



IXIO-DT1 Motion and Presence Sensor for Automatic Sliding Doors User Guide

[Home](#) » [IXIO](#) » IXIO-DT1 Motion and Presence Sensor for Automatic Sliding Doors User Guide 



IXIO-DT1
MOTION AND PRESENCE SENSOR FOR
AUTOMATIC SLIDING DOORS

QUICK GUIDE



<https://www.qrfy.com/pxr1pxFaG0>

Contents

- [1 DT1 Motion and Presence Sensor for Automatic Sliding Doors](#)
- [2 MOUNTING & WIRING](#)
- [3 RADAR OPENING IMPULSE FIELD](#)
- [4 INFRARED SAFETY FIELD](#)
- [5 SETUP](#)
- [6 OVERVIEW OF SETTINGS](#)
- [7 TECHNICAL SPECIFICATIONS](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)
- [9 Related Posts](#)

DT1 Motion and Presence Sensor for Automatic Sliding Doors



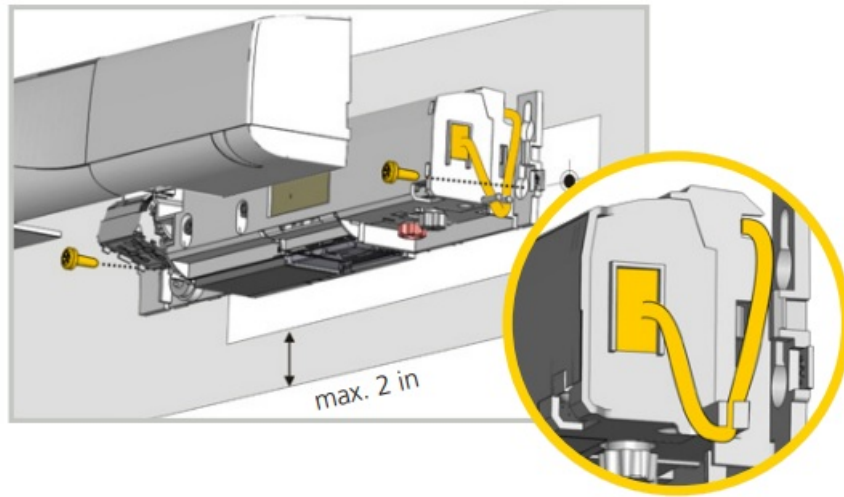
READ BEFORE BEGINNING INSTALLATION & SETUP

The sensor should be mounted securely to avoid extreme vibrations.	Do not cover the sensor.	Avoid moving objects and light field.
The door control unit and the header cover profile must be correctly grounded.	Only trained and qualified personnel are recommended for installation and setup of the sensor.	Following installation, always test (according to ANSI 156.1) 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.



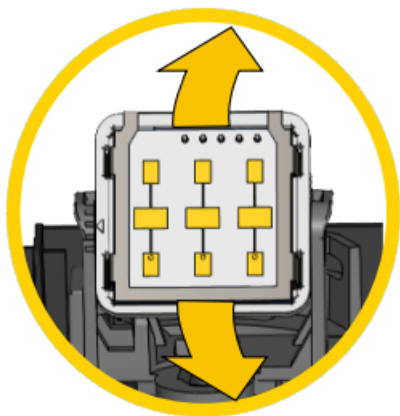
SENSOR	RED	POWER SUPPLY	DOOR CONTROL	POWER 12 – 24 VAC/VDC 12 – 30 VDC 2.5 W (max)
	BLACK	POWER SUPPLY		
	BROWN	SAFETY INPUT		
	BLUE	SAFETY INPUT		
	WHITE (COM)	OPENING INPUT		
	YELLOW (N.C)	OPENING INPUT		TEST low: < 1 V high: > 10 V (30 V max.) response time: typ. < 5 ms
	GREEN (N.O.)	OPENING INPUT		
	PURPLE	TEST OUTPUT*		
	PURPLE	TEST OUTPUT*		

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.

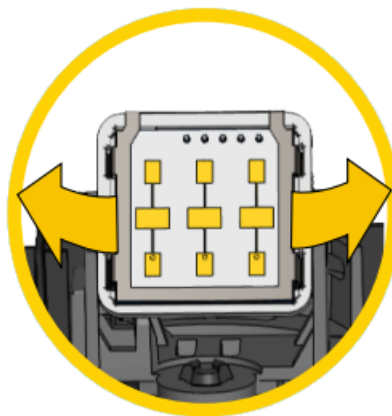
Harness shall be routed separated from any Mains or non-Class 2 voltage cable for correct operation or shall be rated for the Mains voltage, and suitable protection and routing means shall be used according to National and Local Codes to prevent damage to the harness and/or IXIO sensor.

