BEA DT1 Motion And Presence Sensor For Automatic Sliding Doors User Guide

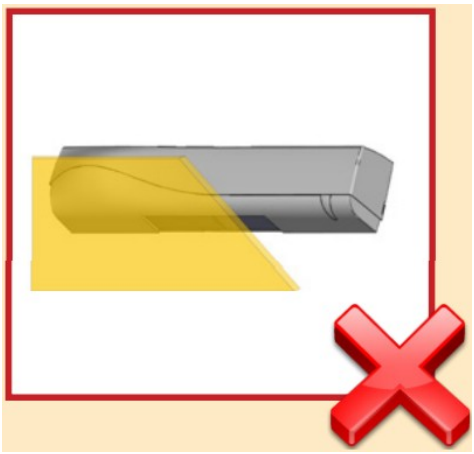
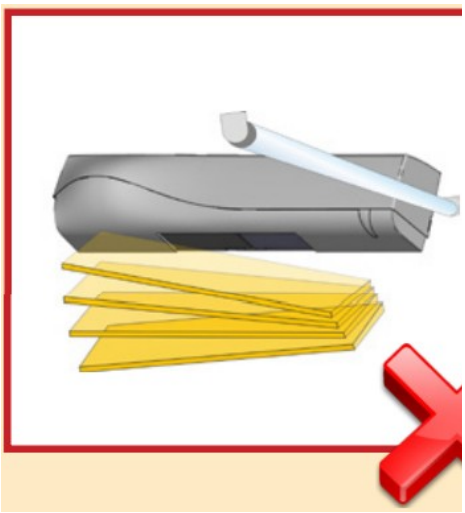
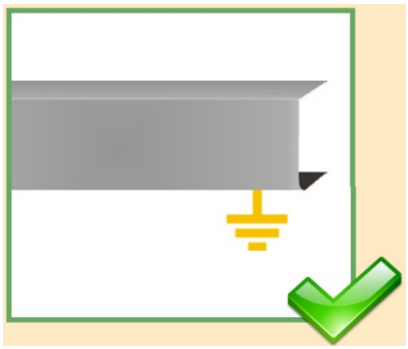
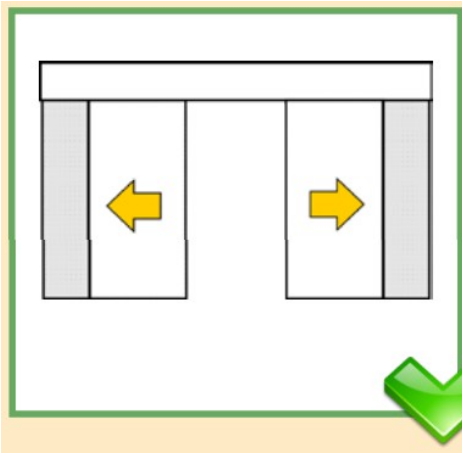
QUICK GUIDE
IXIO-DT1
MOTION AND PRESENCE SENSOR FOR AUTOMATIC SLIDING DOORS
Software version 6.3 / Configuration 42.4463.03
(refer to Admin menu for product software vesion)

Contents

DT1 Motion And Presence Sensor For Automatic Sliding Doors

https://www.qrfy.com/pxr1pxFaG0

READ BEFORE BEGINNING INSTALLATION & SETUP

		
The sensor should be mounted s ecurely to avoid extreme vibrations.	Do not cover the sensor.	Avoid moving objects and light source e detection field.
		
The door control unit and the hea der cover profile must be correctl y grounded.	Only trained and qualified personnel ar e recommended for installation and set up of the sensor.	Following installation, always test for p operation (according to ANSI 156.10) l leaving the premises.

This device can be expected to comply with Part 15 of the FCC Rules, provided it is assembled in exact accordance with the instructions provided with this kit. Operation is subject to the following conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

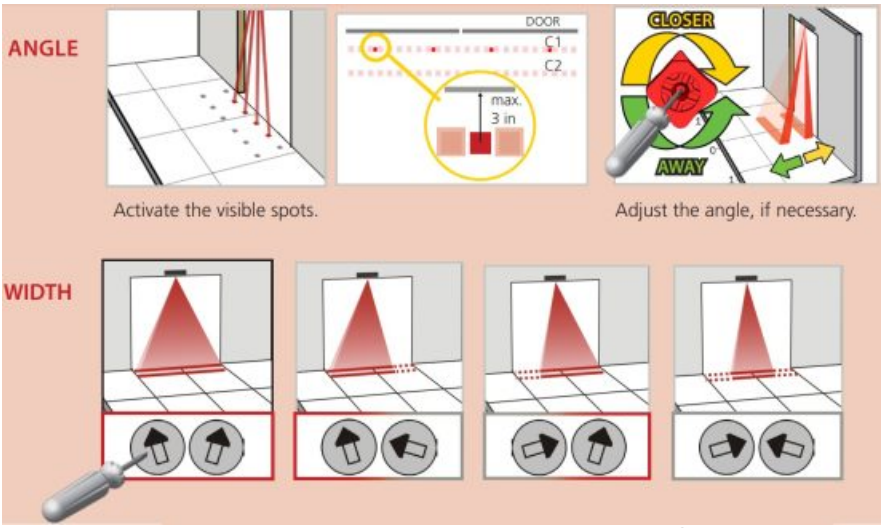
MOUNTING & WIRING

Refer to Application Note 76.0035 if an IXIO Spacer is required for the given application.

