



BEA ARCHITECTURAL SPECIFICATION SHEET

Sliding Door Solutions: IXIO-DT1

Product Specifications

Activation and Safety Sensor, Sliding/Telescopic Doors: Provide a UL listed automatic sliding entrance door sensor capable of providing motion detection activation and presence detection safety, along the door opening, via microwave (motion detection) K-band (24.125GHz) and active infrared technologies.

1. Product shall be listed to UL 325 - Door, Drapery, Gate, Louver, and Window Operators and Systems
2. Mounting Range Capabilities:
 - a. Mounting Height Standard: 78 in. to 138 in. (198.12 cm to 350.52 cm)
3. Thermal Range Requirements: Provide sensor that can be used in all climates, allow for thermal range from minus 14° F to 131° F (-10° C to 55° C)
4. Activation portion of the sensor shall detect a 28 inch (71.12 cm) minimum high person, moving at a rate of 2.2 (5.6 cm) inches per second minimum toward the center of the door, within the detection areas described per ANSI 156.10
 - a. The sensor shall provide a maximum field of motion detection of 156 in. wide up to 98 in. deep. (396.24 cm x 248.92 cm)
 - b. Microwave activation portion of the sensor shall have bi-directional, uni-directional or motion tracking sensing capabilities and utilize a flat planar antenna.
 - c. Provide a means to adjust the activation zone vertical angle from 0 degrees to 45 degrees as measured from the face of the door
 - d. Infrared curtains shall have angle adjustment capability from -7 ° to 4 ° and shall be capable of reaching within 2 inches (5.1 cm) of the face of the sliding door.
 - e. The infrared curtains shall not shut off at any door position.
 - f. The presence detection shall consist of two (2) curtains with a total of 48 infrared spots and shall be used for the purpose of pedestrian detection, along the door opening, on both sides of the door.
 - g. Infrared portion of the sensor shall be able to detect a motionless 28" (71.1cm) High x 12" (30.5cm) Wide x 8" (20.3cm) Deep test object for a minimum of 30 seconds.
 - h. Presence (Infrared pattern): The infrared field shall be adjusted via a shutter and provide at least 4 different patterns widths with a minimum of 42 in (106.68 cm) when mounted at 86 in. (218.44 cm) and a maximum width of 138 in. (350.52 cm) when mounted at 138 in. (350.52 cm).

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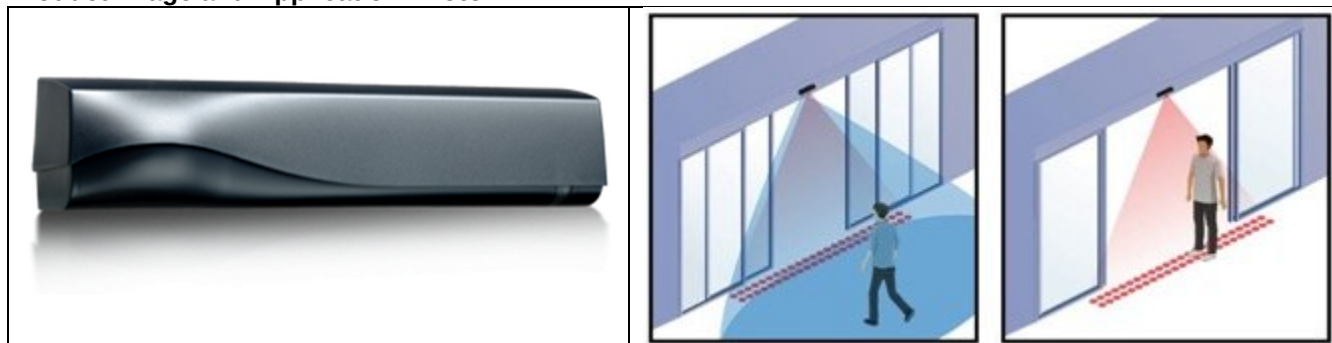


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- i. Infrared Automatic Learn time: Factory setting for “learn mode” to be compliant per ANSI 156.10 minimum learn time of 30 seconds. Auto learn modes shall be adjustable to infinity.
5. Sensor shall provide visible spots to verify placement of infrared field.
6. Sensor shall be fully adjustable by remote control and/or LCD display and provide a means to prevent unauthorized adjustments.
7. Sensor shall have internal monitoring for fault conditions and provide for a means of external monitoring by door control.
8. Product shall be installed by a technician who is AAADM certified

