

## 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.

## 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 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 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. <b>3</b> Install the ORA (rain accessory).
		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> Change the antenna. <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 improperly installed.	<b>1</b> Check and change the batteries if necessary.
		Remote control badly pointed.	<b>1</b> Point the remote control towards the sensor.

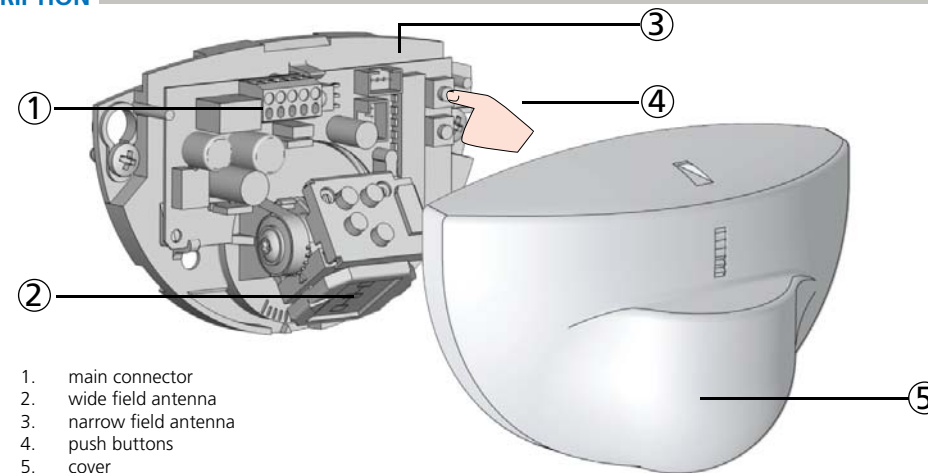
# EAGLE ONE & TWO

Opening sensor for automatic doors\*

EAGLE ONE: energy-saving unidirectional sensor  
EAGLE TWO: bidirectional sensor



## DESCRIPTION



## TECHNICAL SPECIFICATIONS

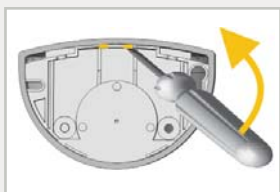
Technology:	microwave and microprocessor
Transmitter frequency:	24.150 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm <sup>2</sup>
Detection mode:	motion
Min. detection speed:	5 cm/s**
Supply voltage:	12V to 24V AC $\pm 10\%$ ; 12V to 24V DC +30% / -10%
Mains frequency:	50 to 60 Hz
Max power consumption:	< 2 W
Output:	relay (free of potential change-over contact)
Max. contact voltage:	42V AC/DC
Max. contact current:	1A (resistive)
Max. switching power:	30W (DC) / 60VA (AC)
Mounting height:	from 1.8 m to 4 m
Degree of protection:	IP54**
Temperature range:	from -20 °C to + 55 °C
Dimensions:	120 mm (L) x 80 mm (H) x 50 mm (W)
Tilt angles:	0° to 90° vertical; -30° to +30° lateral
Material:	ABS
Weight:	215 g
Cable length:	2.5 m
Norm conformity:	R&TTE 1999/5/EC; EMC 2004/108/EC

Specifications are subject to changes without prior notice.

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

\*\* Measured in optimal conditions

## 1 OPENING THE SENSOR



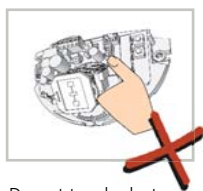
Before fixing



After fixing

## 2 MOUNTING & WIRING

### TIPS



Do not touch electrical parts.



Avoid vibrations.

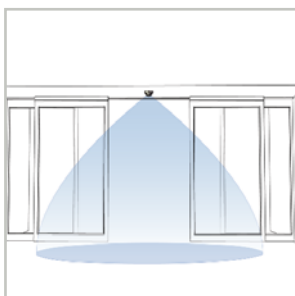


Do not cover the sensor.

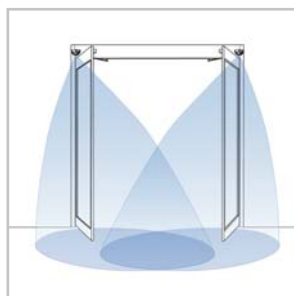


Avoid proximity to neon lamps or moving objects.

