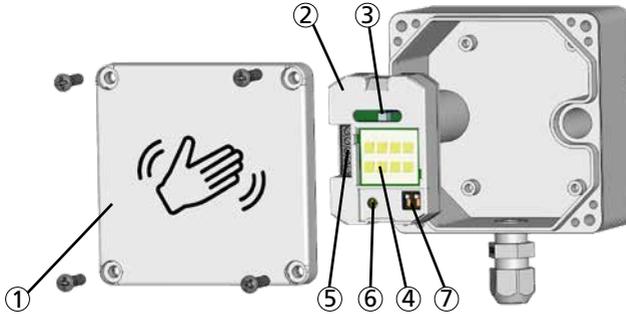


MAGIC SWITCH INDUS

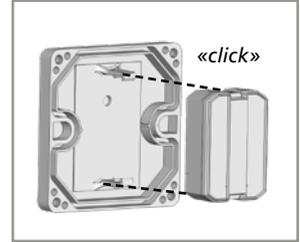
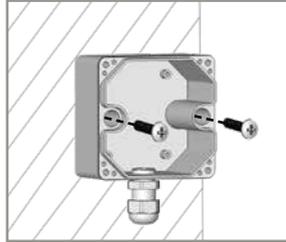
CONTACTLESS KNOWING ACT SENSOR
FOR AUTOMATIC DOORS

DESCRIPTION



1. Front face
2. Radar module
3. LED
4. Antenna
5. Terminal block
6. Field size adjustment
7. Dip switches

INSTALLATION



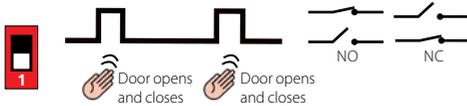
ADJUSTMENTS

1 DETECTION FIELD

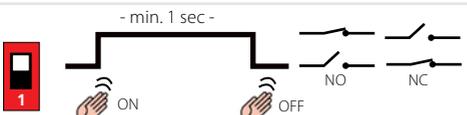


2 DIP SWITCH SETTINGS

DIP 1 : OUTPUT MODE

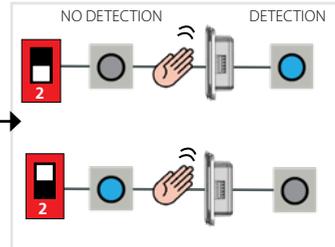


PULSE MODE : Recommended for automatic doors applications.



TOGGLE MODE : Recommended for switch applications.

DIP 2 : COLOUR LOGIC



TROUBLESHOOTING

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.
Door remains open after detection/activation.	Wrong output mode.	Switch the output mode to PULSE.
	Incorrect wiring / connection.	Check wiring and relay connection.

TECHNICAL SPECIFICATIONS

Technology	Microwave motion sensor
Radiated frequency	24.150 GHz
Radiated power	< 20 dBm EIRP
Radiated power density	< 5mW/cm ²
Detection range (hand)	+/- 10 to 60 cm if movement towards sensor at 90° (adjustable)*
Detection mode	Motion (bidirectional)
Speed of target to create detection	Min. 5Hz or +/- 3cm/s, Max. 200Hz or +/- 1.2m/s
Supply voltage**	12 - 24V AC +/- 10% (50 - 60 Hz). 12 - 24V DC +30% / - 10%.
Power consumption	< 1.5W
Output** Max. voltage Max. current Max. switching power	Relay with switch-over contact (voltage free) 60V DC / 30 VAC 1A (resistive) 15W
Output hold time	0.5s (in PULSE mode)
Temperature range	-20°C to +55°C
Degree of protection	IP65
Material	PC
Wiring cable	Stranded cable up to 16 AWG - 1.5mm ²

* An adjustment of the detection field below 10 cm is possible but the detection capability of the sensor can not be guaranteed.

** External electrical sources must be within specified voltages, max 15W and ensure double insulation from primary voltages.

Technical specifications are subject to changes.

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BEA hereby declares that the Magic Switch Indus 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.

