IXIO-DT1 INDUSTRIAL

MOTION AND PRESENCE SENSOR
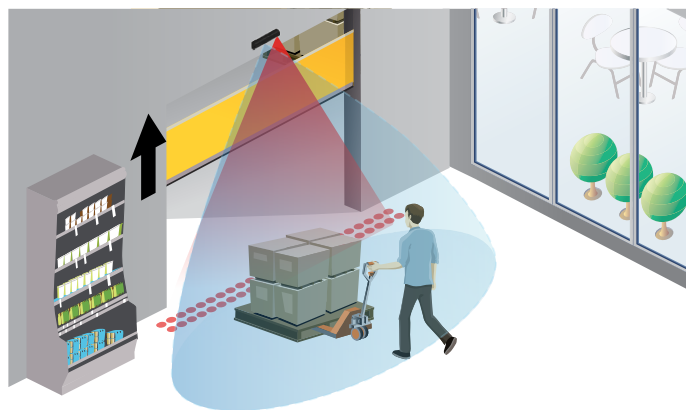FOR INTERIOR INDUSTRIAL DOORS

VIDEO

TECHNOLOGY

CERTIFICATIONS

FCC

DESCRIPTION

BEA's dual technology **IXIO-DT1 INDUSTRIAL** is a highly flexible and user friendly motion and presence sensor for interior industrial doors, vehicle gate detection and off-door automation.

This cutting-edge sensor has earned an impressive list of credentials and certifications, including FCC and IP54.

Energy Efficient

Ten microwave activation sensitivity settings and three infrared safety immunity settings

Enhanced Accessibility

PRM mode for applications frequently used by persons with reduced mobility (i.e. wheelchair or elderly traffic)
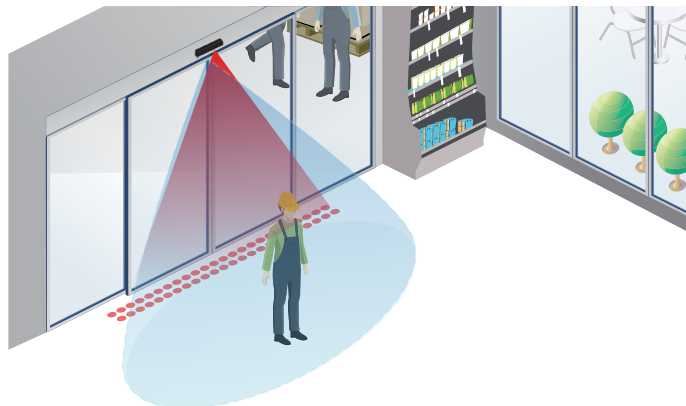
Precise Presence Detection

Two 24-spot, high-density, infrared safety curtains providing precise presence detection

Easily Adjustable

Four visible red alignment spots are projected on the ground to assist in precise IR curtain adjustment
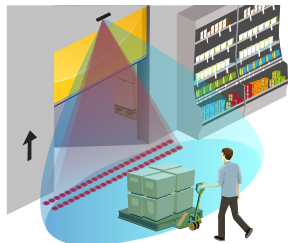
Ease of Setup

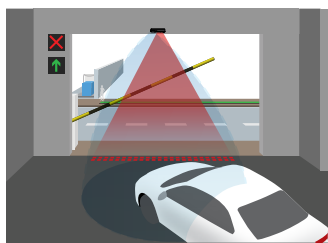Intelligent programming and troubleshooting via a menu-driven LCD

Standards Compliants

Fully monitored internally, capable of external monitoring

APPLICATIONS

Industrial Doors

Vehicle / Gate Detection

TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar	Active Infrared
Detection Mode	Motion	Presence
Transmitter Frequency	24.150 GHz	N/A
Transmitter Radiated Power	< 20 dBm EIRP	N/A
Transmitter Power Density	< 5 mW / cm²	N/A
Spot Size	N/A	2" × 2"
Max. Number of Spots	N/A	24 per curtain
Max. Number of Curtains	N/A	2
Output	Electro-mechanical-relay (potential and polarity free)	Solid-state-relay (potential and polarity free)
Max. Contact Voltage Max. Contact Current Hold Time	30 VDC 1 A 0.5 – 9 s (user adjustable)	42 VAC / VDC 400 mA 0.3 – 1 s
Test Input Sensitivity	Low: < 1 V; High: > 10 V (max. 30 V) Response time on test request: typical: < 5 ms	
Supply Voltage	12 – 24 VAC ±10%; 12 – 30 VDC ±10% (to be operated from SELV compatible power supplies only)	
Power Consumption	< 2.5 W	
Mounting Height	6 ½ – 11 ½'	
Temperature Range*	-13 – 131 °F 0 – 95% relative humidity, non condensing	
Degree of Protection	IP54	
Applicable Directives	R&TTE 1999 / 5 / EC; LVD 2006 / 95 / EC; MD 2006 / 42 / EC; ROHS 2 2011 / 65 / EU	
Dimension	10 ⅗" (W) × 2 ¼" (H) × 2 ¼" (D)	
Cable Length	30'	
Norm Conformity	ISO 13849-1:2008 PL «c» CAT. 2 (under the condition that the door control system monitors the sensor at least once per door cycle) IEC 61496-1:2012 ESPE Type 2	

*LCD screen is operational from 14 – 131 °F. The sensor may still be programmed in colder temperatures, but with the remote control.

PRODUCT SERIES

10IXIODT1INDUS
Dual technology sensor

10IXIODT1V
Dual technology sensor with video

10IMB
Mounting bracket adapter

10IRA
Rain accessory

10ICA
Flush mount ceiling adapter

10IXIOSPACER
Spacer

35.1345
Black replacement cover

35.1303
Silver replacement cover

35.1302
White replacement cover

10MINIBRACKET
Short adjustable mounting bracket

10REMOTE
BEA universal remote control

WWW.BEASENSORS.COM

BEA AMERICAS / RIDC Park West / 100 Enterprise Drive / Pittsburgh, PA
T 1-800-523-2462 / **F** 1-888-523-2462 / **E** info-us@BEAsensors.com

A **Halma** company