

	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.	Improper output configuration on the sensor.	1 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.	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. 3 Install the ORA (rain accessory).
		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.
		In airlock vestibules, the sensor detects the movement of the opposite door.	1 Change the antenna angle. 2 Increase the immunity filter.

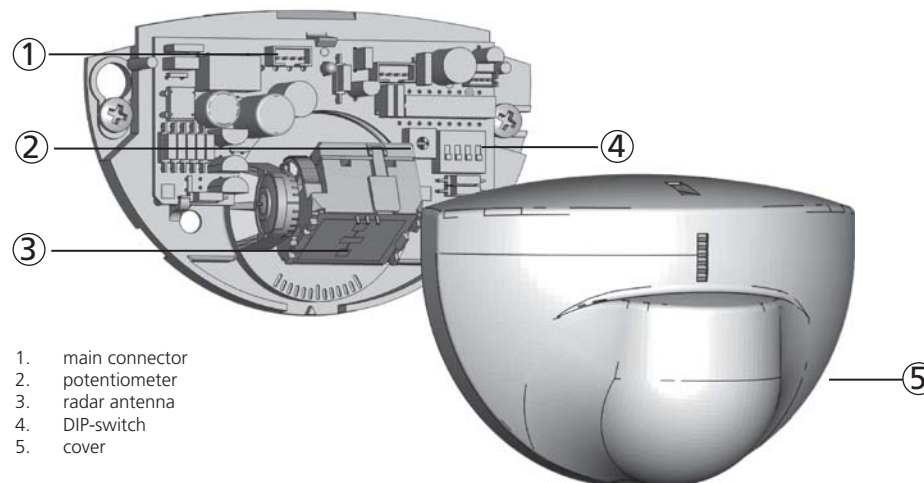
Please keep for further use
Designed for colour printing

EAGLE 5 & 6

Opening sensors for automatic doors

EAGLE 5: energy-saving unidirectional sensor
EAGLE 6: bidirectional sensor

DESCRIPTION



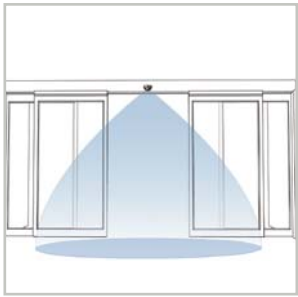
TECHNICAL SPECIFICATIONS

Technology:	microwave doppler radar
Transmitter frequency:	24.150 GHz
Transmitter radiated power:	< 20 dBm EIRP
Transmitter power density:	< 5 mW/cm ²
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 3 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:	120 g
Cable length:	2.5 m
Norm conformity:	R&TTE 1999/5/EC; EMC 2004/108/EC

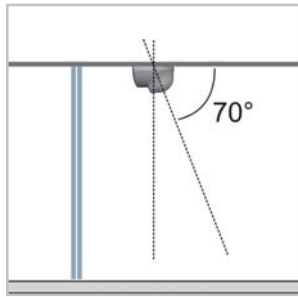
Specifications are subject to changes without prior notice.
Measured in specific conditions



APPLICATIONS

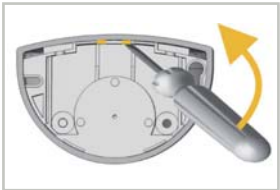


Wall mounting above sliding or revolving door



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

OPENING THE SENSOR



Before fixing



After fixing

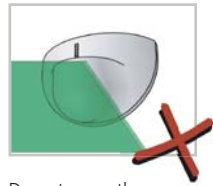
TIPS



Do not touch electrical parts.



Avoid vibrations.

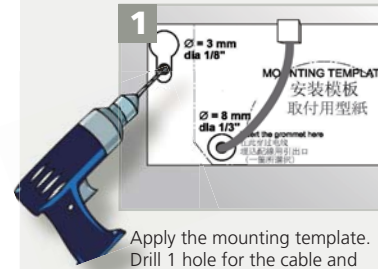


Do not cover the sensor.

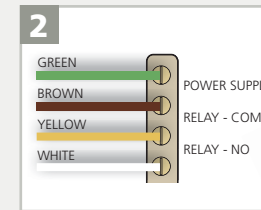


Avoid proximity to neon lamps or moving objects.

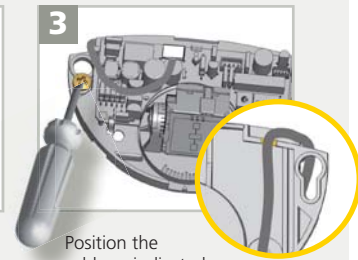
1 MOUNTING & WIRING



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.

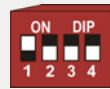


Position the cable as indicated. Fix the sensor firmly.

2 ADJUSTMENTS

DIP-SWITCH

EAGLE 5



DIP 1
DETECTION MODE

ON unidirectional
OFF bidirectional

DIP 2
OUTPUT CONFIG.

passive - NC
active - NO

DIP 3
PRM-MODE
(DIP 1 = ON)

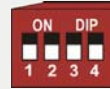
for PRM
normal

DIP 4
IMMUNITY FILTER

high
normal

PRM= persons with reduced mobility

EAGLE 6



ON bidirectional
OFF bidirectional

passive - NC
active - NO

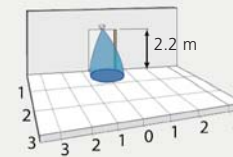
normal
normal

high
normal

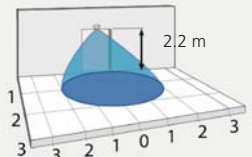
FIELD SIZE



MIN

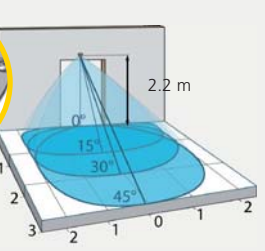
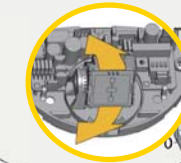
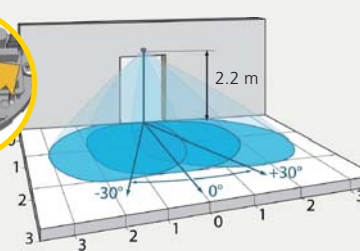


MAX



vertical angle: 30°

ANGLE



field size: max