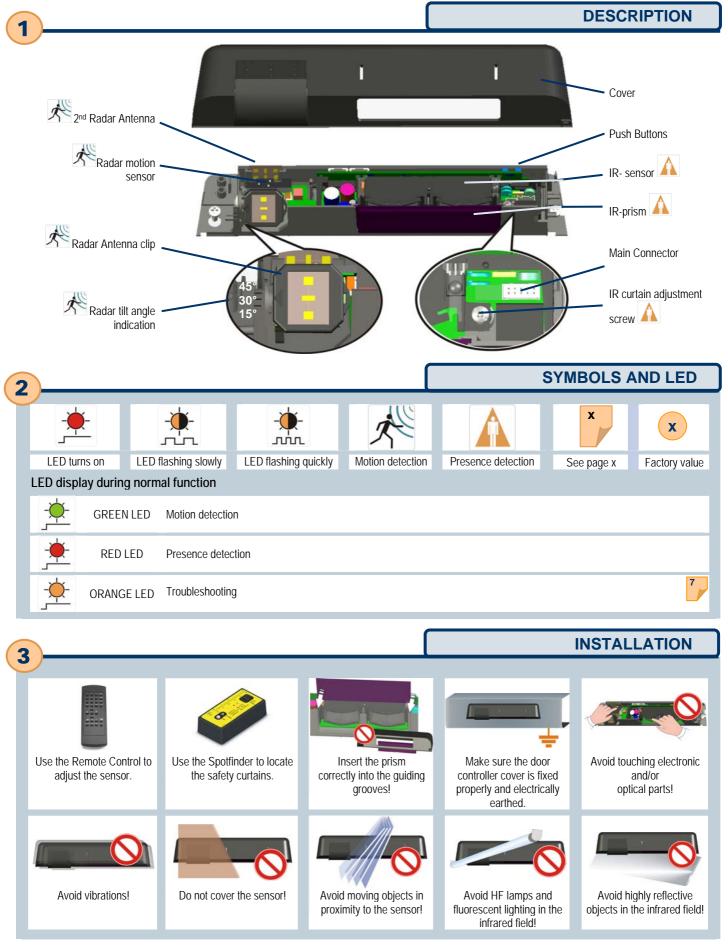
ACTIV8 ONE ON USER'S GUIDE

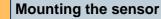


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OMPAN

COMBINED RADAR OPENING AND ACTIVE INFRARED SAFETY SENSOR





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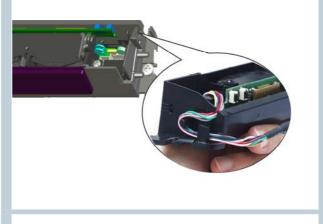




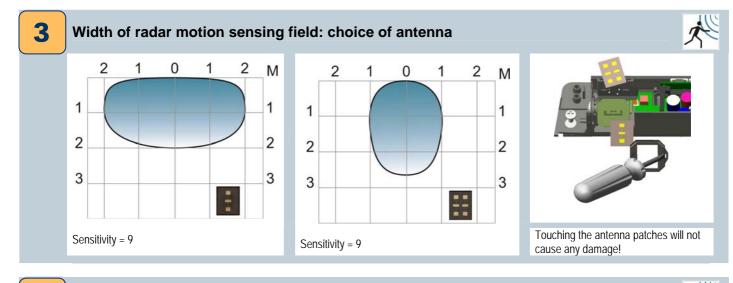
Mount the sensor at a maximum height of 5 cm from the bottom line of the door controller.