Product image and Application Photo



Technical Specs:

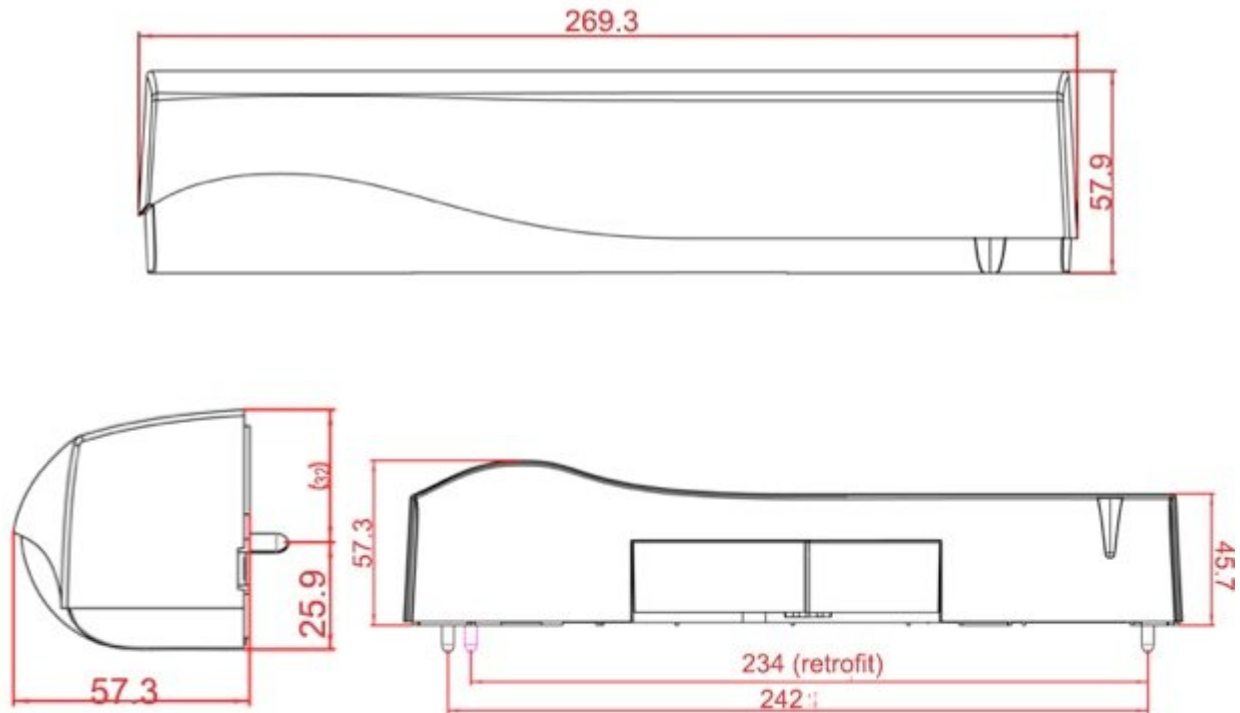
Technology	Microwave Doppler Radar	Infrared
Detection mode	Motion	Presence
Transmitter Frequency	24.150 GHz	N/A
Transmitter Radiated Power	< 20 dBmEIRP	N/A
Transmitter Power Density	< 5 mW/cm ²	N/A
Spot Size	N/A	2 in × 2 in (5.1 cm x 5.1 cm)
Max. Number of Spots	N/A	24 per curtain
Max. Number of Curtains	N/A	2
Supply Voltage	12 to 24 VAC 50/60 Hz 12 to 35 VDC	
Output	Solid-state-relay (potential and polarity free)	
Max. Contact Current	400 mA	

Max. Contact Voltage	42 VDC
Adjustable hold time	Microwave: 0.5 to 9 sec.
Power Consumption	< 2.5 W
Mounting Height	78 in. – 138 in. (198.2 cm to 350.52 cm)
Temperature Range	Sensor: -31°F to +131°F (-35°C to 55°C) LCD: 14°F to +131°F (-10°C to 55°C) 0 to 95% relative humidity, non condensing
Protection Degree	IP54
Norm Conformity	R&TTE 1999/5/EC; EMC 2004/108/EC; MD 2006/42/EC; RoHS 2002/95/EC
Cable Length	120 in (304.8 cm)



Dimensions:

10.6" W x 2.25"D X 2.28"H



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