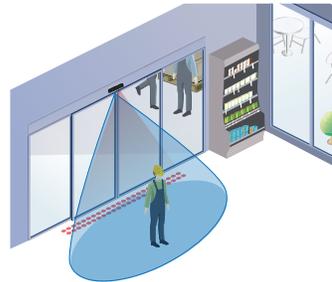
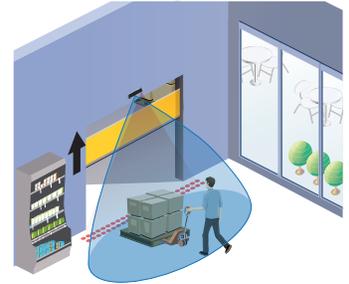
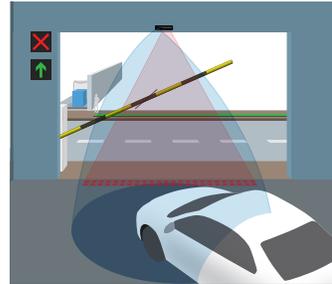


# IXIO-DT1 INDUSTRIAL

MOTION AND PRESENCE SENSOR FOR INTERIOR INDUSTRIAL DOORS



## PRIMARY APPLICATIONS



## DESCRIPTION

BEA's dual technology IXIO-DT1 Industrial is the premier motion and presence sensor on the market.

The IXIO-DT1 Industrial is a highly flexible and user-friendly solution 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.

## FEATURES & BENEFITS

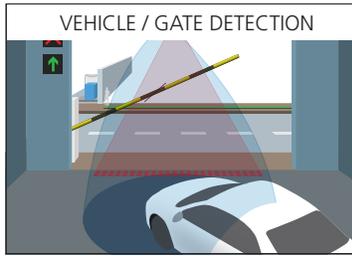
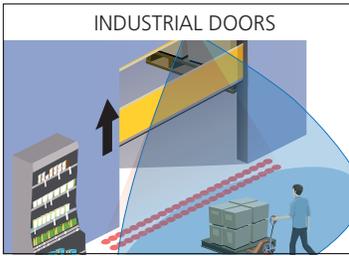
- Ten microwave activation sensitivity settings and three infrared safety immunity settings
- Ability to distinguish between approaching and departing traffic
- PRM mode for applications frequently used by persons with reduced mobility (i.e. wheelchair or elderly traffic)
- Two 24-spot, high-density, infrared safety curtains providing precise presence detection
- Four visible red alignment spots are projected on the ground to assist in precise IR curtain adjustment
- Intelligent programming and troubleshooting via a menu-driven LCD
- Fully monitored internally, capable of external monitoring
- 360 inch (30 ft) cable for larger / higher doors



BEA, Inc.  
RIDC Park West  
100 Enterprise Drive  
Pittsburgh, PA 15275-1213

Customer Service: 800.523.2462  
Technical Support: 800.407.4545  
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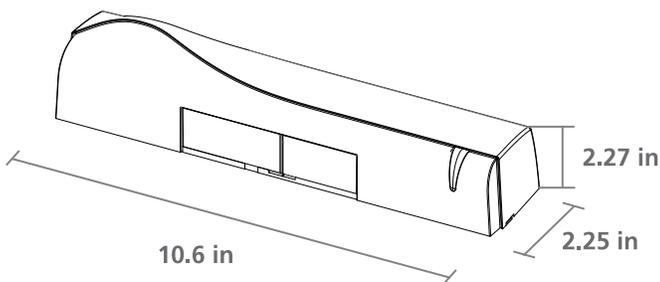
## APPLICATIONS



## TECHNICAL SPECIFICATIONS

|                                   |   |   |
|-----------------------------------|---|---|
| <b>Technology</b>                 | Microwave Doppler Radar   | Active Infrared   |
| <b>Detection Mode</b>             | Motion  | Presence  |
| <b>Transmitter Frequency</b>      | 24.150 GHz  | N/A   |
| <b>Transmitter Radiated Power</b> | < 20 dBm EIRP   | N/A   |
| <b>Transmitter Power Density</b>  | < 5 mW / cm <sup>2</sup>  | N/A   |
| <b>Spot Size</b>                  | N/A   | 2 in x 2 in   |
| <b>Max. Number of Spots</b>       | N/A   | 24 per curtain  |
| <b>Max. Number of Curtains</b>    | N/A   | 2   |
| <b>Output</b>                     | Electro-mechanical-relay<br>(potential and polarity free)                                       | Solid-state-relay<br>(potential and polarity free)  |
| Max. Contact Voltage              | 30 VDC  | 42 VDC  |
| Max. Contact Current              | 1 A   | 400 mA  |
| Hold Time                         | Microwave: 0.5 – 9 s<br>(user adjustable)   | Infrared: 0.3 – 1 s   |
| <b>Test Input</b>                 | N/A   | Sensitivity: Low:< 1 V;<br>High: > 10 V (max.30 V)<br>Response time on test<br>request: typical: < 5 ms |
| <b>Supply Voltage</b>             | 12 – 24 VAC ±10%; 12 – 30 VDC ±10%<br>(to be operated from SELV compatible power supplies only) |   |
| <b>Power Consumption</b>          | < 2.5 W   |   |
| <b>Mounting Height</b>            | 78 in – 138 in (6.5 ft – 11.5 ft)   |   |
| <b>Temperature Range</b>          | –13 °F – 131 °F<br>0 – 95% relative humidity, non condensing                                    |   |
| <b>Degree of Protection</b>       | IP54  |   |
| <b>Norm Conformance</b>           | R&TTE 1999 / 5 / EC; EMC 2004 / 108 / EC;<br>MD 2006 / 42 / EC; RoHS 2002 / 95 / EC             |   |
| <b>Dimensions</b>                 | 10.6 in (W) x 2.27 in (H) x 2.25 in (D)   |   |
| <b>Cable Length</b>               | 360 in (30 ft)  |   |

## DIMENSIONAL DRAWINGS



## RELATED PRODUCTS



**10IXIODT1INDUS**  
DUAL TECHNOLOGY  
SENSOR



**10IXIODT1V**  
DUAL TECHNOLOGY  
SENSOR WITH VIDEO



**10IMB**  
MOUNTING BRACKET  
ADAPTER



**10IRA**  
RAIN  
ACCESSORY



**10ICA**  
FLUSH MOUNT  
CEILING ADAPTER



**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

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