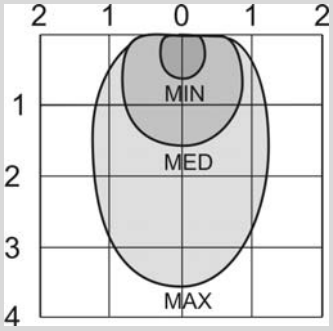
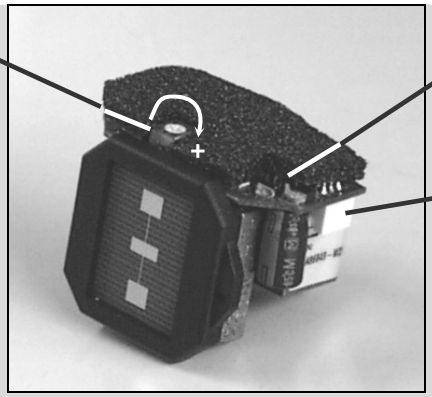
1 General Information

Sensitivity Potentiometer



Vertical angle: 0°
Mounting height: 1m



LED

- flashes for a few seconds after power-on.
- lights up when the sensor detects motion.

Wiring

GREEN	Power supply (+)
BROWN	Ground
WHITE	Output transistor (open-collector)

2 Installation Tips

Avoid vibrations!	Do not cover the sensor!	Avoid moving objects in proximity of the sensor!	Avoid HF lamps and fluorescent lighting in proximity of the sensor!	Do not remove the protection which avoids contact with the electronical parts!

3 Troubleshooting

SYMPTOMS	POSSIBLE CAUSES	CORRECTIVE ACTION
The gate will not open and no red LED lights up.	The sensor power is off.	Check the wiring and the power supply.
The gate opens and closes constantly.	The sensor "sees" the gate moving. Closing the gate creates vibrations picked up by the sensor.	Increase the tilt angle and/or reduce the sensitivity. Ensure that the sensor is correctly fixed to avoid vibrations.

4 Technical Specifications

Technology	: microwave and microprocessor
Transmitter frequency	: 24.175 GHz
Transmitter radiated power	: <20 dBm EIRP
Transmitter power density	: < 5 mW/cm²
Mounting height	: from 0.8 m to 1.2 m
Detection area (mounting height = 1 m)	: 2.40 m (W) x 3.60 m (D)
Detection mode	: motion
Minimum speed	: 5 cm/s (measured in the sensor axis)
Supply voltage	: 12V to 24V DC +30% / -10%
Power consumption	: < 2W (VA)
Output transistor (open collector)	
Max. Current	: 60 mA
Voltage Drop	: 2 V @ 10mA
Temperature range	: -20°C to +55°C
Norm Conformity	: EMC 2004/108/EC
Dimensions	: 40 mm (W) x 30 mm (H) x 30 mm (D)
Weight	: 140g
Length of cable	: 1 m (max. 3m)

The declaration of conformity and other technical documentation are available on our website or can be requested by phone or mail.

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