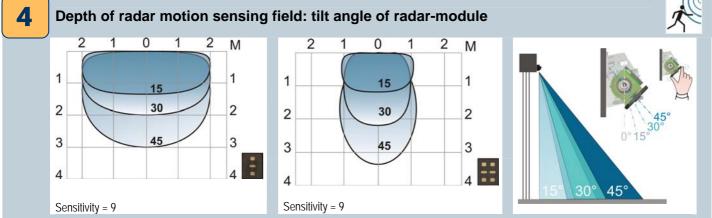


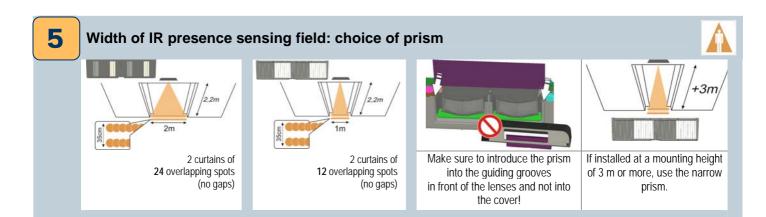
2 Wiring the sensor GREEN SENSOR POWER SUPPLY 12-24 AC-D BROWN 1 YELLOW 0 **OPENING INPUT** WHITE ENS DOOR PINK 0 SAFETY INPUT GREY BEAM RECEIVER **KEEPS DOOR OPEN** RED 0 MONITORING INPUT MONITORING OUTPUT BLUE BEAM TRANSMITTER

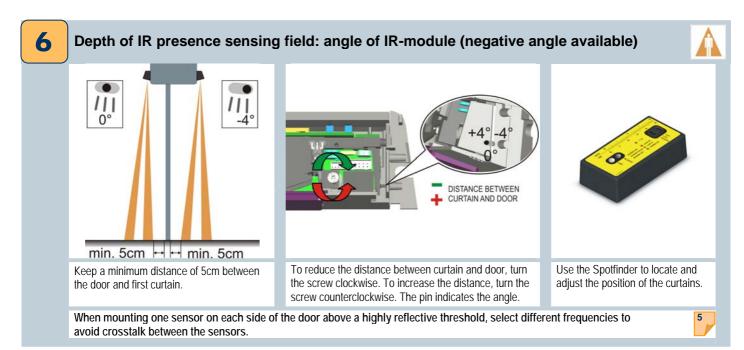


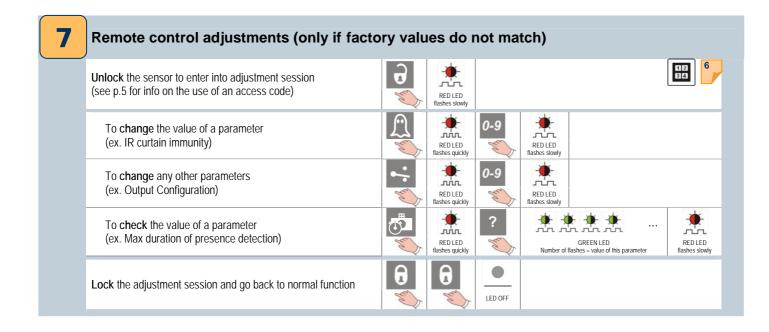
To ensure waterproof installation, place the cable as shown above.





