



# BEA IXIO-ST Infrared Presence Detection Sensor User Guide

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A **Halma** company

IXIO-ST

PRESENCE SENSOR FOR AUTOMATIC SLIDING DOORS

Refer to the User's Guide for full instructions.





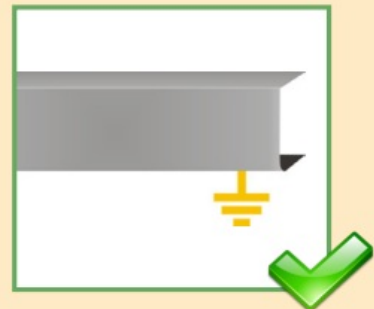

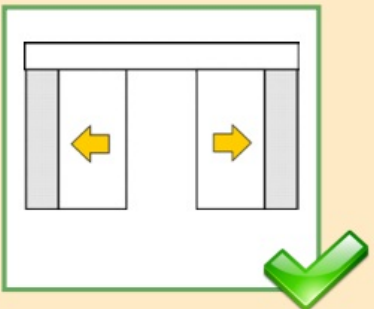



<http://webshop.domo-elektro.be>

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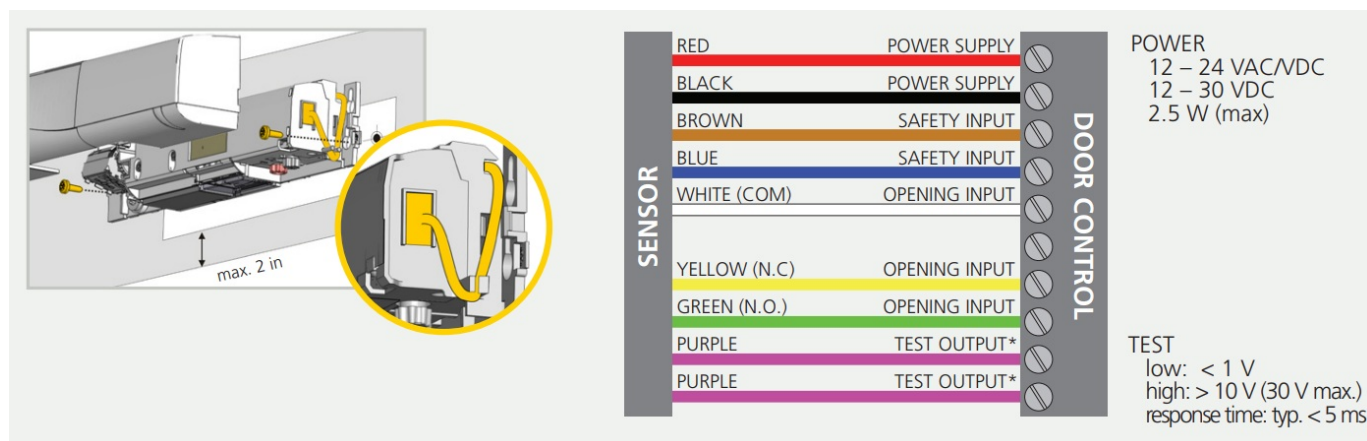
**READ BEFORE BEGINNING INSTALLATION & SETUP**

			
The sensor should be mounted securely to avoid extreme vibrations.	Do not cover the sensor.	Avoid moving objects and light sources in the detection field.	Avoid high objects in the 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 for proper operation (according to ANSI 156.10) before leaving the premises.	The warning is unauthorized use or unauthorized modification.

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.



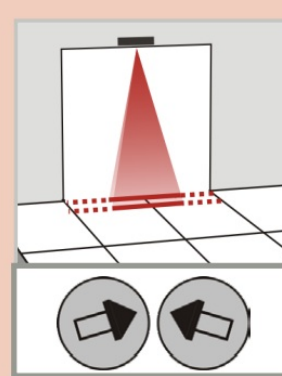
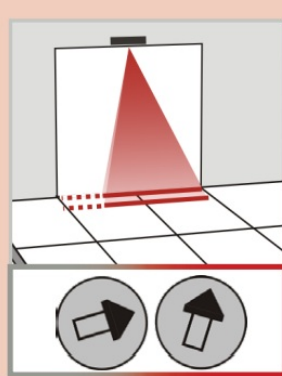
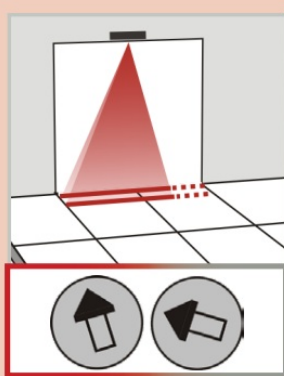
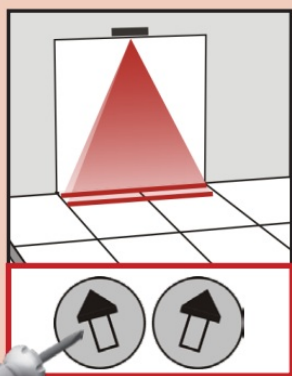
Sensor connectivity (power and relays) must utilize only the supplied harness.  
Sensor power must be supplied from a Class 2 supply source limited to 15 W.  
Sensor is intended to be monitored for proper operation by the door operator or system.