RADAR OPENING IMPULSE FIELD

ANGLE

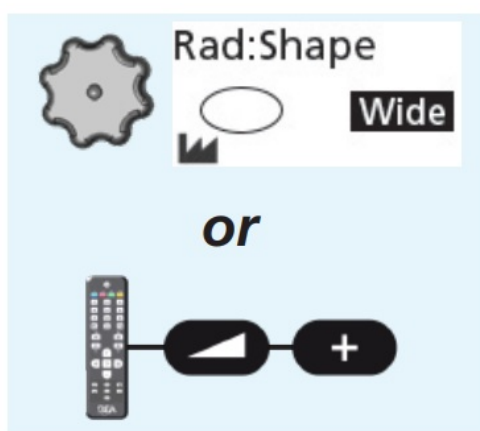


TILT

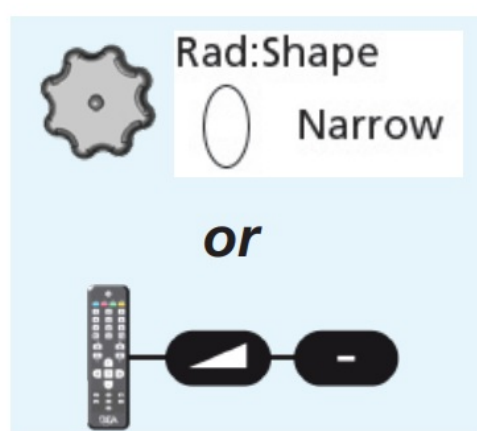


ROTATE

WIDTH



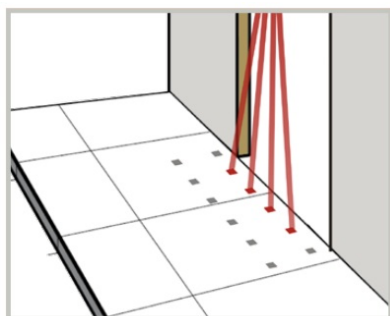
WIDE



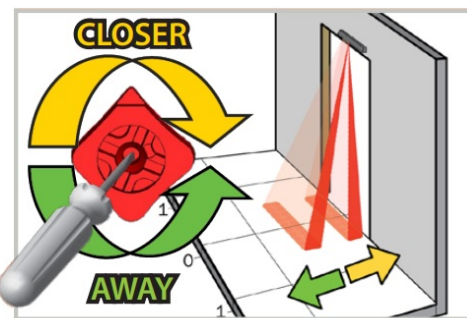
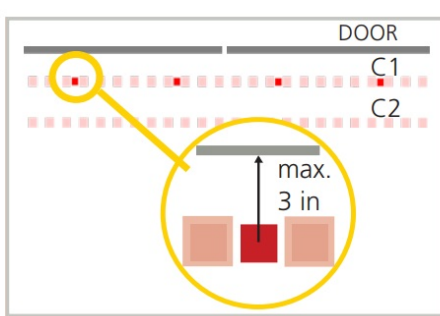
NARROW

INFRARED SAFETY FIELD

ANGLE

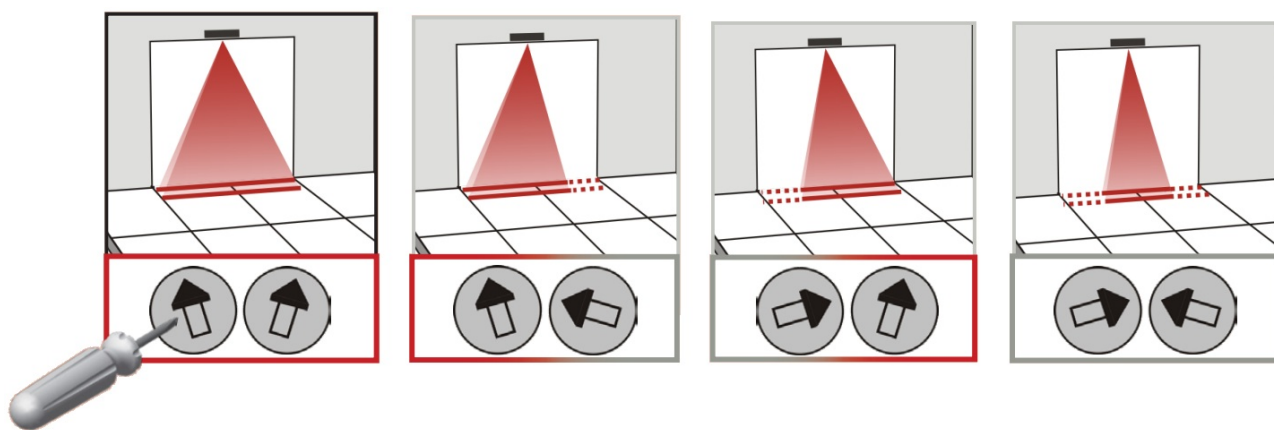


Activate the visible spots.



