LED-SIGNALS

The ORANGE LED flashes every second.	The sensor goes into security mode.	1 Cut and restore power supply.
The ORANGE LED flashes 1 x.	The sensor signals an internal fault.	1 Cut and restore power supply. 2 If orange LED flashes again, replace sensor.
The ORANGE LED is on.	The sensor encounters a memory problem.	1 Cut and restore power supply. 2 If orange LED lights up again, replace sensor.
The RED LED flashes quickly after a setup.	The sensor sees the door during the setup.	1 Check the angle of the IR-curtains. 2 Launch a new setup. *Attention: Do not stand in the detection field!*
The RED LED lights up sporadically.	The sensor vibrates.	1 Check if the sensor is fastened firmly. 2 Check position of prism and cover.
	The sensor sees the door.	1 Launch a setup and adjust the IR angle.
The GREEN LED lights up sporadically.	Ghosting	1 Change radar antenna angle.
	The sensor vibrates.	1 Check if the sensor is fastened firmly. 2 Check position of cable and cover.
	The sensor sees the door or other moving objects.	1 Remove the objects if possible. 2 Change radar antenna. 3 Change radar field size (sensitivity).
The reaction of the door does not correspond to the LED-signal.		1 Check wiring.

SAFETY INSTRUCTIONS

The manufacturer of the door system is responsible for carrying out a risk assessment and installing the sensor and the door system in compliance with applicable national and international regulations and standards on door safety.
Only trained and qualified personnel may install and setup the sensor.
The warranty is void if unauthorized repairs are made or attempted by unauthorized personnel.
Avoid touching any electronic and optical components.

Angleur, November 2010 Jean-Pierre Valkenberg, Authorized representative
The complete declaration of conformity is available on our website: www.bea.be

Other use of the device is outside the permitted purpose and can not be guaranteed by the manufacturer. The manufacturer cannot be held responsible for incorrect installations or inappropriate adjustments of the sensor.

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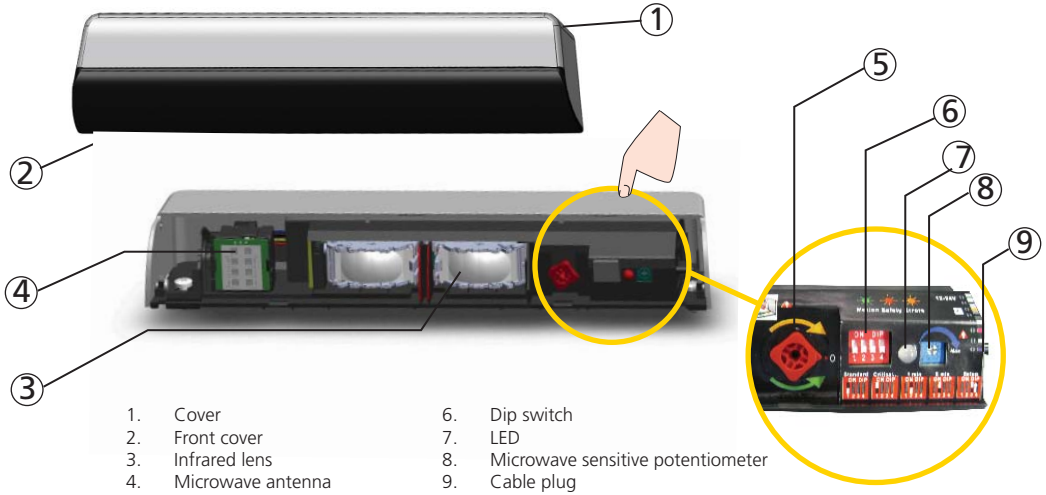
Opening & safety sensor for automatic sliding doors

DESCRIPTION



1. Cover
2. Front cover
3. Infrared lens
4. Microwave antenna
5. IR-curtain ajustment screw
6. Dip switch
7. LED
8. Microwave sensitive potentiometer
9. Cable plug

