SAVING AN ACCESS CODE:

The access code (1 to 4 digits) is recommended to set sensors installed close to each other.

DELETING AN ACCESS CODE:

Once you have saved an access code, you always need to enter this code to unlock the sensor. If you forget the access code, **cut and restore the power supply**. During 1 minute, you can access the sensor without introducing any access code.

TROUBLESHOOTING _____

	The door remains closed. The LED is OFF.	The sensor power is off.	1 Check the wiring and the power supply.
		The door control setting (F2) is set to value 3 (closed).	1 Change the door control setting (F2) to value 1 (automatic).
	The door does not react as expected.	Improper output configuration on the sensor.	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.	 Make sure the sensor is fixed properly. Make sure the detection mode is unidirectional. Increase the antenna angle. Increase the immunity filter. Reduce the field size.
	The door opens for no apparent reason.	It rains and the sensor detects the motion of the rain drops.	 Make sure the detection mode is unidirectional. Increase the immunity filter. 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.	Change the antenna angle. Change the antenna. Increase the immunity filter.
*	The LED flashes quickly after unlocking.	The sensor needs an access code to unlock.	 Enter the right access code. If you forgot the code, cut and restore the power supply to access the sensor without access code. Change or delete the access code.
	The sensor does not respond to the remote control.	Batteries in the remote control are weak or installed improperly.	1 Check and change the batteries if necessary.
		Remote control badly pointed.	1 Point the remote control towards the sensor.

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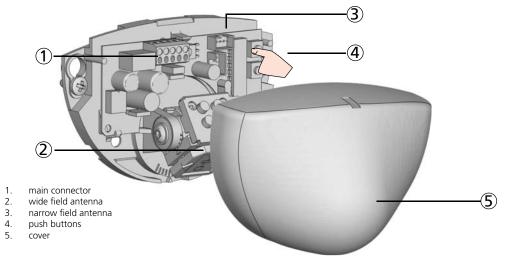
Angleur, January 2013 Jean-Pierre Valkenberg, R&D Manager (Authorized representative)

BEA hereby declares that the EMSA51 is in conformity with the basic requirements and the other relevant provisions of the directives 1999/5/EC and 2004/108/EC.



Opening sensor for automatic doors* Energy-saving unidirectional sensor

DESCRIPTION =



TECHNICAL SPECIFICATIONS

Technology:	microwave and microprocessor	
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**	
Supply voltage:	12V to 24V AC ±10%; 12V to 24V 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:	42V AC/DC	
Max. contact current:	1A (resistive)	
Max. switching power:	30W (DC) / 60VA (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:	PC	
Weight:	215 g	
Cable lenght:	2.5 m	
Norm conformity:	R&TTE 1999/5/EC; EMC 2004/108/EC	

Specifications are subject to changes without prior notice.

^{*} Other use of the device is outside the permitted purpose and can not be guaranteed by the manufacturer.

^{**} Measured in optimal conditions

OPENING THE SENSOR





Before fixing

After fixing

MOUNTING & WIRING









Do not touch electronical parts.

Avoid vibrations.

Do not cover the sensor.

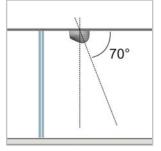
Avoid proximity to neon lamps or moving objects.











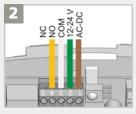
Wall mounting above sliding or revolving door

Mounting on door axis (swing doors) Ceiling mounting in front of door

(sliding, revolving or swing doors)



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



Connect the wires accordingly: 1 - BROWN - POWER SUPPLY

- 2 GREEN POWER SUPPLY
- 3 WHITE COM
- 4 YELLOW NO or 5 - YELLOW - NC

