



IXIO-DT1 INDUSTRIAL

MOTION AND PRESENCE SENSOR
FOR INTERIOR INDUSTRIAL DOORS



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TECHNOLOGY



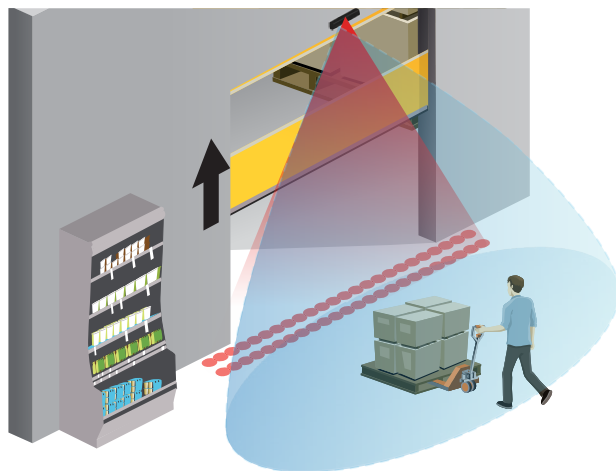
CERTIFICATIONS



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

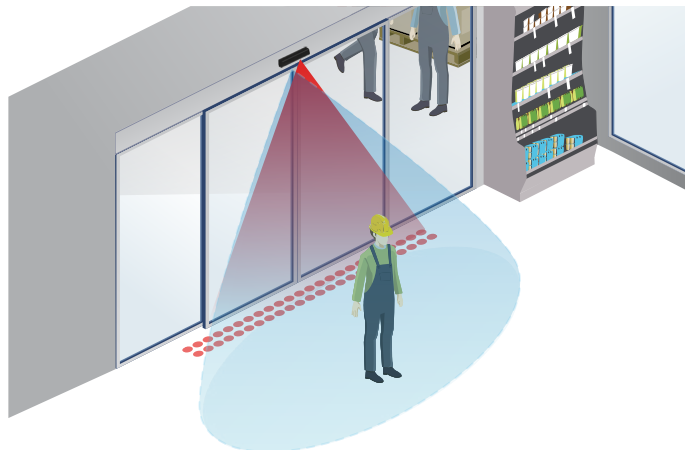
Ten microwave activation sensitivity settings and three infrared immunity settings

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 curtains providing precise presence detection



Easily Adjustable

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

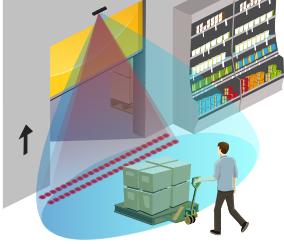
Ease of Setup

Intelligent programming and troubleshooting via a menu-driven LCD

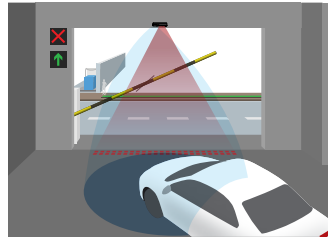
Standards Compliant

Fully monitored internally, capable of external monitoring

APPLICATIONS



Industrial Doors



Vehicle / Gate Detection

TECHNICAL SPECIFICATIONS

TECHNOLOGY / PERFORMANCE

Detection mode:	Motion minimum detection speed: 2 in/s	Presence typical response time: < 200 ms (max: 500 ms)
Technology:	Microwave doppler radar Transmitter frequency: 24.150 GHz Transmitter radiated power: < 20 dBm EIRP Transmitter power density: < 5 mW/cm ²	Active infrared with background analysis Spot: 2" x 2" (typ) Number of spots: max. 24 per curtain Number of curtains: 2
Mounting height:	6'6" – 11'6" local regulations may impact acceptable mounting height (pedestrian applications only)	
Sensor temperature range:	-13 – 131 °F * 0 – 95% relative humidity, non-condensing LCD screen is operational from 14 – 131 °F. The sensor may still be programmed in colder temperatures, but with the remote control.	

ELECTRICAL

Output	
Relay 1	Electromechanical relay (potential and polarity free) Max. contact current: 1 A Max. contact voltage: 30 VAC Adjustable hold time: 0.5 – 9 s
Relay 2	Solid-state relay (potential and polarity free) Max. contact current: 100 mA Max. contact voltage: 42 VDC / 30 VAC
Test/Monitoring 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
Noise:	< 70 dB

PHYSICAL

Degree of protection:	IP54
COMPLIANCE	
FCC certification:	FCC: G9B-100606 IC: 4680A-100606
Compliance:	ISO 13849 PL «c» CAT. 2 (under the condition that the door control system monitors the sensor at least once per door cycle)

PRODUCT SERIES

 <p>10IXIODT1INDUS Dual technology sensor</p>	 <p>10IMB Mounting bracket adapter</p>	 <p>10OURA Universal rain accessory</p>
 <p>10ICA Flush mount ceiling adapter</p>	 <p>10XIOSPACER Spacer</p>	 <p>10RETROFITSPACER Retrofit Spacer Kit - includes spacer, 2.5" harness, and 9" harness</p>
 <p>35.1609 Black replacement cover</p>	 <p>10MINIBRACKET Short adjustable mounting bracket</p>	 <p>10REMOTE BEA universal remote control</p>

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