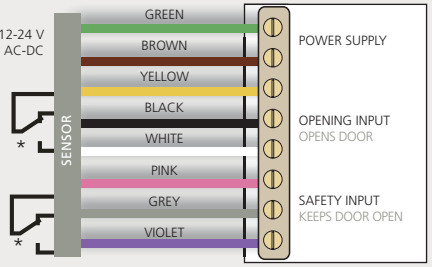
TECHNICAL SPECIFICATIONS

Supply voltage:	12 V - 24 V AC +/-10% ; 12 V - 30 V DC 0%/+10%	
Power consumption:	< 3 W	
Mounting height:	1.8 m to 3 m	
Temperature range:	-25 °C to +55 °C	
Degree of protection:	IP54	
	GREEN LED	RED LED
Detection mode:	Motion Min. detection speed: 5 cm/s	Presence Typical response time: <128 ms (max. 500 ms)
Technology:	Microwave doppler radar Transmitter frequency: 24.150 GHz Transmitter radiated power: < 20 dBm EIRP Transmitter power density: < 5 mW/cm2	Active infrared with background analysis Spot diameter: 6 cm (typ) Number of spots: 24 by curtain Number of curtains: 1
Angle:	From 15 ° to 45 ° vertical (adjustable)	From -5 ° to +8 ° (adjustable)
Output:	Relay (free of potential) Max. contact voltage: 42 V AC/DC Max. contact current: 1 A (resistive) Max. switching power: 30 W (DC)/60 VA (AC)	Relay (free of potential) Max. contact voltage: 42 V AC/DC Max. contact current: 1 A (resistive) Max. switching power: 30 W (DC)/60 VA (AC)
Hold time output signal:	0.5 s	0.5 s

Specifications are subject to changes without prior notice.
All values measured in optimal conditions.

1 MOUNTING & WIRING

The door control unit and the door cover profile must be correctly earthed.



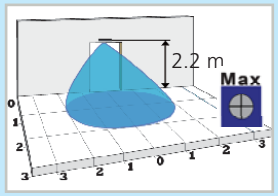
* Output status when sensor is operational

Please make sure the cable conectior is maintained the IP class.

2 RADAR FIELD - OPENING IMPULSE

GREEN LED

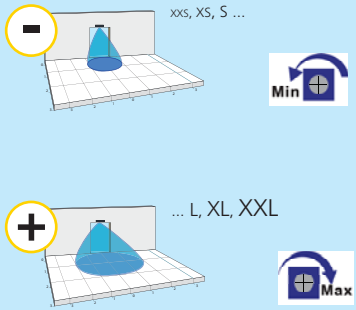
WIDTH



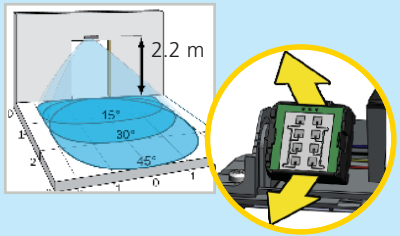
The maximum detection field is 4 m x 2 m.

The width of the radar field varies according to the mounting height of the sensor.

FIELD SIZE



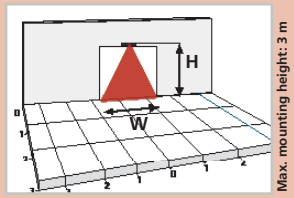
ANGLE



3 INFRARED FIELD - SAFETY

RED LED

WIDTH

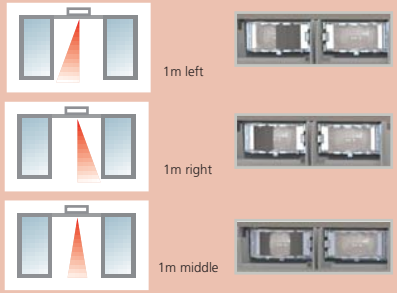


* Mask is an accessary.

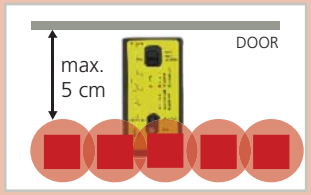
Use mask to get different areas of detection field.

H	W
2.20 m	2.20 m
2.50 m	2.50 m
3.00 m	3.00 m

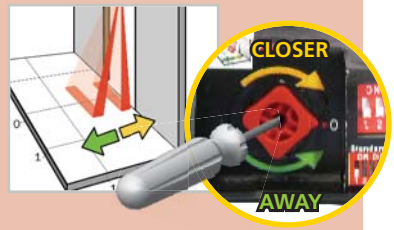
Measured in optimal conditions.



ANGLE

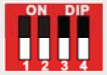


Spont finder LED



4 SETUP

Dip switch



Step out of the detection field during setup.

	1	2	3	4
▲ON	Critical environment/outdoor *	Presence time 5min	Push from OFF to ON,start assistance set up	Reservation
▼OFF	Indoor	Presence time 1min		

Assistance setting

* The critical environment/outdoor sensitivity is decreased, and the immunity is increased.

IMPORTANT: Test the good functioning of the installation before leaving the premises.

It is recommended to clean the optical parts at least once a year or more often if required due to environmental conditions.

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