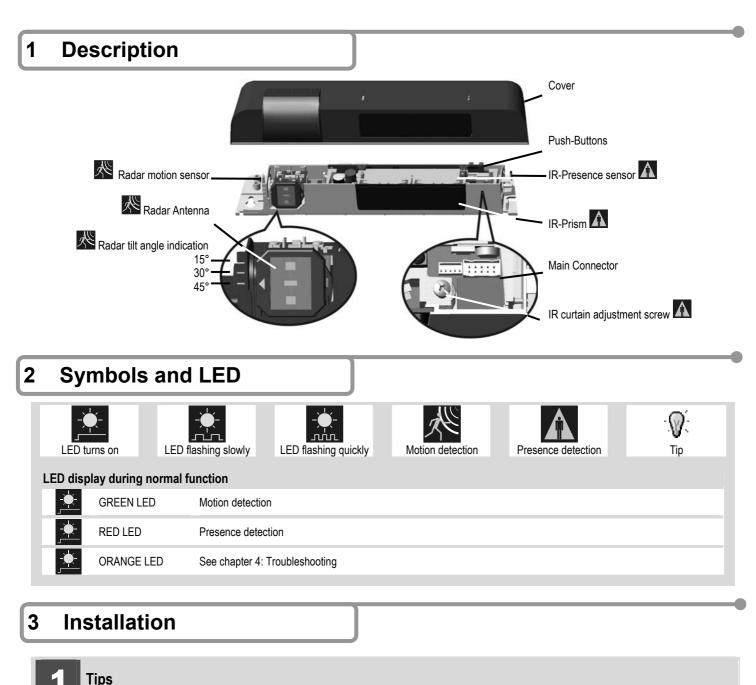


EAGLE SIX SAFE USER'S GUIDE

COMBINED RADAR OPENING AND ACTIVE INFRARED SAFETY SENSOR



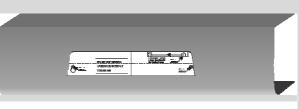




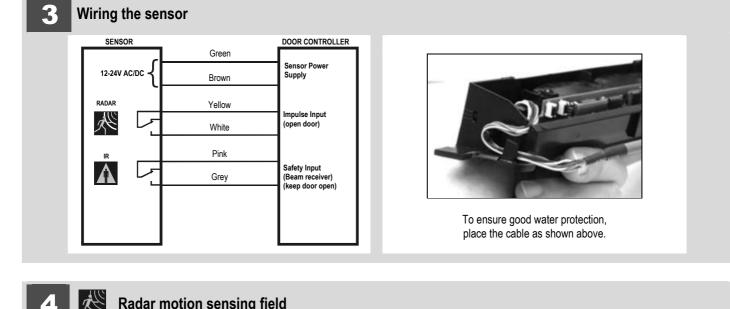
Mounting the sensor

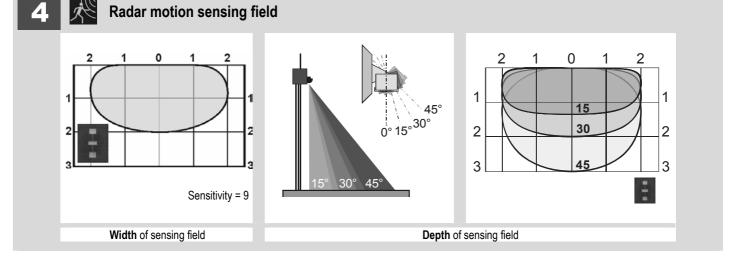


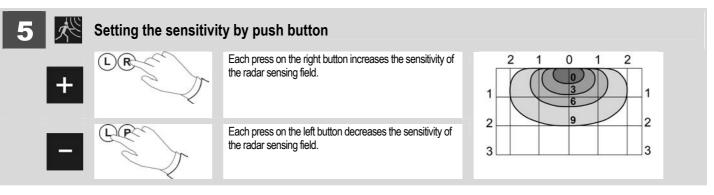
of the door operator.

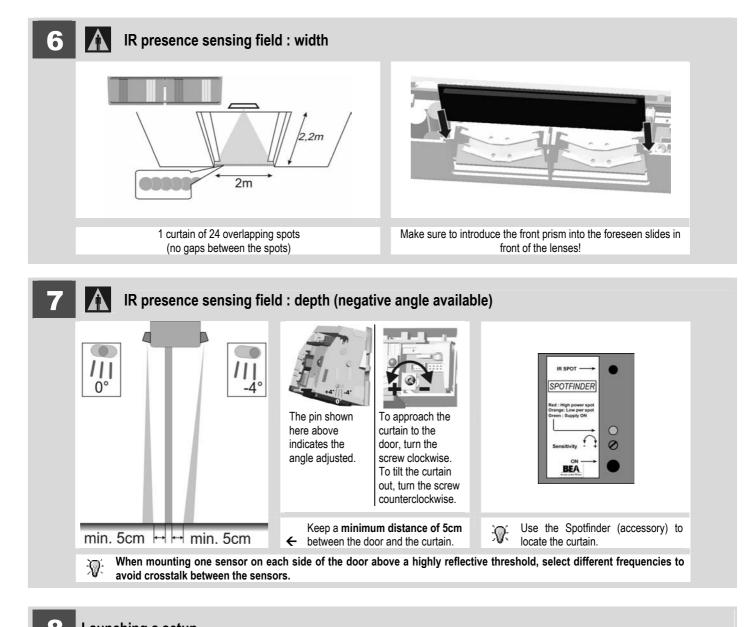


Use the mounting template to drill holes and position the sensor.