Adjust the angle, if necessary.

WIDTH



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



+



2 s OR



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!

LED SIGNALS

COLORS

	(green) Motion detection
	(red) Presence detection

BEHAVIORS

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

OVERVIEW OF SETTINGS

Back
More

0123456789

RAD: FIELD SIZE

small > > > > > > > > large

RAD: SHAPE

LCD: "narrow" and "wide" setting options (default = wide)
Remote Control: + = wide, - = narrow

AIR: WIDTH

+

AIR: OUTPUT

DeEner/NO NC Energ/NC NO Energ/NC NC DeEner/NO NO

TEST

off on

More
Back

see note 1

see note 2

see note 3

A

Back
More

RAD: FIELD SIZE

small > > > > > > > > large

RAD: IMMUNITY

low > > > > > > > high

RAD: DIRECTION

off bi uni MTF uni + reentry

RAD: HOLD TIME

0.5 s 1 s 2 s 3 s 4 s 5 s 6 s 7 s 8 s 9 s

RAD: REENTRY

small > > > > > > > > large

RAD: OUTPUT

DeEner/NO NC Energ/NC NO Energ/NC NC DeEner/NO NO

AIR: IMMUNITY

normal enhanced mode B

AIR: WIDTH

+

AIR: NUMBER

1 2

AIR: PRESENCE TIME

30 s 1 min 2 min 5 min 10 min 20 min 60 min infinte

AIR: FREQ

A B

AIR: OUTPUT

DeEner/NO NC Energ/NC NO Energ/NC NC DeEner/NO NO

TEST

off on

REDIRECTION

R1 MW R2 IR R1 MW or R2 IR

FACTORY RESET

full reset partial reset

More
Back

see note 4

see note 2

see note 1

B

see note 2

see note 3

see note 5

see note 6

F1

Back
More

ZIP CODE

ID #

CONFIG P/N

SOFT P/N

ERROR LOG

AIR: SPOTVIEW

AIR: C1 ENERG

AIR: C2 ENERG

POWERSUPPLY

OPERATINGTIME

all parameter settings in zipped format (see application note on ZIP CODE – 76.0024)

unique ID-number

last 10 errors + day indication

view of spot(s) that trigger detection

signal amplitude received on curtain

signal amplitude received on curtain 2

supply voltage at power connector

power duration since first startup

RESET LOG

PASSWORD

ADMIN

delete all saved errors

LCD and remote control password (0000= no password)

enter code to access admin mode

factory value

motion (green)

presence (red)

Download the BEA DECODER app for a quick overview of settings



<http://is.gd/WjkMxl>

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 = energized relay (passive)	NO = normally open NC = normally closed
Note 3	The sensor LED will briefly flash RED during monitoring communication with door control. This indicates 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	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 6	partial: outputs are not reset	

TECHNICAL SPECIFICATIONS

Output	Relay 1	Relay 2
	Electromechanical relay (potential and polarity free) Max. contact current: 1 A Max. contact voltage: 30 VAC Adjustable hold time: 0.5 – 9 s	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 $\pm 10\%$ 12 – 30 VDC $\pm 10\%$ to be operated from SELV-compatible power supplies only	
Mounting height:	6'6" – 11'6" local regulations may impact acceptable mounting height (pedestrian applications only)	

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.



Tech Support & Customer Service: 1-800-523-2462

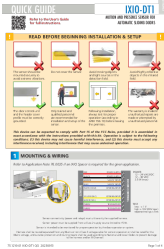
General Tech Questions: techservices-us@BEAsensors.com | Tech Docs: www.BEAsensors.com



A Halma company

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Documents / Resources

	<p>IXIO IXIO-DT1 Motion and Presence Sensor for Automatic Sliding Doors [pdf] User Guide IXIO-DT1 Motion and Presence Sensor for Automatic Sliding Doors, IXIO-DT1, Motion and Presence Sensor for Automatic Sliding Doors, Automatic Sliding Doors, Sliding Doors</p>
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References

-  [Homepage](#) | [BEA Sensors](#)

[Manuals+](#).