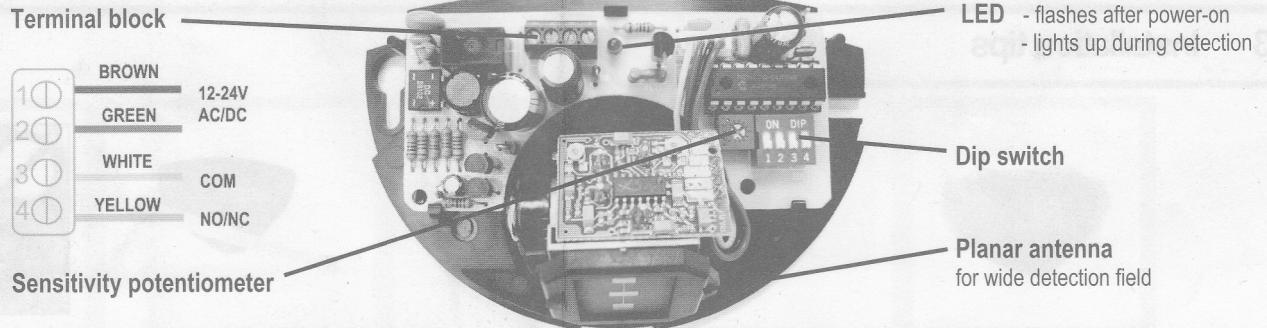


## 1 General information

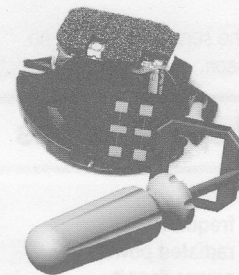
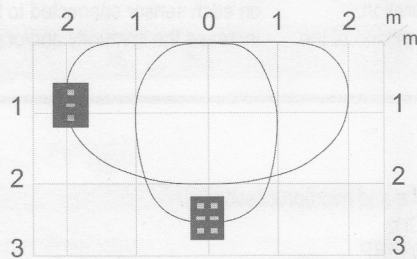


## 2 Adjustments

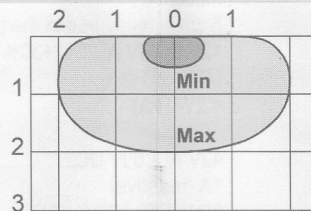
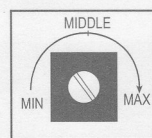
### 1 Dip switch settings

ON DIP 1 2 3 4	DIP SWITCH 1 Detection mode	DIP SWITCH 2 Relay configuration	DIP SWITCH 3 MTF-mode	DIP SWITCH 4 Immunity
▲ ON	Not used	Passive output	Not used	Increased immunity
▼ OFF		Active output		Normal immunity

### 2 Width of the sensing field: choice of antenna

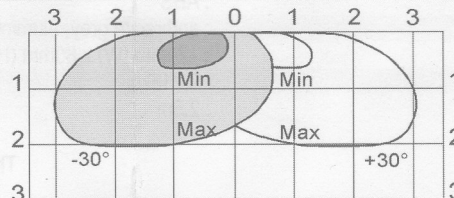
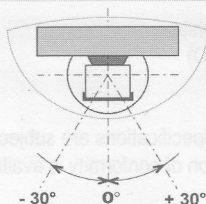


### 3 Size of the sensing field: sensitivity settings



vertical angle: 30°, mounting height: 2.2m

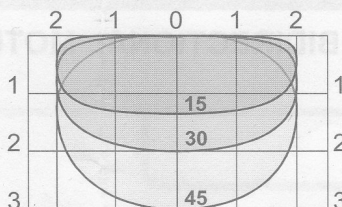
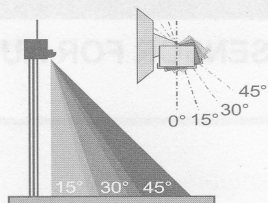
### 4 Position of the sensing field: lateral angle of the planar antenna



mounting height: 2.2m

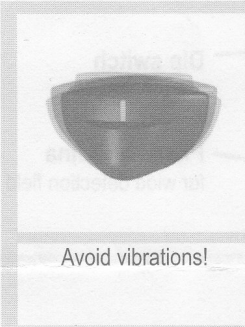
## 5

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



sensitivity : maximum, mounting height: 2.2m

## 3 Installation tips



Avoid vibrations!



Do not cover the sensor!



Avoid moving objects  
in proximity of the sensor!



Avoid HF lamps or  
fluorescent lighting  
in proximity of the sensor!



Avoid touching  
electronics!

## 4 Troubleshooting

### SYMPTOMS

The door will not open and no red LED lights up.

The door opens and closes constantly.

The door will not close.  
Red LED is OFF.

It rains and the sensor detects for no apparent reason.

### PROBABLE CAUSES

The sensor power is off.

The sensor "sees" the door moving. When closing, the door creates vibrations picked up by the sensor. ON-OFF switch at door control is in wrong position or faulty. Improper output configuration.

The sensor detects the motion of the rain drops.

### CORRECTIVE ACTION

Check the wiring and the power supply.

Increase the tilt angle and/or reduce the sensitivity. Make sure that the sensor is correctly fixed. Increase the immunity (dip switch 4: ON). Reduce the sensitivity. Make sure that the ON-OFF switch for the door is in the ON or AUTOMATIC position. Check the output configuration setting on each sensor connected to the door operator. Increase the immunity and/or decrease the sensitivity.

## 5 Technical specifications

Technology	: microwave and microprocessor
Transmitter frequency	: 24.175 GHz
Transmitter radiated power	: <20 dBm EIRP
Transmitter power density	: < 5mW/cm <sup>2</sup>
Maximum mounting height	: 3m
Tilt angles	: 0° to 90° vertical and -30° to +30° lateral
Detection field (mounting height: 2.2m)	: 4m (W) x 2m (D)
Detection mode	: motion
Minimum speed	: 5 cm/s (measured in the sensor axis)
Supply voltage	: 12V to 24V AC/DC +30% / -10%
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)
Hold time	: 0.5s
Temperature range	: -20°C to +55°C
Degree of protection	: IP54
Norm Conformity	: R&TTE 1999/5/EC; EMC 89/336/EEC
Material	: ABS
Color of housing	: anthracite grey, aluminum finish, white
Dimensions	: 120mm (W) x 80mm (H) x 50mm (D)
Weight	: 0.215kg
Length of cable	: 2.5m

Specifications are subject to changes without prior notice  
The declaration of conformity is available on our website: [www.faac.it](http://www.faac.it)