8	Launc	hing a setup						
			Cut and restore power. The sensor takes a new reference power adjustments by push buttons.	9				
		l setup	Press and hold the right push button until the LED flashes RED-GREEN. Recommended after first installation or mechanical adjustments of the IR-module.	luence				
LED dis	play durin							
-0-	Setup-process active: the sensor learns its environment. After finishing the setup process, the sensor shows the following behavior:							
RED-		NO LED	The sensor successfully finished its setup.					
GREEN LED	-•	RED LED flashing quickl	The sensor 'sees' the door movement and can not finish its setup (see troubleshooting).					
	<u>__</u>	ORANGE LED continuou	The sensor encounters signal saturation (see troubleshooting).					

4 Troubleshooting

SYMPTOMS	POSSIBLE CAUSES	CORRECTIVE ACTION			
Red LED flashing quickly after an assisted setup.	The sensor 'sees' the door movement and can not finish its setup.	Adjust the position of the IR curtains.			
Orange LED permanently ON after an assisted setup.	The sensor encounters a signal saturation.	Use the wide-field prism and/or slightly increase the IR curtains angle (turning the screw counterclockwise).			
Orange LED ON	The sensor encounters a signal saturation.	Use the wide-field prism and/or slightly increase the IR curtains angle (turning the screw counterclockwise). Launch an assisted setup.			
Orange LED flashes	The sensor signals an internal fault.	Cut and restore the power supply. If the orange LED lights up again, replace faulty sensor.			
Red LED ON	The sensor detects a presence.	Wait the time set in "maximum duration of presence detection" setting or launch an assisted setup (with the remote control or right push button).			
Unwanted presence detection	The sensor is not placed properly and/or the front face is not properly fixed.	Fasten the sensor firmly and/or check whether the front face prism is placed into the foreseen slides (see section 6) and not in the sensor cover.			

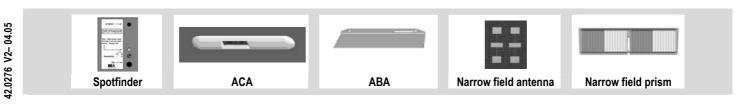
5 Technical Specifications

Supply voltage	: 12V (- 5%) to 24V (+10%) AC/DC
Mains frequency	: 50 - 60 Hz
Power consumption	:<3W
Mounting height	: 1.8 m to 3 m
3-color LED	: RED (presence detection) – GREEN (motion detection) – ORANGE (signal saturation, error)
Temperature range	: -25°C to +55°C
Degree of protection	: IP54
Dimensions	: 262 mm (L) x 55 mm (H) x 44 mm (D)
Weight	: 250 g
Housing material	: ABS + LURAN S
Minimum length of cable	: ± 2.6 m
Range of Remote Control	:5 m

	MOTION SENSOR					PRESENCE SENSOR					
Detection mode	Motion - Bidirectional				Presence						
	Minimum detection speed: 5 cm/s (measured in sensor axis)				Response time: < 128ms						
Technology	Microwave and microprocessor				Focused active infrared and self-monitored microprocessor						
	Transmitter frequency:			24.175 GHz	Spot diameter (standard): 0.1m max						
	Transmitter radiated power:		< 20 dBm EIRP		Number of spots:		24 or 1	24 or 12 spots by curtain			
	Transmitter power density:		< 5 mW/cm ²		Number of (curtains:	1	1			
Detection field		Width	Depth				Width	Depth			
	Wide	4 m	2 m			Wide	2 m	0,35 m			
	Narrow	2 m	2,5 m	OPTIONAL		Narrow	1 m	0,35 m	OPTIONAL		
Angle	From 15° to 50° in elevation (adjustable)			From - 4° to + 4° (adjustable)							
Output specification	Relay (free of potential contact):				Relay (free of potential contact):						
	Max. contact voltage: 42V AC/ DC			Max. contact voltage: 42V AC/ DC							
	Max. co	ontact current	:: 1A (re	esistive)		Max. co	ontact currer	nt: 1A (res	istive)		
	Max. switching power: 30W (DC) / 60VA (AC)			Max. switching power: 30W (DC) / 60VA (AC)							
Output holdtime	0.5s				0.1/1s						
Detection time						30s (standa	30s (standard)				
					10s (during 1h in case of disturbances)						

Sensing field dimensions given at 2.2m mounting height. Specifications are subject to changes without prior notice.

6 Accessories (sold individually)



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