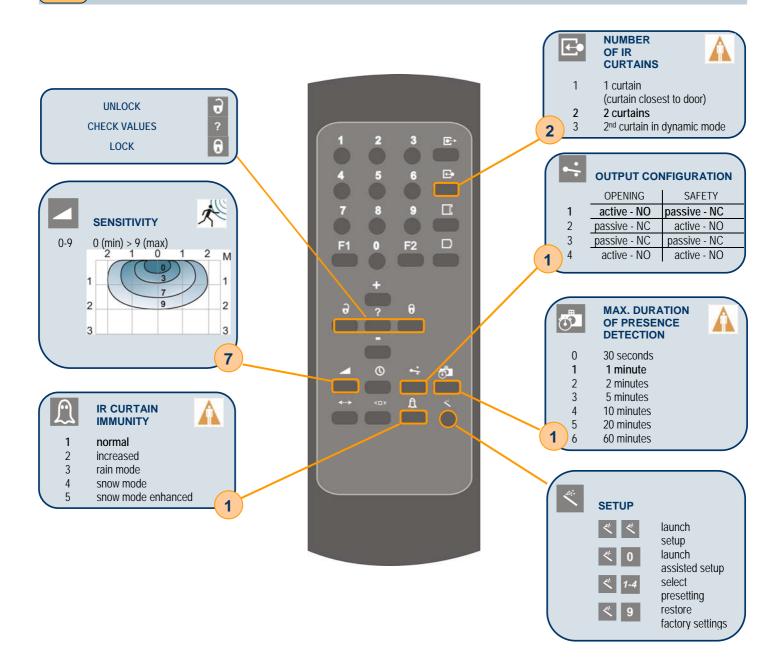


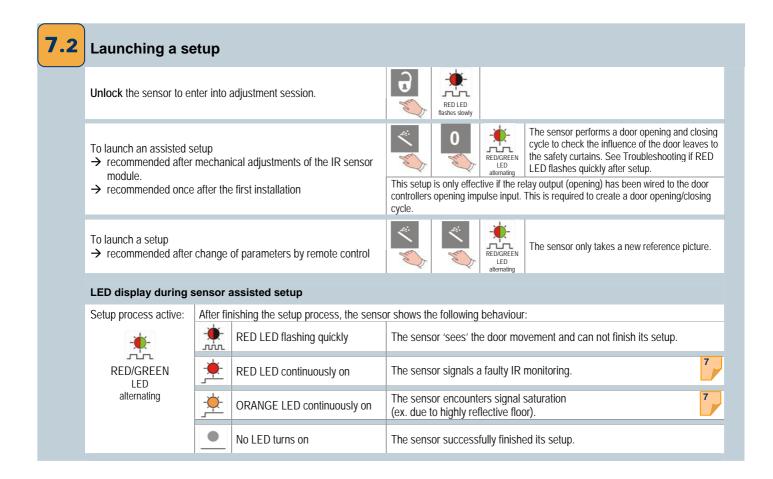




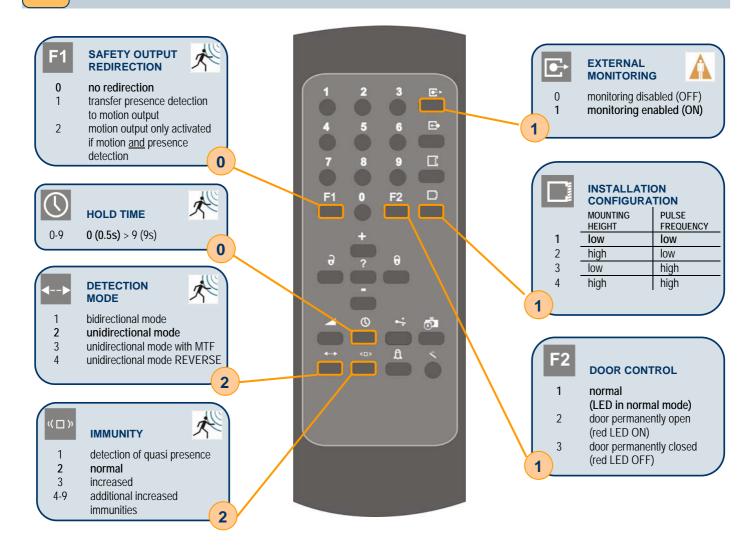


Important remote control adjustments





7.3 Additional remote control adjustments



4			INSTALLAT		
	To be TÜV compliant for the Co	man markat plaasa m	ake sure to adjust the sensor as follows:		
TÜV Requirements in Germany	Number of IR curt		2		
	Max. duration of p	resence detection	1 or higher (min. 1minute)		
Baumuster geprüft	External Monitorin	g Enabled	1 (ON)		
	IR curtain immunit	у	1 to 3		
High mounting height (>3m)	If the sensor is installed higher to In addition set the mounting heigh		, make sure to use the narrow prism.	3+5	
(~511)	Installation Configu	uration	High Mounting Height		
	Installation Configu	uration	High Mounting Height		
Inside installation	According to the location and us	e of the sensor, choose	e one of the following presettings:		
	1 Presetting 1		Internal installation, vulnerable users	前岛科	
	Presetting 2		Internal installation, normal or trained users	††	
Outside installation	3 Presetting 3		External installation, vulnerable users	前点标	
	4 Presetting 4		External installation, normal or trained users	₩	
Rain/Snow	If the sensor is exposed to rain of	or snow, use the URC (Universal Rain Cover). Set the sensor to prese	ting 3 or 4 to 4	
	increase the immunity of the sensor. You can reduce the influence of rain and snow even more when selecting the RAIN or SNOW mode for the IR curtain immunity:				
	A RAIN mode	,			
	A SNOW mode		1 the second sec		
	SNOW mode enha	inced			
Reflective environments	S The additional increased radar immunity modes (4-9) reduce disturbances of the motion sensor in highly reflective environments (airlocks, curved and round sliding doors, metallic environments etc.).			ly reflective 5	
	4-9 Additional increased immunities				
Setup	0 Assisted Setup (~	4sec)	Sensor checks the influence of the door leave curtains (performs a door open/door close cyc		
	Standard Setup (~	4sec)	Sensor only learns its environment		
	After adjusting the sensor for the first time, it is recommended to launch an "assisted Se the door movement, move the curtains out of the door leaves.			sensor module "sees"	
Access Code	ode The access code is recommended to set sensors that are installed close to each other with remote control. If you forget the access code, you can still gain access to the sensor during the first minute after powering up (unlocking the sensor does				
12	not require entering an access of	ode). You can program	a new code or remove the code by entering LC		
3 4	o 0 1-9 1-9 1-9		Save an access code (between 1 and 4 digits)		
	d 0 0 0		Delete the access code (0 or 0000)		
Overlapping IR-curtains			side may cause disturbances due to crosstalk. n: avoid curtains that are overlapping by more t		
No monitoring on	If no monitoring of the IR sensor	is required, but the pro	duct has the monitoring enabled by default, set	"monitoring" to "0":	
IR curtain	■ 0 External Monitorin	g Enabled	OFF		
Only one single impulse input on door controller	door open), use the "Safety Out	out Redirection" to trans	for motion impulse (open the door) and no safe sfer the safety detection (IR sensor module) to controller. Note that the monitoring function is	he motion impulse	
	F1 1 Safety Output Red	irection	Transfer presence detection to the motion ou	tput	
PULSE monitoring of safety sensor (beams)	If your door controller monitors its safety sensors using PULSE (ex. RECORD, ATS, DORMA ES-90 EM2/EM3), make sure you have a PULSE compatible product (ACTIV8 PULSE).			EM2/EM3),	
Check the wiring	Push the left push button to release the outputs. The door should close and the LED should switch off.				
