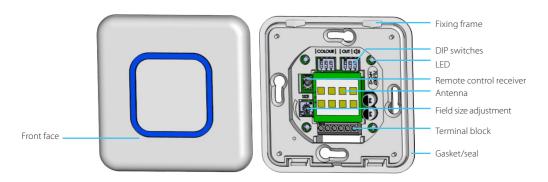
MAGIC SWITCH CHROMA (ADV)



CONTACTLESS KNOWING ACT SENSOR FOR AUTOMATIC DOORS

DESCRIPTION

RECESSED INSTALLATION



SURFACE INSTALLATION



FEATURES



Antimicrobial front face



Multicoloured LED-feedback



IP65



Toggle-function



Audible feedback

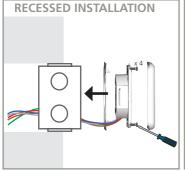


Remote control adjustments



Application-focused settings through external signal input

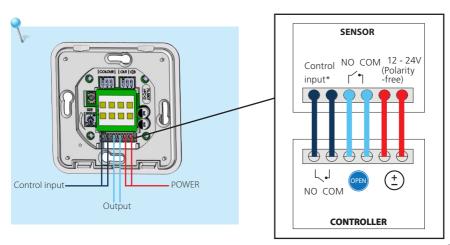
INSTALLATION





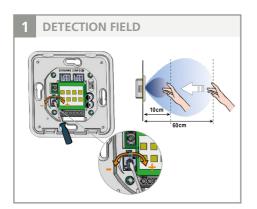


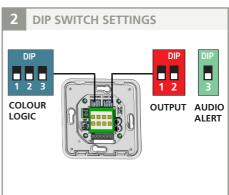
WIRING



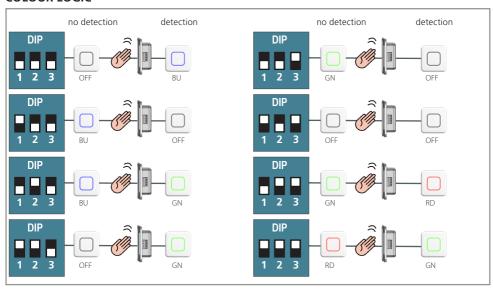
* See page 3.

ADJUSTMENTS

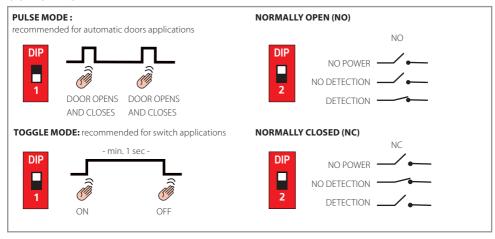




COLOUR LOGIC



OUTPUT MODE



CONTROL INPUT

Connect the input to an external signal to control the switch and make the LED red.

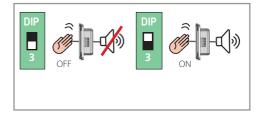


Input signal must be a dry contact (no voltage).



AUDIO ALERT

Detection activities an audio alert.



For restroom application, see application note for more details.

HOW TO USE THE REMOTE CONTROL







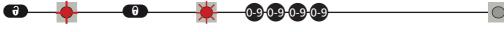
After unlocking, the red LED flashes and the sensor can be adjusted by remote control.

If the red LED flashes quickly after unlocking, you need to enter an access code from 1 to 4 digits. If you do not know the access code, **cut and restore** the **power supply**. During 1 minute, you can access the sensor without introducing any access code.

To end an adjustment session, always lock the sensor.

SAVING AN ACCESS CODE

The access code is recommended for sensors installed close to each other.



DELETING AN ACCESS CODE



Enter the existing code



RESTORING TO FACTORY VALUES



FIELD SIZE

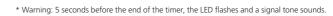
FIELD SIZE

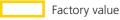
In order to change these settings by remote control, adjust the potentiometer to minimum.

