

# MAGIC SWITCH

INTENTIONAL OPENING SENSOR  
FOR INDUSTRIAL DOORS

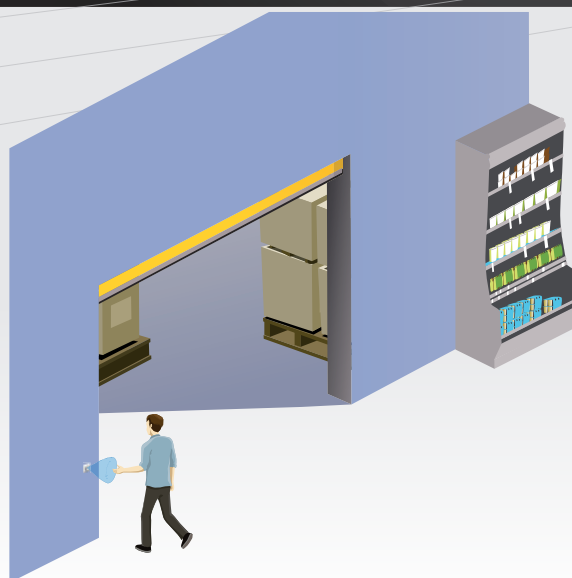
Commercial sheet



## THE INVISIBLE TOUCH

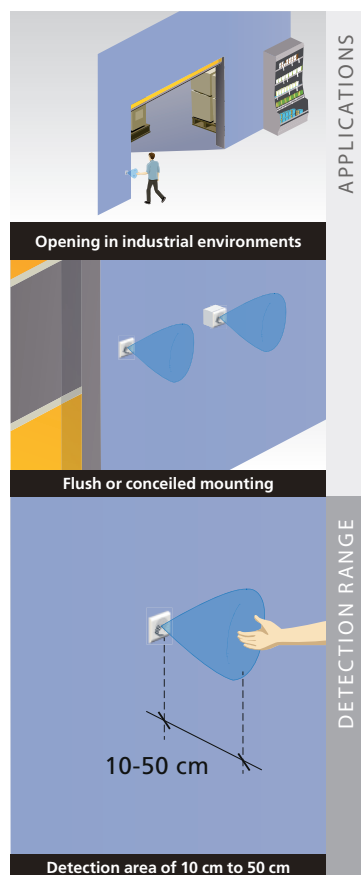
### DESCRIPTION

The **MAGIC SWITCH** is an alternative contactless solution to push-buttons, pull-cords and other manual activators. It embeds a radar reacting to every intentional motion approaching and allowing to activate the door without any physical contact with the sensor. In addition to the comfort of use, the MAGIC SWITCH offers a hygienic opening solution for the retail, pharmaceutical, chemical and healthcare sectors (operating theatres)



### PERFORMANCE

- Microwave module with an adjustable detection area from 10 to 50 cm.
- Ideal hygienic solution for the retail, pharmaceutical, chemical and healthcare sectors.
- Efficient alternative to push-buttons and other manual solutions.
- The microwave technology allows to hide the sensor behind every type of non metallic material for aesthetics and protection against detergent products.



## APPLICATIONS

- Retail, pharmaceutical, chemical and healthcare sectors (operating theatres).

## DESIGNED FOR INDUSTRIAL ENVIRONMENTS

- Fashionable looks.
- Degree of protection: IP52.

## EASE OF INSTALLATION

- Mounting behind non metallic surface possible.
- Flush or concealed mounting.

## TECHNICAL SPECIFICATIONS

<b>Technology</b>	Microwave motion sensor
Radiated frequency	24.150 GHz
Transmitter radiated power	< 20 dBm EIRP
Radiated power density	< 5 mW/cm <sup>2</sup>
<b>Detection mode</b>	Motion (bidirectional)
<b>Detection range (hand)</b>	+/- 10 to 50 cm if movement towards sensor at 90° (adjustable)*
<b>Output</b>	Relay with switch-over contact (free of potential)
Max. voltage	48V AC - 60V DC
Max. current	1A (resistive)
Max. switching power	30W (DC) / 48 VA (AC)
<b>Output hold time</b>	0.5 s (in PULSE mode)
<b>Min. detection speed</b>	Min. 5 Hz or +/- 3 cm/s, max. 200 Hz or +/- 1,2 m/s
<b>Mains frequency</b>	50 - 60 Hz
<b>Supply voltage</b>	12V to 24V AC +/- 10% 12V to 24V DC +30% / - 10%
<b>Power consumption</b>	< 1.2 W
<b>Dimensions</b>	85 mm (L) x 85 mm (H) x 45 mm (W)
<b>Material</b>	ABS/Polycarbonate
<b>Colour</b>	White
<b>Cable lenght</b>	Stranded cable up to 16 AWG - 1.5 mm <sup>2</sup>
<b>Temperature range</b>	- 20°C - + 55°C
<b>Degree of protection</b>	IP30 with cable connected IP40 flush-mounted without front face IP52 flush-mounted with front face and silicone seal mounted in surface mount box
<b>Norm conformity</b>	R&TTE: 1999/5/EC EMC: 2004/108/EC

*Specifications are subject to changes without prior notice*

*\* The adjustment of the detection field 10 cm is possible, but the detection capability of the sensor can not be guaranteed !*



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