

EAGLE ARTEK

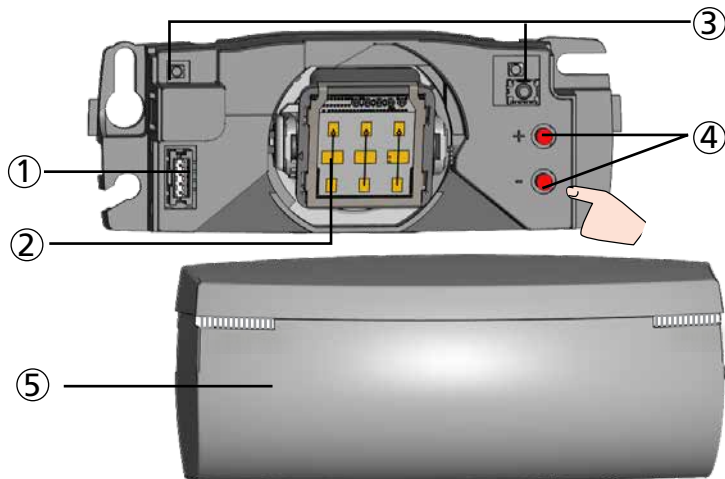
JOIN OUR
COMMUNITY!



UNIDIRECTIONAL OPENING SENSOR FOR AUTOMATIC DOORS*

User's Guide for software version SW 0100 and higher.
(refer to tracking label on product).

DESCRIPTION



1. main connector
2. antenna
3. LEDs
4. push buttons
5. cover

TECHNICAL SPECIFICATIONS

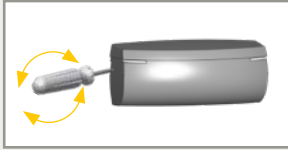
Technology:	Microwave
Transmitter frequency:	24.15 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm ²
Detection mode:	Motion
Max. detection range:	Wide : 4 m × 2m Narrow : 2 m × 2.2 m @2.2 m high
Min. detection speed:	5 cm/s
Supply voltage**:	12V to 24V AC +/- 10% (50 - 60 Hz) ; 12V to 24V DC +30% / -10%
Max power consumption:	< 1 W
Output**:	Solid-state relay (free of polarity)
Max. switching voltage:	30V AC / 42V DC
Max. switching current:	100mA (resistive)
Mounting height:	From 1.8 m to 4 m
Degree of protection:	IP54 (IEC/EN 60529)
Temperature range:	From -20 °C to + 55 °C
Dimensions:	120 mm (L) × 50 mm (H) × 50 mm (W)
Tilt angles:	0° to 90° vertical; -30° to +30° lateral
Material:	ABS
Weight:	120 g
Cable length:	2.5 m

Specifications are subject to changes without prior notice.
Measured in specific conditions.

* Other use of the device outside of the permitted purpose can not be guaranteed by the manufacturer.

** External electrical sources must be within specified voltages, max 15W and ensure double insulation from primary voltages.

1 OPENING THE SENSOR



Insert the screwdriver on the left or the right notch of the sensor and twist it to remove the cover.

2 MOUNTING & WIRING

TIPS



Avoid vibrations.

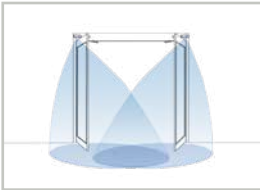


Do not cover the sensor.

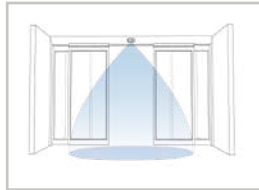


Avoid proximity to neon lamps or moving objects.

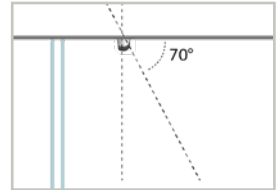
APPLICATIONS



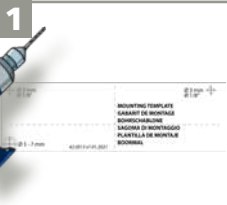
Mounting on door axis (swing doors).



