

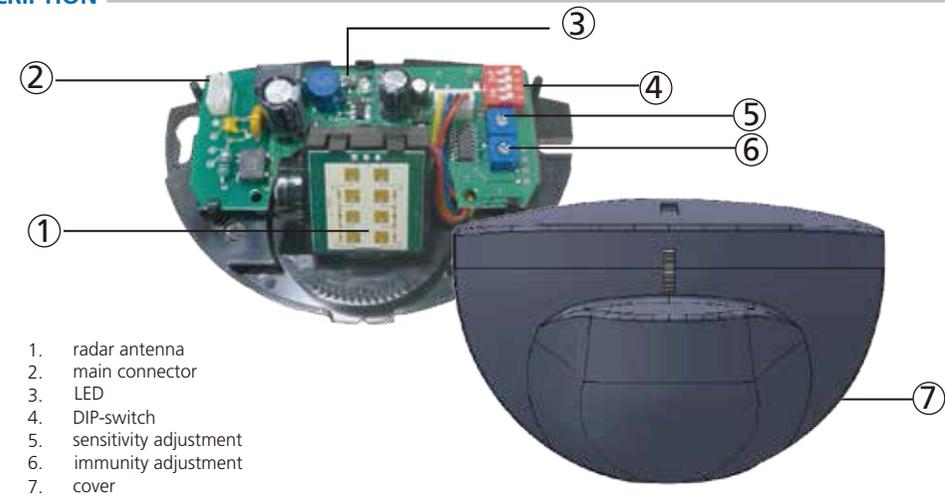
	The door remains closed. The LED is OFF.	The sensor power is off.	<b>1</b> Check the wiring and the power supply.
	The door does not react as expected.	Improper output configuration on the sensor.	<b>1</b> Change the output configuration setting on each sensor connected to the door operator.
	The door 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> Increase the antenna angle. <b>3</b> Increase the immunity filter. <b>4</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> Increase the immunity filter. <b>2</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> Increase the immunity filter.	
	Detection area is too small	Sensitivity is too low Height mode is error set	<b>1</b> Adjust sensitivity potentiometer, increase sensitivity. <b>2</b> When mounting height is more than 3 meters, turn the switch 3 to ON.

## EAGLE 6+DRO

## Opening sensors for automatic doors

## EAGLE 6+DRO: bidirectional sensor

## DESCRIPTION



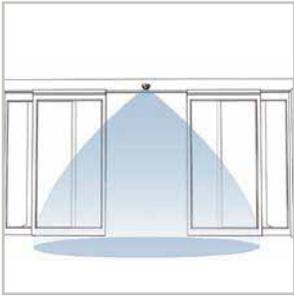
1. radar antenna
2. main connector
3. LED
4. DIP-switch
5. sensitivity adjustment
6. immunity adjustment
7. cover

## TECHNICAL SPECIFICATIONS

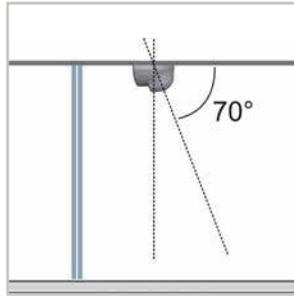
Technology:	microwave doppler radar
Transmitter frequency:	24.150 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm <sup>2</sup>
Detection mode:	motion
Min. detection speed:	5 cm/s (measured in sensor axis)
Supply voltage:	12 V to 24 V AC ±10%; 12 V to 24 V DC +30% / -10%
Mains frequency:	50 to 60 Hz
Max power consumption:	< 2 W
Output:	relay (free of potential change-over contact)
Max. contact voltage:	42 V AC/DC
Max. contact current:	1 A (resistive)
Max. switching power:	30 W (DC) / 60 VA (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
Cable length:	2.5 m
Norm conformity:	R&TTE 1999/5/EC; EMC 2004/108/EC

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

## APPLICATIONS

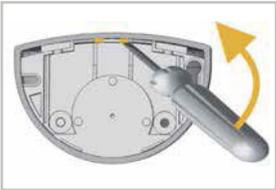


Wall mounting  
(sliding or revolving door)



Ceiling mounting  
(sliding, revolving or swing doors)

## OPENING THE SENSOR

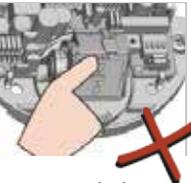


Before fixing



After fixing

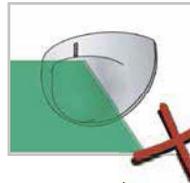
## TIPS



Do not touch electrical parts.



Avoid vibrations.

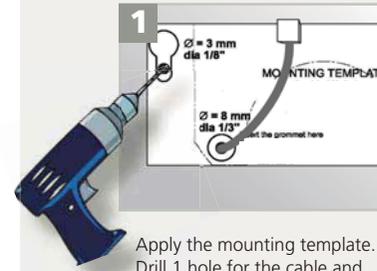


Do not cover the sensor.



Avoid proximity to neon lamps or moving objects.

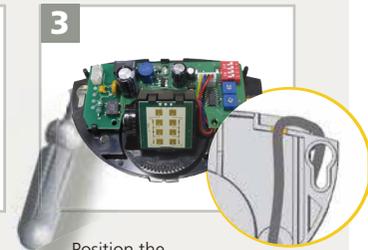
## 1 MOUNTING & WIRING



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



Connect the wires to the door operator as indicated.

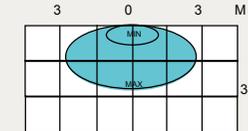
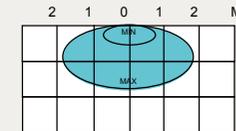


Position the cable as indicated.  
Fix the sensor firmly.

## 2 ADJUSTMENTS

		DIP 1 DETECTION MODE	DIP 2 OUTPUT CONFIG.	DIP 3 MOUNTING HEIGHT	DIP 4 NOT USED	
DIP-SWITCH	EAGLE 6+DRO					
		ON	bidirectional	passive - NC	3m-4m	NOT USED
		OFF	bidirectional	active - NO	1.8m-3m	NOT USED

### SENSITIVITY



### IMMUNITY



To increase the immunity means to strengthen the resistance to external disturbances such as rain, vibrations, etc...

### ANGLE