Sensor connectivity (power and relays) must utilize only the supplied harness.
Sensor power must be supplied from a Class 2 supply source limited to 15 W.
Sensor is intended to be monitored for proper operation by the door operator or system.
Harness shall be routed separated from any Mains or non-Class 2 voltage cable for correct operation or shall be rated for the
Mains voltage, and suitable protection and routing means shall be used according to National and Local Codes to prevent damage to the harness and/or IXIO sensor.

RADAR OPENING IMPULSE FIELD

INFRARED SAFETY FIELD



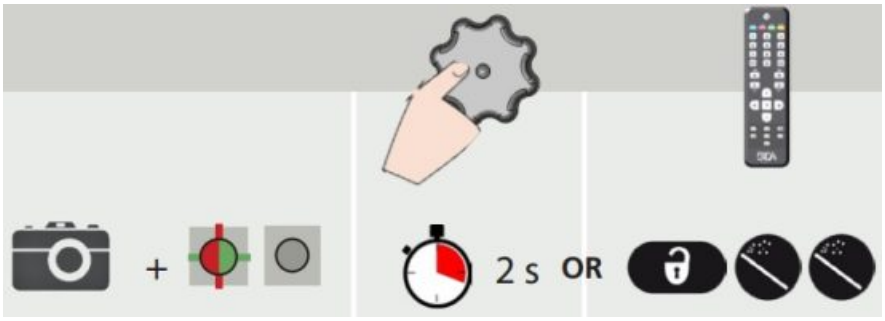
Always verify the actual detection field width by walk-testing according to ANSI 156.10.

SETUP

⚠ STEP OUT OF THE INFRARED FIELD!

SETUP 1 (QUICK)

reference picture either hold the knob for 2 seconds, or use the remote control buttons as specified



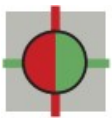
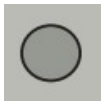
SETUP 2 (ASSISTED)
test of full door cycle + reference picture either hold the knob for 4 seconds, or use the remote control buttons as specified

⚠ TEST THE PROPER OPERATION OF THE INSTALLATION BEFORE LEAVING THE PREMISES!