## INFRARED SAFETY FIELD

A diagram of a room with a grid floor. A vertical beam of light, represented by a yellow cylinder, is shown entering the room from the top. The beam is composed of several parallel yellow lines. The floor is a white grid with black lines. The walls are gray. The beam is positioned near the center of the room, and its base is on the floor.

Diagram illustrating a sensor system for a door. A yellow circle highlights a red square sensor on a wall. A yellow line connects it to a magnified view of the sensor, which is a red square between two light brown squares. An arrow points from the red square to the text "max. 3 in."

**WIDTH**



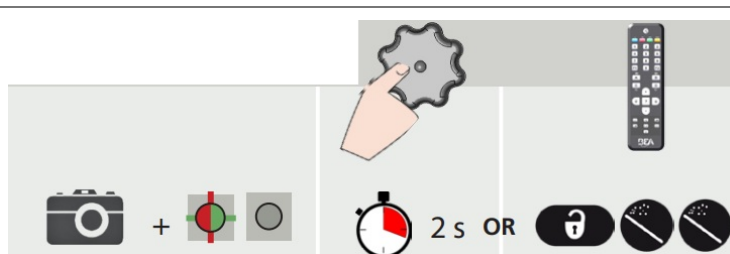
Always verify the actual detection field width by walk-testing according to ANSI 156.10.

## SETUP



## STEP OUT OF THE INFRARED FIELD!

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



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) AUX
	(red) Presence detection

### BEHAVIORS

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

## OVERVIEW OF SETTINGS

# RC BUTTONS

Back

More

0

1

2

3

4

5

6

7

8

9

AIR: WIDTH

+

AIR: OUTPUT

DeEner/NO

NC

Energ/NC

NO

Energ/NC

NC

DeEner/NO

NO

TEST

off

on

More

Back

Back

More

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

FACTORY RESET

full reset

partial reset

Back

More

factory value

see note 1

see note 2

see note 3

see note 1

see note 2

see note 3

see note 5

ZIP CODE

ID #

CONFIG P/N

SOFT P/N

ERROR LOG

AIR: SPOTVIEW

AIR: C1 ENERG

AIR: C2 ENERG

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

POWERSUPPLY

OPERATINGTIME

RESET LOG

PASSWORD

ADMIN

supply voltage at power connector

power duration since first startup

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	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 5	partial: outputs are not reset

## TECHNICAL SPECIFICATIONS

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
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).

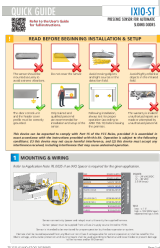

Verify that all appropriate industry signage, warning labels, and placards are in place.

Tech Support & Customer Service: 1-800-523-2462  
 General Tech Questions: [techservices-us@BEAsensors.com](mailto:techservices-us@BEAsensors.com) | Tech Docs: [www.BEAsensors.com](http://www.BEAsensors.com)



<http://is.gd/WjkMxl>

## Documents / Resources

	<p><a href="#">BEA IXIO-ST Infrared Presence Detection Sensor</a> [pdf] User Guide          IXIO-ST, IXIO-ST Infrared Presence Detection Sensor, Infrared Presence Detection Sensor, Presence Detection Sensor, Detection Sensor, Sensor</p>
	<p><a href="#">BEA IXIO-ST Infrared Presence Detection Sensor</a> [pdf] Instruction Manual          20.5349, 35.1609, 35.1302, 35.1303, 10IMB, 10ICA, 10URA, 10CDA, 10IXIOSPACER, IXIO-ST, IXIO-ST Infrared Presence Detection Sensor, Infrared Presence Detection Sensor, Presence Detection Sensor, Detection Sensor, Sensor</p>