Push Buttons	For more information on the use of the push buttons, ask our quick reference guide "How to use push buttons".				
				(10	

5)-			TROUBLESHOOTING
	SYMPTOMS	POSSIBLE CAUSES	CORRECTIVE ACTION
- * - nn	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.
<u>*</u>	Red LED permanently ON after an assisted setup.	The sensor fails the IR test.	 Cut and restore the power supply. Launch a new assisted setup.
<u>*</u>	Red LED ON	The sensor detects a presence.	If the LED still stays ON, replace the sensor. Wait as long as the time set in the "maximum duration of presence detection" setting or launch an assisted setup (with the remote control or right push button).
*	Red LED ON The presence detection is disturbed by the rain.		Increase the immunity of the curtains (value 3 - 5)
<u>.</u>	Green LED ON The radar detection is disturbed by the rain.		 Check whether the unidirectional mode is selected and the MTF function is disabled. Increase the radar immunity.
بن	Orange LED flashes	The sensor signals an internal fault.	Cut and restore the power supply. If the orange LED flashes again, replace faulty sensor.
<u></u>	Orange LED ON	The sensor encounters signal saturation.	 Use the wide field prism and/or slightly increase the IR- curtains angle (turning the screw counterclockwise). Launch an assisted setup.
	The door is not closing. LED OFF	1. On-Off switch at door control is in wrong position or is faulty.	Check to insure that On-Off switch for door is in ON or AUTOMATIC position.
		2. Improper output configuration on the sensor.	Check the output configuration setting on each sensor.
		3. Faulty sensor monitoring of the door controller.	 Check if the monitoring mode is ON or PULSE depending on the door controller. Check the wiring. Verify that 'Door Control' (F2) is set to 'AUTO'.
•	The door closes slowly. LED OFF	Faulty sensor monitoring of the door controller.	 Check if the monitoring mode is ON or PULSE depending on the door controller. Check the wiring. Verify that 'Door Control' (F2) is set to 'AUTO'.
•	After a power on, there is no LED-signal, even during a motion detection. The motion output is active and the presence output is fixed.	The sensor's monitoring input is not correctly supplied.	Check the wiring and the power supply (voltage and polarity) of the monitoring input. Disable the monitoring of the sensor if the door controller cannot monitor the sensor.
	Door keeps recycling open-closed.	The sensor is disturbed by the door motion because it sees the door or feels vibrations.	Green LED signals motion detection: Increase radar angle and radar immunity. Red LED signals infrared detection: Increase IR curtains angle (turning the screw counterclockwise).
All	In airlock vestibules, the sensor sees the opposite door.		Increase radar immunity.
All	In metallic environments, the sensor detects objects outside of its detection field.		Increase radar immunity.
	Unwanted presence detection	1. The sensor is not placed properly.	Fasten the sensor firmly.
	The second day of the second	 The front face is not properly fixed. 	Check whether the front face prism is placed into the guiding grooves and not in the sensor cover.
	The sensor does not respond to the remote control.	Batteries in the remote control are not installed properly or dead.	Verify whether the batteries are installed correctly or replace batteries.
		2. Remote control badly pointed.	Point the remote control towards the sensor.
	The sensor does not unlock when access code is entered.	Wrong code being entered.	Cut and restore power supply. No code is required to unlock during the first minute after powering. Press on "unlock", then on "lock" and introduce a new access code.