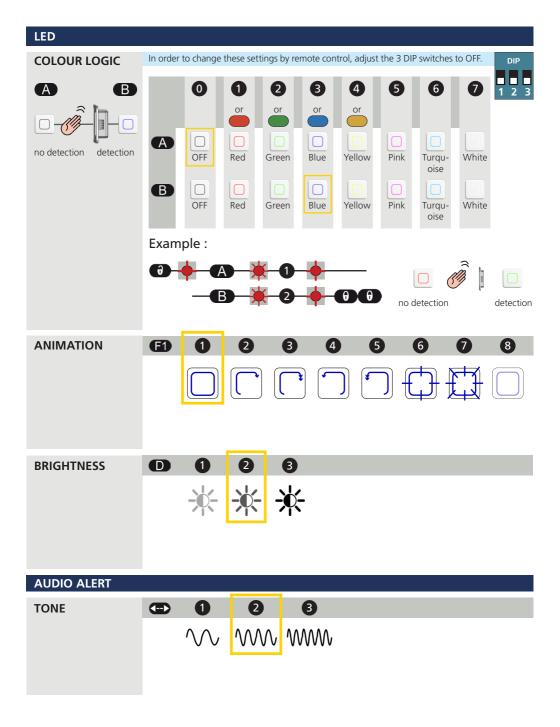


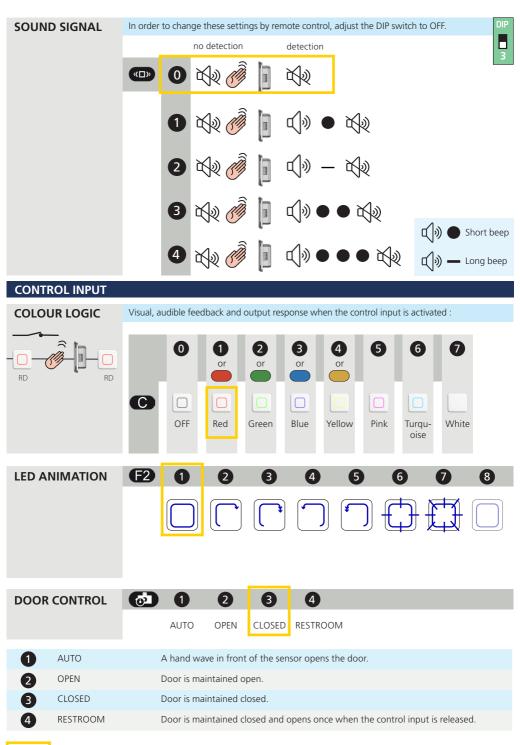
OUTPUT DIP In order to change these settings by remote control, adjust the 2 DIP switches to OFF. **OUTPUT MODE** 0 3 Pulse NO Pulse NC Toggle Pulse Toggle Toggle NO NC Frequency Frequency **HOLD TIME** 0 5

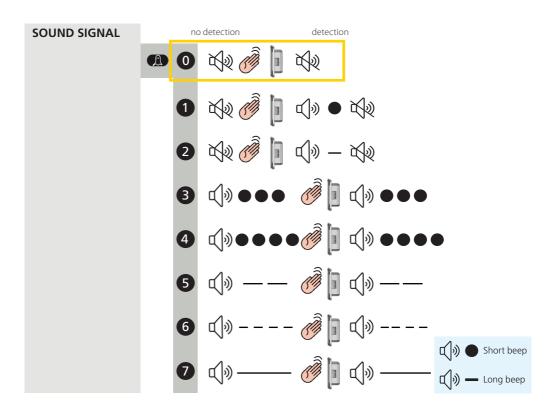












Door remains open after detection/activation.

TROUBLE SHOOTING				
Door does not open even when moving the hand towards the sensor.	Bad or no power supply.	Check power supply. If LED switches on or flashes, power connection is OK.		
	Detection range is too short.	Adjust the detection range.		
		Remove any metal plates in front of the sensor.		
	Incorrect wiring / connection.	Check wiring and relay connection.		
Sensor stays in detection.	The environment influences the good functioning of the sensor.	Remove any moving object around the sensor.		
	Incorrect wiring / connection.	Check wiring and relay connection.		

Switch the output mode to PULSE.

Check wiring and relay connection

Wrong output mode.

Incorrect wiring / connection

	incorrect wiring / connectio	m.	Check wiring and relay connection.	
TECHNICAL SPECIFIC	CATIONS			
Technology		Microwave motion sensor		
Radiated frequency		24.150 G	Hz	
Radiated power		< 20 dBm EIRP		
Radiated power density		< 5mW/c	m²	
Detection range (hand)		+/- 10 to 60 cm (adjustable) * if movement towards sensor at 90°		
Detection mode		Motion (bidirectional)		
Speed of target		Min. 5Hz or +/- 3cm/s, Max. 200Hz or +/- 1.2m/s		
Supply voltage The Equipment must be powered by an approved Class II SELV limited power source. This requirement consists of the need for double insulation between primary voltages and the Equipment supply. The supply current should be limited to 1.5A.		12 - 24V AC +/- 10% 12 - 24V DC +30% / - 10%		
Mains frequency		50 - 60 Hz		
Power consumption		< 1.5W		
Output Max. voltage Max. current		Electronic 42V AC/I 100 mA	relay (galvanic isolation - polarity free) OC	
Output hold time		0.5s (in PULSE mode)		
Temperature range		-20°C to	+55°C	
Degree of protection		IP65 with	front face and gasket mounted on a smooth surface	
Material			PC e is treated with biomaster silver biocide tested to ISO 111. Please use biocides responsibly.	

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80*80*21mm

Stranded cable up to 16 AWG - 1.5mm²



Dimension

Recommended wiring cable

BEA hereby declares that the Magic Switch is in compliance with European Directives 2014/53/EU (RED) and 2011/65/EU (ROHS). The full text of the EU declaration of conformity is available on our website.

This product should be disposed of separately from unsorted municipal waste.

^{*} An adjustment of the detection field below 10 cm is possible but the detection capability of the sensor can not be guaranteed. **Technical specifications are subject to changes**