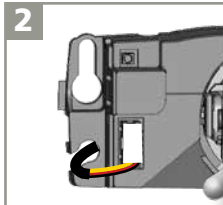
Wall mounting above sliding or revolving door.



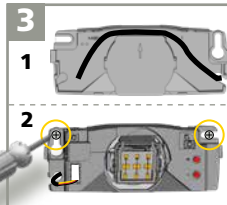
Ceiling mounting in front of door (sliding, revolving or swing doors).



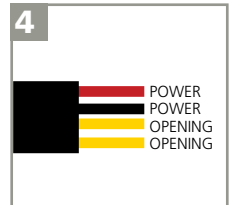
Apply the mounting template. Drill 1 hole (\varnothing 5 - 7 mm \varnothing 1/4") for the cable and pull it through. Drill 2 holes (\varnothing 3 mm \varnothing 1/8") for the screws.



Plug the connector accordingly.



First, position the cable according to the hole in the wall. To avoid crushing it, you can use the dedicated cable path. Next, fix the sensor firmly.

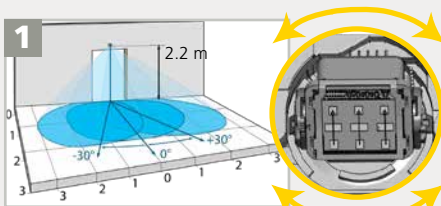


Connect to the door controller:

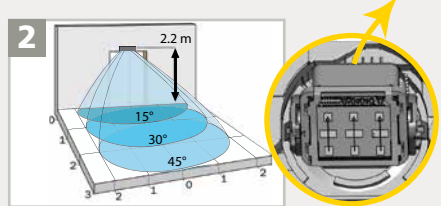
- 1 - RED - POWER SUPPLY
- 2 - BLACK - POWER SUPPLY
- 3 - YELLOW - OPENING
- 4 - YELLOW - OPENING.

Mount the sensor securely.

3 FIELD ANGLE ADJUSTMENTS



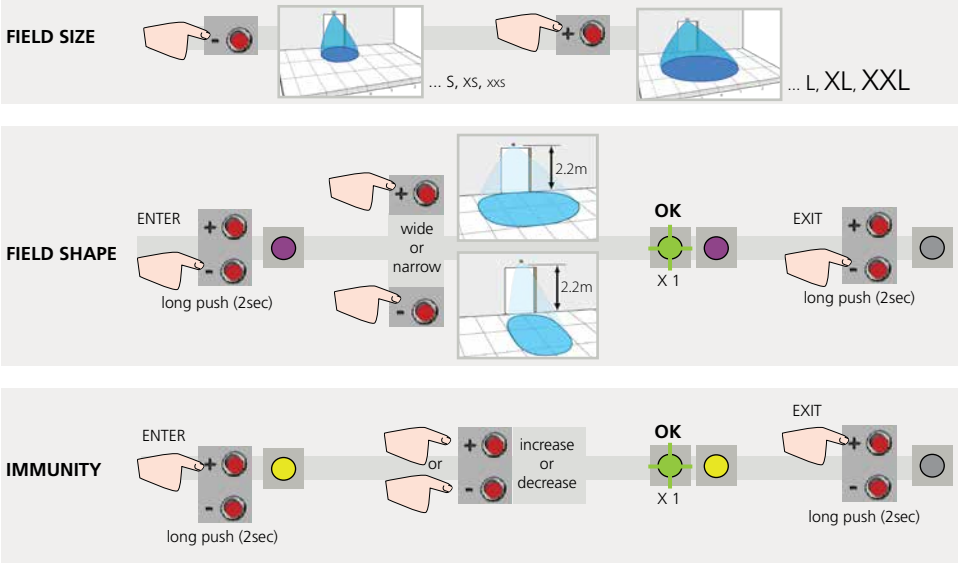
Adjust the lateral antenna angle.



Adjust the vertical antenna angle.

