



QUADSCAN

ACTIVE INFRARED PRESENCE SENSOR



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TECHNOLOGY



CERTIFICATIONS



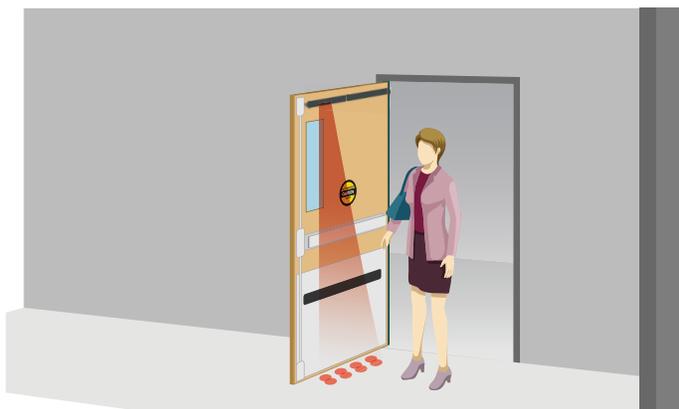
DESCRIPTION

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 ¾ 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.



Easy Setup And Install

Easy installation and setup without need for remote control

Customizable

Four DIP switches for user friendly adjustments; Primary / secondary configuration for ease of wiring



Standards Compliant

External monitoring* for improved system safety when paired with a monitoring capable door control

*External monitoring requires a monitoring capable door control

APPLICATIONS



Single Swing



Revolving Doors

TECHNICAL SPECIFICATIONS

Technology	Active Infrared
Mounting Height	3' 7" – 9' 10"
Max. Number of Modules	4; up to 6 if 24 VDC
Detection Field at Finished Floor	15 ¾" (W) x 2 ¾" (D) @ 78" (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 – 131 °F (-25 – 55 °C) 0 – 95% Relative Humidity, Non-condensing
Norm Conformity	EMC 2004 / 108 / EC; MD 2006 / 42 / EC; EN ISO 13849-1:2008; Performance Level CAT 2; EN 12978

PRODUCT SERIES



SERIES BREAKDOWN

QUADSCAN SERIES	Part Number	Description
QUADSCAN I	10QUADSCANI	1 Module 34 ½" end cap to end cap
QUADSCAN II	10QUADSCANII	1 Modules 34 ½" 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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