**IXIO-DT1**

**MOTION AND PRESENCE SENSOR FOR AUTOMATIC SLIDING DOORS**

**VIDEO**

Watch the product video

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**DESCRIPTION**

BEA's IXIO-DT1 is a dual technology motion and presence sensor, combining microwave activation and infrared presence detection for the automatic sliding door industry.

This solution is highly flexible and user-friendly for sliding doors, industrial doors, vehicle gate detection and off-door automation.

The IXIO-DT1 can be adjusted into ANSI compliance and has earned a comprehensive list of credentials and certifications, including FCC and IP54.

The IXIO-DT1 ensures convenience, safety and energy efficiency for BEA customers and end users.

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**TECHNOLOGY**

**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 Compliant**
Fully monitored internally, capable of external monitoring

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**CERTIFICATIONS**

**FCC**
## APPLICATIONS

- Single Slide
- Dual Slide
- Dual Slide With Side Lite Protection

## TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>IXIO-DT1</th>
<th>IXIODT1V</th>
<th>10IMB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>Microwave Doppler Radar</td>
<td>Active Infrared</td>
<td></td>
</tr>
<tr>
<td>Detection Mode</td>
<td>Motion</td>
<td>Presence</td>
<td></td>
</tr>
<tr>
<td>Transmitter Frequency</td>
<td>24.150 GHz</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Transmitter Radiated Power</td>
<td>&lt; 20 dBm EIRP</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Transmitter Power Density</td>
<td>&lt; 5 mW / cm²</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Spot Size</td>
<td>N/A</td>
<td>2&quot; x 2&quot;</td>
<td></td>
</tr>
<tr>
<td>Max. Number of Spots</td>
<td>N/A</td>
<td>24 per curtain</td>
<td></td>
</tr>
<tr>
<td>Max. Number of Curtains</td>
<td>N/A</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

### Dual technology sensor
- Rain accessory
- Curved door accessory
- BEA universal remote control

### Flush mount ceiling adapter
- Black replacement cover

### Spacer
- Silver replacement cover

### Mounting bracket adapter
- Electro-mechanical-relay
- Solid-state-relay

### Solid-state-relay (potential and polarity free)
- 42 VAC / VDC
- 400 mA
- 0.3 – 1 s

### Electro-mechanical-relay
- 30 VDC
- 1 A
- 0.5 – 9 s
- (user adjustable)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td></td>
</tr>
<tr>
<td>Max. Contact Voltage</td>
<td>30 VDC</td>
</tr>
<tr>
<td>Max. Contact Current</td>
<td>1 A</td>
</tr>
</tbody>
</table>
| Hold Time                              | 0.5 – 9 s

### Test Input

- Low: < 1 V
- High: > 10 V (max. 30 V)

### 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 ⅜” (W) x 2 ⅜” (H) x 2 ¼” (D)

### Cable Length

- 10’

### Norm Conformity

- ISO 13849-1:2008 PL «cp» 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.

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