4 SETTINGS

PUSH BUTTONS



REMOTE CONTROL

FIELD SIZE		XXS	XS	S	>	>	>	>	L	XL	XXL			
FIELD SHAPE											narrow	wide		
MOUNTING HEIGHT			< 3 m	> 3 m										
IMMUNITY FILTER			low	normal	high	>	>	>	>	>	highest			
DETECTION MODE			bi	uni	uni PRM	uni AWAY	PRM & AWAY	bi = two-way detection; uni = one-way detection towards sensor; uni PRM = one-way detection also of people with reduced mobility; uni AWAY = one-way detection away from sensor.						
OUTPUT CONFIG.			NO	NC										
HOLD-OPEN TIME			0.5 s	1 s	2 s	3 s	4 s	5 s	6 s	7 s	8 s	9 s		
DOOR CONTROL	F2		auto	open	closed	open = the sensor detects constantly. The LED is ON. closed = the sensor is in standby and does not detect. The LED is OFF.								
RESETTING TO FACTORY VALUES					8									FACTORY VALUES: <input type="text"/>

ACCESS CODE

The access code (1 to 4 digits) is recommended to set sensors installed close to each other.

SAVING AN ACCESS CODE:




DELETING AN ACCESS CODE:



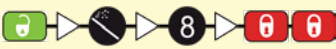


Once you have saved an access code, you always need to enter this code to unlock the sensor. If you forget the access code, **cut and restore the power supply**. During 1 minute, you can access the sensor without introducing any access code.












SERVICE MODE

The service mode deactivates the detection during 15 minutes and can be useful during an installation, a mechanical teach-in of the door or maintenance work.
 To enter the service mode, push on the button for at least **4 seconds**. When the sensor is in service mode, the LEDs are off.
 To exit the service mode, push any button.





RESETTING TO FACTORY VALUES:  > 4 seconds +  **OR** 

TROUBLESHOOTING

	The door remains closed. The LED is OFF.	The sensor power is off.	1 Check the wiring and the power supply.
	The door does not react as expected.	The door control setting (F2) is set to value 3 (closed).	1 Change the door control setting (F2) to value 1 (automatic).
	The door does not react as expected.	Improper output configuration on the sensor.	1 Change the output configuration setting on each sensor connected to the door operator.
	The door does not react as expected.	The wire to the antenna is disconnected or damaged.	1 Check if the wire to the antenna is crushed or cut. 2 Replace sensor.
	The door opens and closes constantly.	The sensor is disturbed by the door motion or vibrations caused by the door motion.	1 Make sure the sensor is fixed properly. 2 Make sure the detection mode is unidirectional. 3 Increase the antenna angle. 4 Increase the immunity filter. 5 Reduce the field size.
	The door opens for no apparent reason.	It rains and the sensor detects the motion of the rain drops.	1 Make sure the detection mode is unidirectional. 2 Increase the immunity filter.
	The LED flashes quickly after unlocking.	In highly reflective environments, the sensor detects objects outside of its detection field.	1 Change the antenna angle. 2 Decrease the field size. 3 Increase the immunity filter.
	The LED flashes quickly after unlocking.	In airlock vestibules, the sensor detects the movement of the opposite door.	1 Change the antenna angle. 2 Adjust the field shape. 3 Increase the immunity filter.
	The LED flashes quickly after unlocking.	The sensor needs an access code to unlock.	1 Enter the right access code. 2 If you forgot the code, cut and restore the power supply to access the sensor without access code. Change or delete the access code.
	The sensor does not respond to the remote control.	Batteries in the remote control are weak or installed improperly.	1 Check and change the batteries if necessary.
	The sensor does not respond to the remote control.	Remote control badly pointed.	1 Point the remote control towards the sensor.

BEA SA | LIEGÉ Science Park | Allée des Noisetiers, 5 - 4031 ANGLEUR (BELGIUM) | T +32 4 361 65 65 | F +32 4 361 28 58 | info-eu@beasensors.com | www.beasensors.com

 BEA hereby declares that the Eagle Artek is in compliance with European Directives 2014/53/EU (RED) and 2011/65/EU (RoHS).

 The complete declaration of conformity is available on our website.

This product should be disposed of separately from unsorted municipal waste.