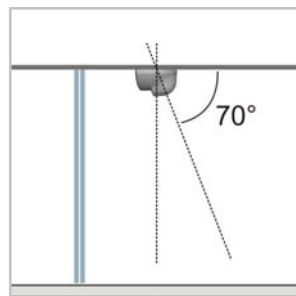
### APPLICATIONS



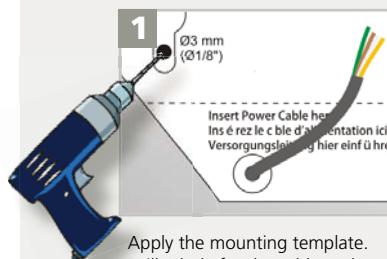
Wall mounting above sliding or revolving door



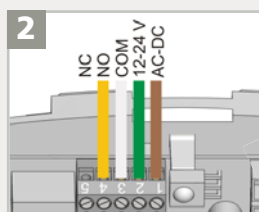
Mounting on door axis (swing doors)



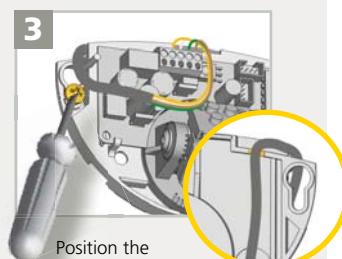
Ceiling mounting in front of door (sliding, revolving or swing doors)



Apply the mounting template. Drill 1 hole for the cable and pull it through. Drill 2 holes for the screws.



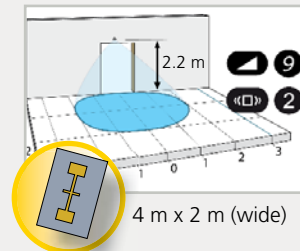
Connect the wires accordingly:  
1 - BROWN - POWER SUPPLY  
2 - GREEN - POWER SUPPLY  
3 - WHITE - COM  
4 - YELLOW - NO  
5 - YELLOW - NC or



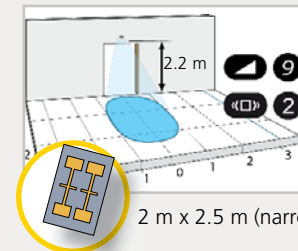
Position the cable as indicated. Fix the sensor firmly.

## 3 MECHANICAL ADJUSTMENTS

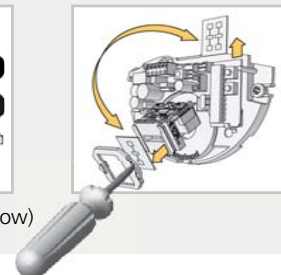
### WIDTH



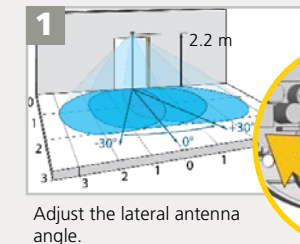
4 m x 2 m (wide)



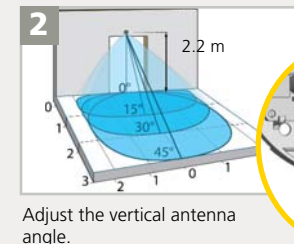
2 m x 2.5 m (narrow)



### ANGLE



Adjust the lateral antenna angle.



Adjust the vertical antenna angle.

## 4 SETTINGS (by remote control or push buttons)

		0	1	2	3	4	5	6	7	8	9	6	6
FIELD SIZE (SENSITIVITY)		XXS	XS	S	>	>	>	>	L	XL	XXL		
IMMUNITY FILTER			low	normal	high	>	>	>	>	>	highest		
DETECTION MODE			bi	uni	uni PRM	uni AWAY	PRM & AWAY						
OUTPUT CONFIGURATION			A	P									
HOLD-OPEN TIME		0.5 s	1 s	2 s	3 s	4 s	5 s	6 s	7 s	8 s	9 s		
MOUNTING HEIGHT			< 3 m	> 3 m									
DOOR CONTROL			auto	open	closed								

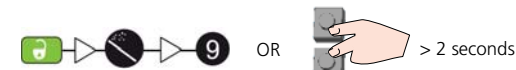
FACTORY VALUES

EAGLE TWO  
DETECTION MODE  
FACTORY VALUE

EAGLE ONE  
DETECTION MODE  
FACTORY VALUE

ONLY AVAILABLE ON  
EAGLE ONE

RESETTING TO FACTORY VALUES:



FIELD SIZE

