

# MAGIC SWITCH

## CONTACTLESS INTENTIONAL SENSOR FOR AUTOMATIC DOORS

Commercial sheet



### INTENTIONAL HYGIENIC OPENING

#### DESCRIPTION

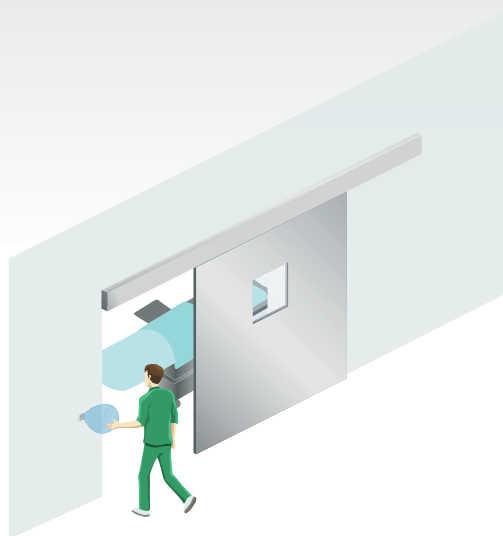
The **MAGIC SWITCH** is an intentional contactless microwave sensor.

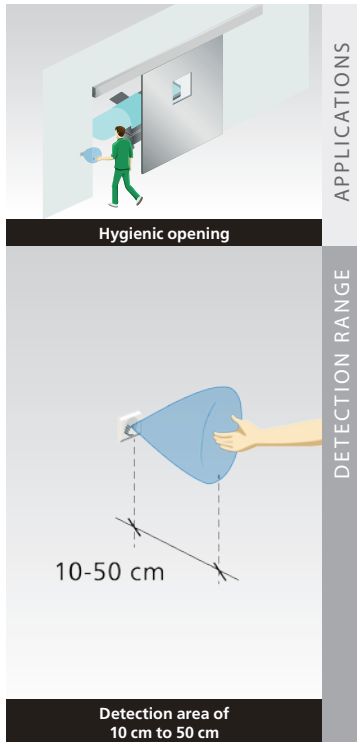
Its main use are hygienic applications where the lack of contact with the sensor is required and also comfort reasons in hospital environments, hotels, restaurants, in the retail and pharmaceutical industries and in logistics.

#### 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 ■





## APPLICATIONS

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

## EASE OF INSTALLATION

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

## TECHNICAL SPECIFICATIONS

<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)
Max. voltage	48 V AC - 60 V DC
Max. current	1A (resistive)
Max. switching power	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

Specifications are subject to change without prior notice.

**DISCLAIMER** This document as well as all other enclosed documents (quotation / specification / other) are provided «as is» without warranties of any kind, either expressed or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. / Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will BEA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information from this document or the products to which the information refers. / BEA has the right without liability to change descriptions and specifications at any time. / Prices, shipping and availability are subject to change without prior notice.

