



## Magic Switch

### Contactless Intentional Sensor For Automatic Doors

#### Description

The MAGIC SWITCH is an intentional contactless microwave sensor.

Its main use are hygienic applications where the lack of contact with the sensor is required and also comfort reasons in hospital environments, hotels, restaurants, in the retail and pharmaceutical industries and in logistics.

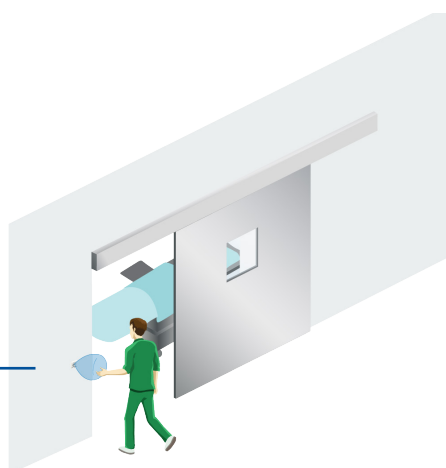
#### Applications

- Retail, clean rooms, operating theatres, logistics, hotels and restaurants.
- Low energy doors for people with disabilities.

#### Features

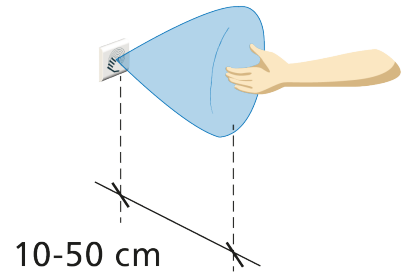
- Concealed installation and homogeneous detection thanks to the radar technology.
- Detection area adjustable between 10 and 50 cm.
- Possibility of keeping the door open with the switch mode.
- Easy opening solution for low energy doors used by people with disabilities.

 Magic Switch



## Ease of Installation

- Adjustment of detection area with potentiometer.
- Switch or pulse mode with DIP-switches.
- Visible housing in option.



10-50 cm

Detection Area of  
10cm - 50cm

Technical Specification	
<b>Technology</b>	Microwave motion sensor
<b>Radiated frequency</b>	24.150 GHz
<b>Radiated power density</b>	< 5 mW/cm <sup>2</sup>
<b>Detection range</b>	+/- 10 to 50 cm if movement towards sensor at 90° (adjustable)
<b>Detection mode</b>	Motion (bidirectional)
<b>Speed of target to create detection</b>	Min. 5Hz or +/- 3 cm/s, Max. 200 Hz or +/- 1.2 m/s
<b>Supply voltage</b>	12V - 24V AC ± 10 % 12V - 30V DC -5%/+10% (to be operated from SELV compatible power supplies only)
<b>Mains frequency</b>	50 - 60 Hz
<b>Power consumption</b>	< 1.2 W
<b>Output</b>	Relay with switch-over contact (free of potential)
<b>Max. voltage</b>	48 V AC - 60 V DC
<b>Max. current</b>	1A (resistive)
<b>Max. switching power</b>	30 W (DC) / 48 VA (AC)
<b>Output hold time</b>	0.5 s (in PULSE mode)
<b>Temperature range</b>	-20°C - +55°C
<b>Degree of protection</b>	IP 30 with cable connected IP40 flush-mounted without front face IP52 flush-mounted with front face and silicone seal mounted in surface mount box
<b>Material</b>	ABS/PC
<b>Colour</b>	White
<b>Recommended wiring cable</b>	Stranded cable up to 16 AWG - 1.5 mm <sup>2</sup>
<b>Norm conformity</b>	R&TTE: 1999/5/EC EMC: 2004/108/EC