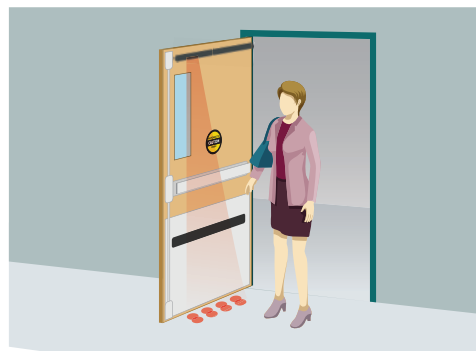


QUADSCAN

ACTIVE INFRARED PRESENCE SENSOR



PRIMARY APPLICATIONS



DESCRIPTION

BEA's Quadscan is a presence sensor designed for use on pedestrian automatic swinging doors.

The Quadscan can be mounted at heights ranging from 43 to 118 inches. At a 78-inch mounting height, four active infrared safety spots provide approximately 15.75 inches of safety protection per sensor.

The Quadscan output offers individual safety side and approach side relays.

Four DIP switches provide user friendly adjustment for door side, AIR frequency, background reflectivity and uncovered zone height.

FEATURES & BENEFITS

- Easy installation and setup without need for remote control
- Four DIP switches for user friendly adjustments
- Master / slave configuration for ease of wiring
- External monitoring* for improved system safety

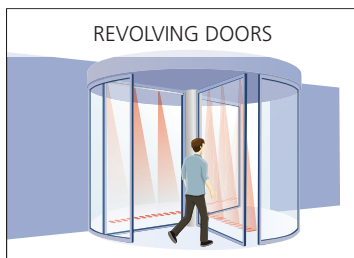
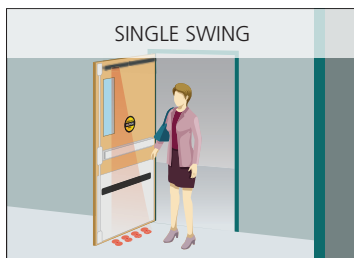
* External monitoring requires a monitoring capable door control



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Pittsburgh, PA 15275-1213

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Technical Support: 800.407.4545
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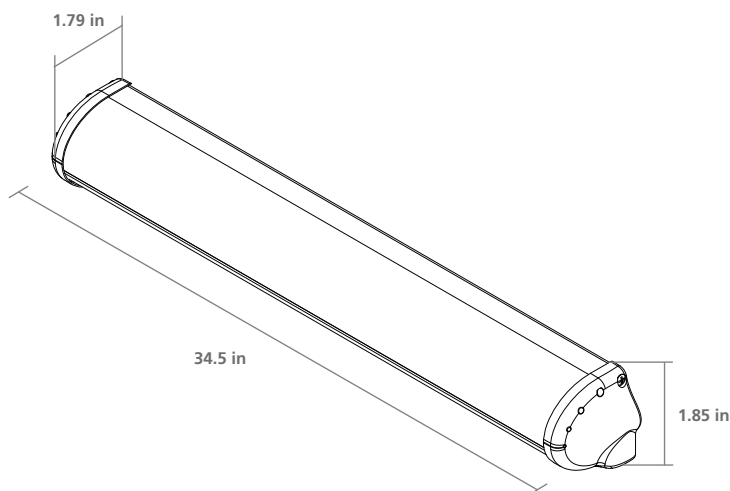
APPLICATIONS



TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Mounting Height	43 in – 118 in (3 ft 7 in – 9 ft 10 in)
Max. Number of Modules	4; up to 6 if 24 VDC
Detection Field at Finished Floor	15.75 in (W) x 2.75 in (D) @ 78 in (H)
Range Adjustment	Mechanical range adjustment screw
Reaction Time	64 ms (typical)
Input	1 optocoupler (free of potential contact)
Max. Contact Voltage	30 V
Voltage Threshold	High: > 10 VDC; Low: < 1 VDC
Output	2 Relays 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)
Supply Voltage	12 V – 24 VAC ±10% 12 V – 30 VDC –5%; 10%
Max Power Consumption (EACH MODULE)	65 mA @ 24 VAC 75 mA @ 24 VDC
Object Reflectivity	Min. 5% @ IR-wavelength of 850 nm
Degree of Protection	IP53
Temperature Range	–13 °F – 131 °F (–25 °C – 55 °C) 0 – 95% Relative Humidity, Non-condensing
Norm Conformance	EMC 2004 / 108 / EC; MD 2006 / 42 / EC; EN ISO 13849-1:2008; Performance Level CAT 2; EN 12978

TECHNICAL DRAWING



RELATED PRODUCTS



QUADSCAN
DOOR MOUNTED,
ACTIVE INFRARED
SAFETY SENSOR



10QSMaster
SENSOR MODULE

Quadscan Series	Part Number	Description
Quadscan I	10QUADSCANI	1 Module 34.5 in end cap to end cap
Quadscan II	10QUADSCANII	2 Modules 34.5 in end cap to end cap

Quadscan Custom Series	Part Number	Description
Quadscan I	10QUADSCANICUSTOM	1 Module Custom Length
Quadscan II	10QUADSCANIICUSTOM	2 Modules Custom Length

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