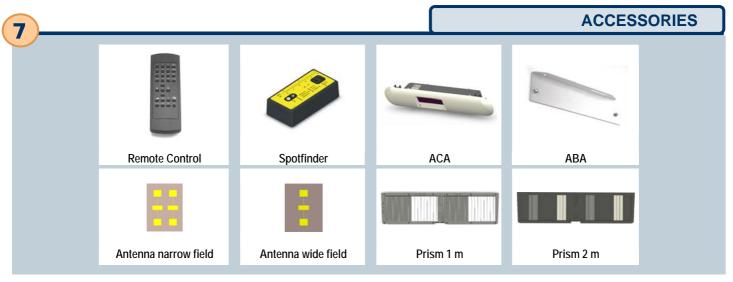
TECHNICAL SPECIFICATIONS

Supply voltage	: 12V (- 5%) to 24V (+10%) AC/DC
Mains frequency	: 50 - 60 Hz
Power consumption	: < 3 W
Mounting height	: 1.8m to 4m
Sensitivity of the monitoring input	: 10-30V DC
Delay of the output activation after stimulation	: < 1ms
3-coloured LED	: RED (presence detection) - GREEN (motion detection) - ORANGE (signal saturation, error)
Temperature range	: -25°C to +55°C
Degree of protection	: IP54
Norm conformity	: R&TTE 1999/5/EC; EMC 89/336/EEC
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	: 5m

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	MOTION SENSOR	PRESENCE SENSOR	
Detection mode	Motion	Presence	
	Minimum detection speed: 5 cm/s (measured in sensor axis)	Typical response time: < 128 ms (max. 500 ms)	
Technology	Microwave and microprocessorTransmitter frequency:24.175 GHzTransmitter radiated power:< 20 dBm EIRPTransmitter power density:< 5 mW/cm²	Focused active infrared and self-monitored microprocessorSpot diameter (standard):0.1m maxNumber of spots:24 or 12 spots by curtainNumber of curtains:2	
Detection field	Width Depth Wide 4 m 2 m Narrow 2 m 2,5 m	Width Depth Wide 2 m 0,35 m Narrow 1 m 0,35 m	
Angle	From 15° to 50° in elevation (adjustable)	From - 4° to + 4° (adjustable)	
Output specification	Relay (free of potential contact): Max. contact voltage: 42V AC/ DC Max. contact current: 1A (resistive) Max. switching power: 30W (DC) / 60VA (AC)	Transistor (optocoupled transistor) Max. output current: 100 mA Max. switching power: 42 V DC	
Output holdtime	0.5s to 9s (adjustable)	0,1/1s (fixed)	
Response time of monitoring request		< 30 ms	

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





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