



# 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

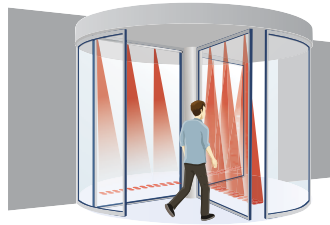
External monitoring\* for improved system safety when paired with a monitoring capable door control

\*External monitoring requires a monitoring capable door control

## APPLICATIONS



Single Swing

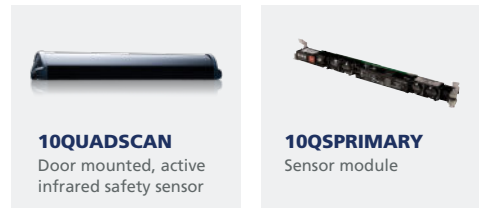


Revolving Doors

## TECHNICAL SPECIFICATIONS

<b>Technology</b>	Active Infrared
<b>Mounting Height</b>	3' 7" – 9' 10"
<b>Max. Number of Modules</b>	4; up to 6 if 24 VDC
<b>Detection Field at Finished Floor</b>	15 ¾" (W) x 2 ¾" (D) @ 78" (H)
<b>Range Adjustment</b>	Mechanical range adjustment screw
<b>Reaction Time</b>	64 ms (typical)
<b>Input</b>	1 optocoupler (free of potential contact)
Max. Contact Voltage	30 V
Voltage Threshold	High: > 10 VDC; Low: < 1 VDC
<b>Output</b>	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)
<b>Supply Voltage</b>	12 V – 24 VAC ±10% 12 V – 30 VDC –5%; 10%
<b>Max Power Consumption (EACH MODULE)</b>	65 mA @ 24 VAC 75 mA @ 24 VDC
<b>Object Reflectivity</b>	Min. 5% @ IR-wavelength of 850 nm
<b>Degree of Protection</b>	IP53
<b>Temperature Range</b>	-13 – 131 °F (-25 – 55 °C) 0 – 95% Relative Humidity, Non-condensing
<b>Norm Conformity</b>	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
<b>QUADSCAN I</b>	10QUADSCANI	1 Module 34 ½" end cap to end cap
<b>QUADSCAN II</b>	10QUADSCANII	1 Modules 34 ½" end cap to end cap
QUADSCAN CUSTOM SERIES	Part Number	Description
<b>QUADSCAN I</b>	10QUADSCANICUSTOM	1 Module Custom Length
<b>QUADSCAN II</b>	10QUADSCANIICUSTOM	2 Modules Custom Length

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