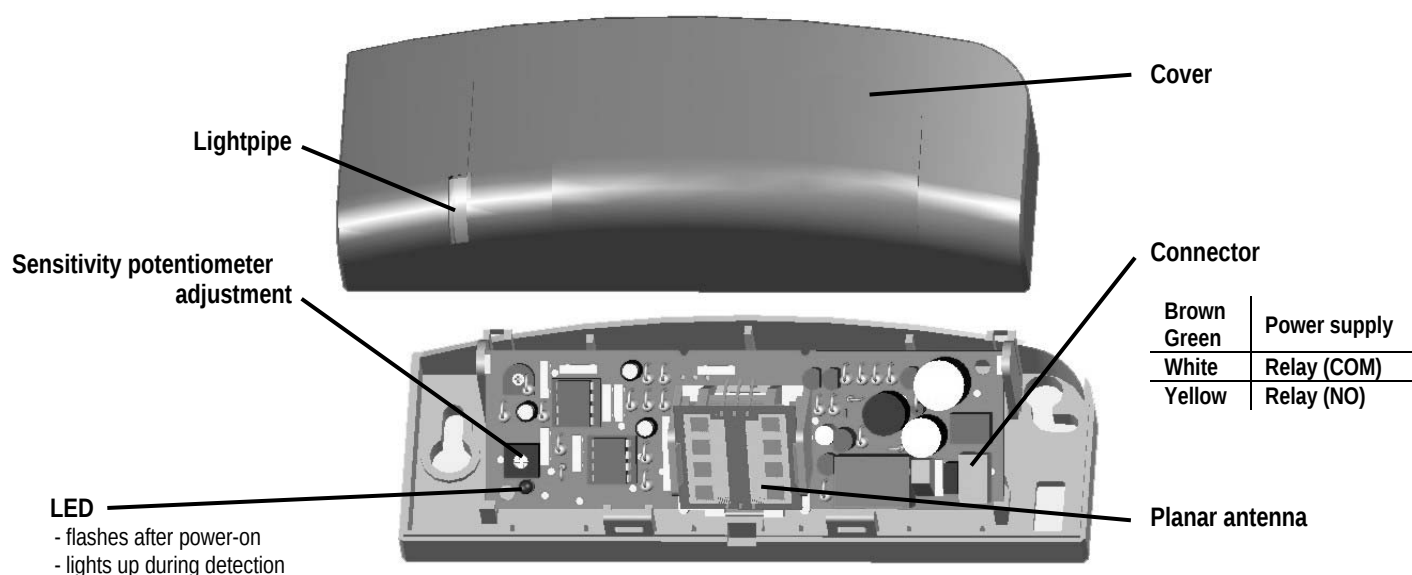


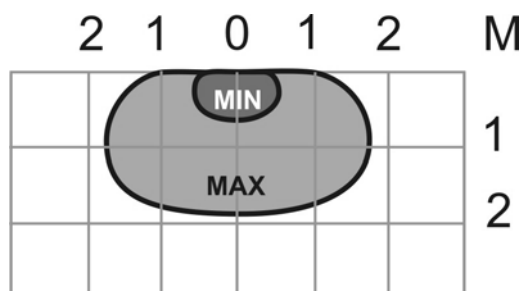
UNIVERSAL RADAR MOTION SENSOR FOR AUTOMATIC DOORS

1 General information



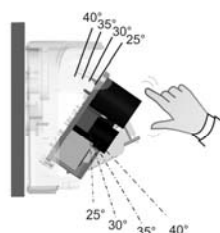
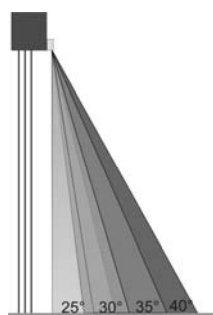
2 Adjustments

1 Size of sensing field: sensitivity settings

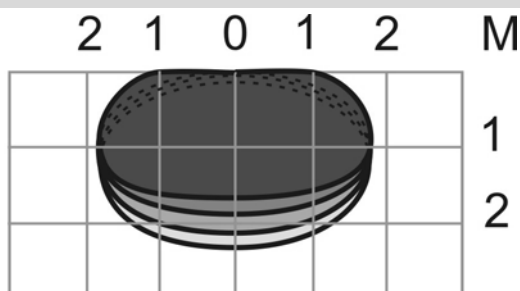


vertical angle: 30°
mounting height: 2.2m

2 Depth of sensing field: vertical angle of the planar antenna

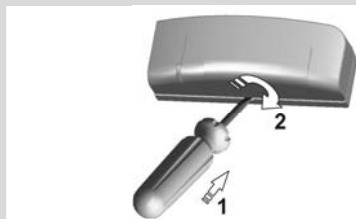


25°
30°
35°
40°

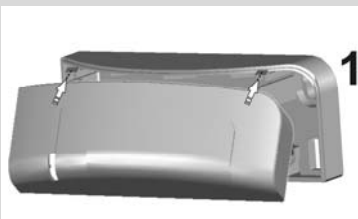


sensitivity: maximum

3 Opening & closing of sensor



OPENING



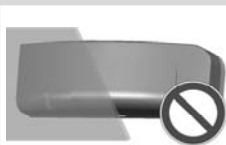
CLOSING



4 Installation tips



Avoid vibrations!



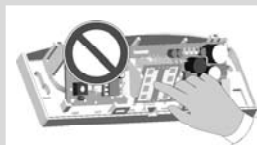
Do not cover the sensor!



Avoid moving objects close to the sensor!



Avoid HF lamps or fluorescent lighting close to the sensor!



Avoid touching the antenna!

5 Troubleshooting

SYMPTOMS	PROBABLE CAUSES	CORRECTIVE ACTION
The door will not open and LED is OFF.	The sensor power is off.	Check the wiring and the power supply.
The door opens and closes constantly.	1. The sensor "sees" the door moving.	Increase the tilt angle and/or reduce the sensitivity.
	2. When closing, the door creates vibrations picked up by the sensor.	Make sure that the sensor is correctly fixed. Increase the tilt angle and/or reduce the sensitivity.
The door will not close. LED is OFF.	ON-OFF switch at door control is in wrong position or faulty.	Make sure that the ON-OFF switch for the door is in the ON or AUTOMATIC position.

6 Technical specifications

Technology	: microwave and microprocessor
Transmitter frequency	: 24.125 GHz
Transmitter radiated power	: <20 dBm EIRP
Transmitter power density	: < 5mW/cm ²
Maximum mounting height	: 3m
Tilt angles	: 25°, 30°, 35°, 40°
Max. detection field (mounting height=2.2m)	: 4m (W) x 2 m (D)
Detection mode	: motion
Minimum speed	: 5 cm/s (measured in the sensor axis)
Supply voltage	: 12V to 24V AC +/- 10%; 12V to 30V DC
Mains frequency	: 50 to 60 Hz
Power consumption	: < 2W (VA)
Output relay (free of potential change-over contact)	
Max. contact voltage	: 42V AC- 60V DC
Max. contact current	: 1A (resistive)
Max. switching power	: 30W (DC) / 60VA (AC)
Output hold time	: 0.5s
Temperature range	: -20°C to +55°C
Degree of protection	: IP52
Material	: ABS
Color of housing	: black, aluminium finish
Dimensions	: 142mm (W) x 46mm (H) x 45mm (D)
Weight	: 0.100 kg
Length of cable	: 2.5m