

# EAGLE ARTEK

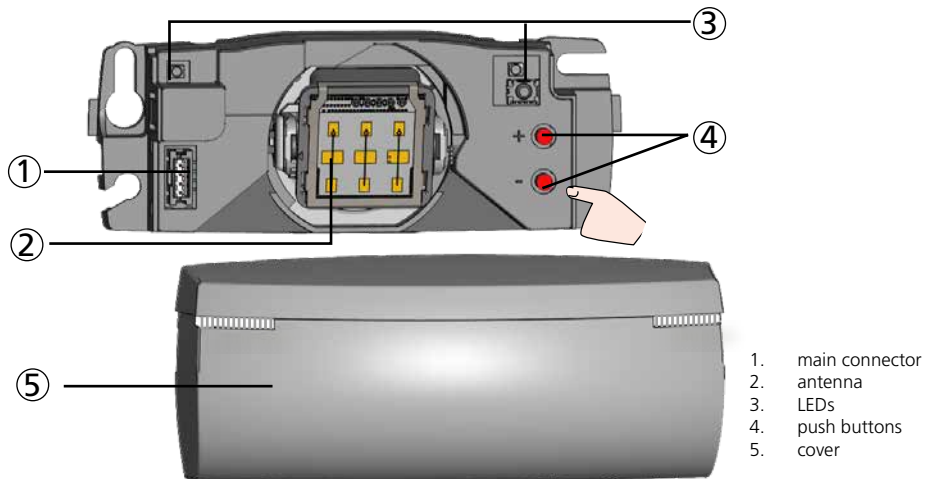
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## UNIDIRECTIONAL OPENING SENSOR FOR AUTOMATIC DOORS\*

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

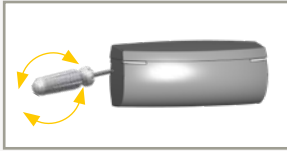
Technology:	Microwave
Transmitter frequency:	24.15 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm <sup>2</sup>
Detection mode:	Motion
Max. detection range:	Wide : 4 m × 2m   Narrow : 2 m × 2.2 m @2.2 m high
Min. detection speed:	5 cm/s
Supply voltage**:	12V to 24V 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.

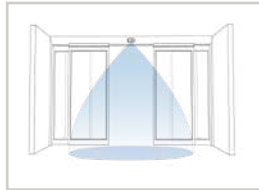


Avoid proximity to neon lamps or moving objects.

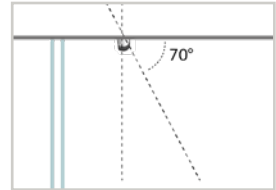
APPLICATIONS



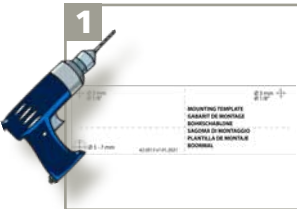
Mounting on door axis (swing doors).



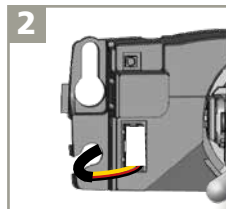
Wall mounting above sliding or revolving door.



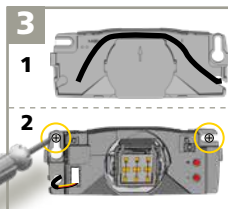
Ceiling mounting in front of door (sliding, revolving or swing doors).



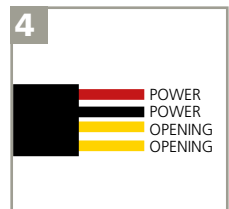
Apply the mounting template. Drill 1 hole ( $\varnothing$  5 - 7 mm  $\varnothing$  1/4") for the cable and pull it through. Drill 2 holes ( $\varnothing$  3 mm  $\varnothing$  1/8") for the screws.



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.



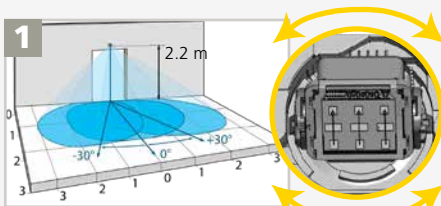
Connect to the door controller:

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

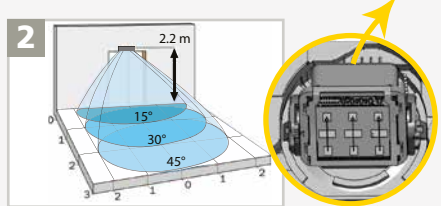


Mount the sensor securely.

# 3 FIELD ANGLE ADJUSTMENTS



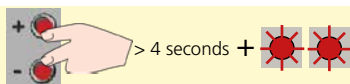
Adjust the lateral antenna angle.



Adjust the vertical antenna angle.



RESETTING TO **FACTORY VALUES:**



OR



## TROUBLESHOOTING

	The door remains closed. The LED is OFF.	The sensor power is off.	<b>1</b> 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).	<b>1</b> Change the door control setting (F2) to value 1 (automatic).
	The door does not react as expected.	Improper output configuration on the sensor.	<b>1</b> 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.	<b>1</b> Check if the wire to the antenna is crushed or cut. <b>2</b> Replace sensor.
	The door opens and closes constantly.	The sensor is disturbed by the door motion or vibrations caused by the door motion.	<b>1</b> Make sure the sensor is fixed properly. <b>2</b> Make sure the detection mode is unidirectional. <b>3</b> Increase the antenna angle. <b>4</b> Increase the immunity filter. <b>5</b> Reduce the field size.
	The door opens for no apparent reason.	It rains and the sensor detects the motion of the rain drops.	<b>1</b> Make sure the detection mode is unidirectional. <b>2</b> Increase the immunity filter.
		In highly reflective environments, the sensor detects objects outside of its detection field.	<b>1</b> Change the antenna angle. <b>2</b> Decrease the field size. <b>3</b> Increase the immunity filter.
		In airlock vestibules, the sensor detects the movement of the opposite door.	<b>1</b> Change the antenna angle. <b>2</b> Adjust the field shape. <b>3</b> Increase the immunity filter.
	The LED flashes quickly after unlocking.	The sensor needs an access code to unlock.	<b>1</b> Enter the right access code. <b>2</b> 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.	<b>1</b> Check and change the batteries if necessary.
		Remote control badly pointed.	<b>1</b> Point the remote control towards the sensor.

