



IXIO-DT1

MOTION AND PRESENCE SENSOR
FOR AUTOMATIC SLIDING DOORS

DESCRIPTION

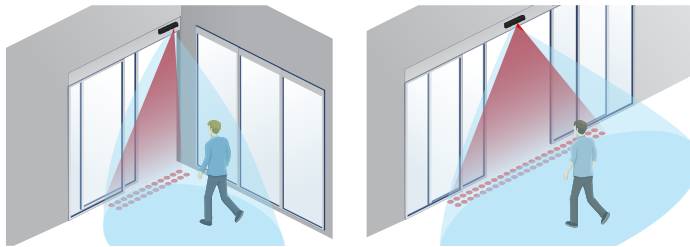
BEA's **IXIO-DT1** is a dual technology motion and presence sensor, combining microwave activation and infrared presence detection for the automatic sliding door industry.

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.

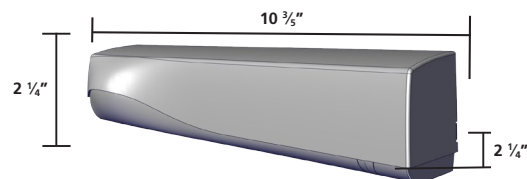
APPLICATIONS



Single Slide

Dual Slide

DIMENSIONS



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
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Supply voltage:	12 – 24 VAC ±10% 12 – 30 VDC ±10% to be operated from SELV-compatible power supplies only
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Power consumption:	< 2.5 W
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Noise:	< 70 dB
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PHYSICAL

Degree of protection:	IP54
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COMPLIANCE

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