Magic Switch

Contactless Intentional Sensor For Automatic Doors

Description

The MAGIC SWITCH is an intentional contactless microwave sensor.

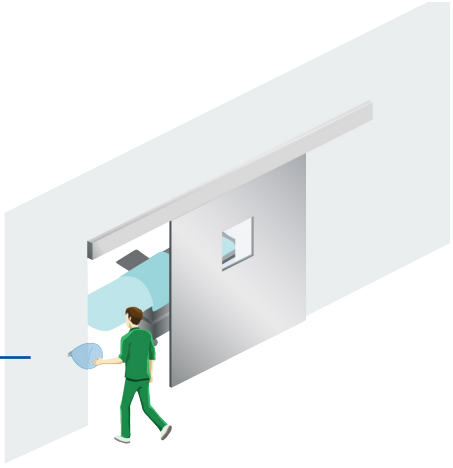
Its main use are hygienic applications where the lack of contact with the sensor is required and also comfort reasons in hospital environments, hotels, restaurants, in the retail and pharmaceutical industries and in logistics.

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.



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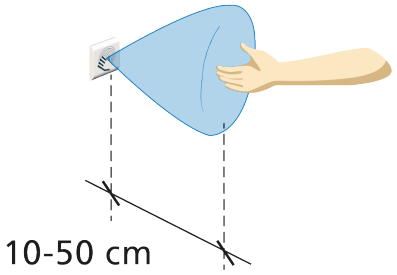
Ease of Installation

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



Detection Area of
10cm - 50cm

Technical Specification	
Technology	Microwave motion sensor
Radiated frequency	24.150 GHz
Radiated power density	< 5 mW/cm²
Detection range	+/- 10 to 50 cm if movement towards sensor at 90° (adjustable)
Detection mode	Motion (bidirectional)
Speed of target to create detection	Min. 5Hz or +/- 3 cm/s, Max. 200 Hz or +/- 1.2 m/s
Supply voltage	12V - 24V AC ± 10 % 12V - 30V DC -5%/+10% (to be operated from SELV compatible power supplies only)
Mains frequency	50 - 60 Hz
Power consumption	< 1.2 W
Output **Max. voltage** **Max. current** **Max. switching power**	Relay with switch-over contact (free of potential) 48 V AC - 60 V DC 1A (resistive) 30 W (DC) / 48 VA (AC)
Output hold time	0.5 s (in PULSE mode)
Temperature range	-20°C - +55°C
Degree of protection	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
Material	ABS/PC
Colour	White
Recommended wiring cable	Stranded cable up to 16 AWG - 1.5 mm²
Norm conformity	R&TTE: 1999/5/EC EMC: 2004/108/EC

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