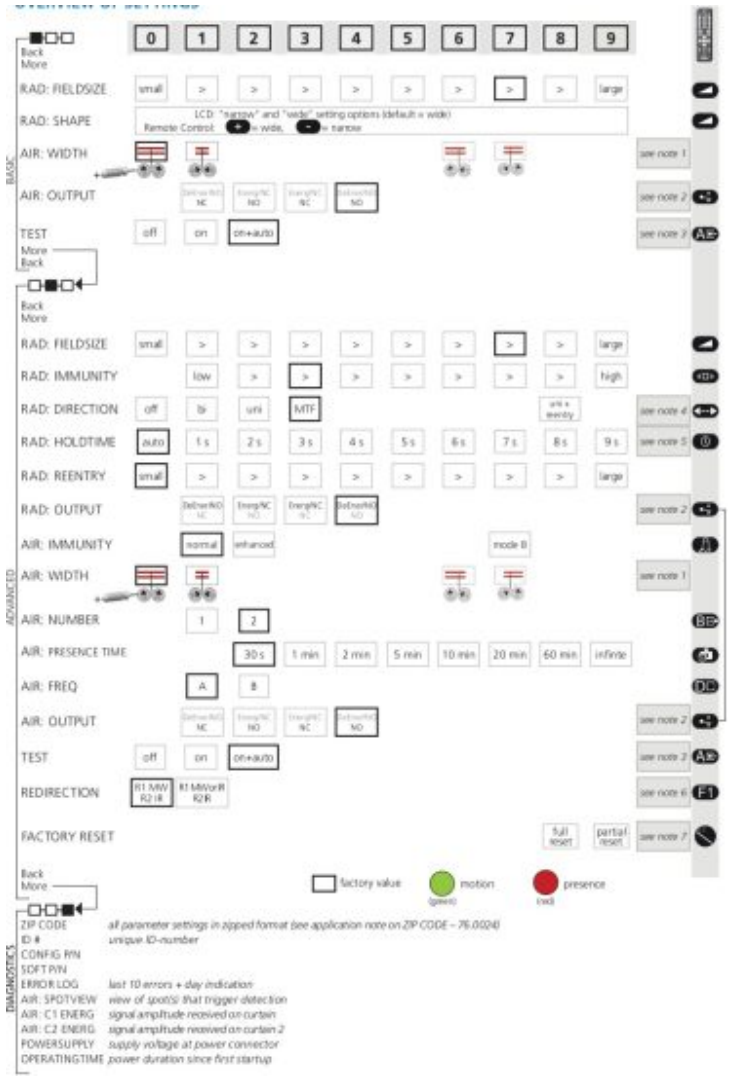
COLORS

	(green) Motion detection
	(red) Presence detection

LED SIGNALS
BEHAVIORS

	LED flashes		LED flashes red-green
	LED flashes quickly		LED is off
	LED flashes x times		

OVERVIEW OF SETTINGS



Download the BEA DECODER app for a quick overview of settings

http://is.gd/WjkMxl

RESET LOG PASSWORD ADMIN
delete all saved errors LCD and remote control password (0000= no password) enter code to access admin mode

Note 1	Always use a screwdriver when making further AIR adjustments to the arrow position on the sensor.	
Note 2	RADAR	AIR
	NO = normally open NC = normally closed DeEner = de-energized relay (active) Energ = en ergized relay (passive)	NO = normally open NC = normally closed
Note 3	The sensor LED will briefly flash RED during monitoring communication with door control. This indic ates that external monitoring is functional. Monitoring functionality must be active on the sensor and door control, and monitoring wires must be properly connected to the door control.	
Note 4	MTF = uni-directional with motion-tracking feature uni + reentry: BEA recommends only adjusting using the LCD	
Note 5	Auto mode evaluates traffic rate and adjusts hold time from 0.5 to 3 seconds	
Note 6	REDIRECTION setting (F1 on remote control):	
	R1-MW, R2-IR (f1=0): R1 = MW (i.e. motion detection) R2 = IR (i.e. presence detection)	R1-MW or IR, R2-IR (F1=1): R1 = MW or IR (i.e. motion or presence detection) R2 = IR (i.e. presence detection)
Note 7	partial: outputs are not reset	

TECHNICAL SPECIFICATIONS

	Relay 1	**Relay 2**
Output	Electromechanical relay (potential and p olarity free) Max. contact current: 1 A Max. contact voltage: 30 VAC Adjustable hold time: 0.5 – 9 s	Solid-state relay (potential and polarity fre e) Max. contact current: 100 mA Max. contact voltage: 42 VDC / 30 VAC
Test/Monitoringinput:	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	
Mounting height:	6’6” – 11’6” local regulations may impact acceptable mounting height (pedestrian applications onl y)	

Specifications are subject to change without prior notice.
All values measured in specific conditions.

BEA, INC. INSTALLATION/SERVICE COMPLIANCE EXPECTATIONS

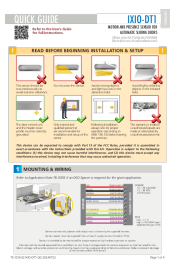
BEA, Inc., the sensor manufacturer, cannot be held responsible for incorrect installations or incorrect adjustments of the sensor/device; therefore, BEA, Inc. does not guarantee any use of the sensor/device outside of its intended purpose.

BEA, Inc. strongly recommends that installation and service technicians be AAADM-certified for pedestrian doors,

IDA-certified for doors/ gates, and factory-trained for the type of door/gate system.
Installers and service personnel are responsible for executing a risk assessment following each installation/service performed, ensuring that the sensor/device system performance is compliant with local, national, and international regulations, codes, and standards.
Once installation or service work is complete, a safety inspection of the door/gate shall be performed per the door/gate manufacturer's recommendations and/or per AAADM/ANSI/DASMA guidelines (where applicable) for best industry practices. Safety inspections must be performed during each service call – examples of these safety inspections can be found on an AAADM safety information label (e.g.
ANSI/DASMA 102, ANSI/DASMA 107, UL294, UL325, and International Building Code).
Verify that all appropriate industry signage, warning labels, and placards are in place.

A Halima Company
Tech Support: 1-800-407-4545
Customer Service: 1-800-523-2462
General Tech Questions: techservices-us@BEAsensors.com
www.BEAsensors.com
75.1219.02 IXIO-DT1 QG 20240722

Documents / Resources

	BEA DT1 Motion And Presence Sensor For Automatic Sliding Doors [pdf] User Guide DT1 Motion And Presence Sensor For Automatic Sliding Doors, DT1, Motion And Presence Sensor For Automatic Sliding Doors, Presence Sensor For Automatic Sliding Doors, For Automatic Sliding Doors, Automatic Sliding Doors, Sliding Doors, Doors

References

- User Manual