIT
BR3 LOGIC MODULE
ACTUATORS
ELECTRIC STRIKES
POWER SUPPLIES

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