

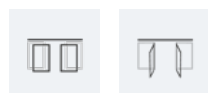


# MAGIC SWITCH CHROMA

Touchless opening sensor  
for automatic doors



## APPLICATIONS



## TECHNOLOGY

Radar

## DESCRIPTION

The **MAGIC SWITCH CHROMA** is a touchless opening sensor for automatic doors. One hand motion in front of the sensor opens the door, completely contactless. Therefore, it is the perfect knowing act sensor for applications where hygiene is essential: hospitals, clean rooms, hotels & restaurants, pharmaceutical industries, airports, logistics and retail.

## VIDEO



Discover the product video on our  
youtube channel **BEA Sensors Europe**  
<https://bit.ly/3qo96YE>



### Touchless & hygienic

Opening solution reducing touchpoints in public spaces. A built-in silicone seal makes the product completely hermetic and the antimicrobial front face limits the spread of germs, bacteria and fungi.



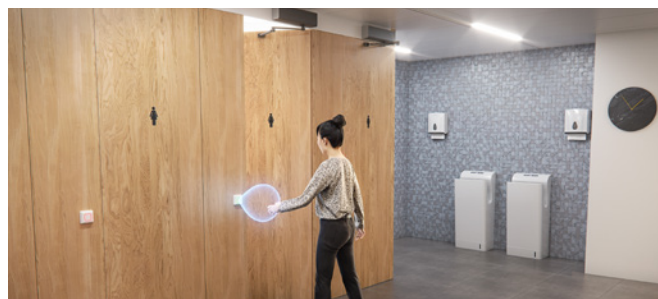
### Multicolour LED & audio signal

With many possible configurations of LED colour, brightness and animation, the **MAGIC SWITCH CHROMA** offers great user experience. In addition, the audio feedback adds comfort for the visually impaired.



### Designed for every environment

Thanks to a discrete design, a high degree of protection (IP65) and flush or surface mounting possibilities, the **MAGIC SWITCH CHROMA** blends into any environment and is easy to install and keep clean.



### Variety of applications

Touchless opening of any automatic door, comfort for people with disabilities, foot switch and many more. Moreover, the **MAGIC SWITCH CHROMA ADV** is equipped with an external signal input which allows for even more applications like door lock functions in public restrooms.

## VERSIONS

### MAGIC SWITCH



- Blue LED
- IP54
- Toggle function

### MAGIC SWITCH CHROMA STD



- Multicolour LED
- IP65
- Toggle function
- Antimicrobial

### MAGIC SWITCH CHROMA ADV



- Multicolour LED
- IP65
- Toggle function
- Antimicrobial
- Audio signal
- Remote control settings
- External signal input

## MOUNTING OPTIONS

### MAGIC SWITCH



**Recessed mounting**  
WHITE 80X80 CM

### MAGIC SWITCH CHROMA



**Recessed mounting**  
WHITE • BLACK\* 80X80 CM



**Surface mounting**  
WHITE • BLACK\* 80X80 CM



**Recessed mounting**  
WHITE • BLACK 86X86 CM

\*Only for ADV versions

## MIX&MATCH

Discover the complete product range (with references)



## CONFIGURATION

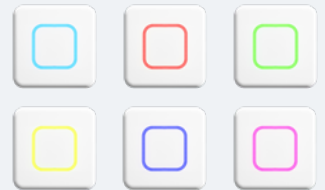
### MAGIC SWITCH Basic options



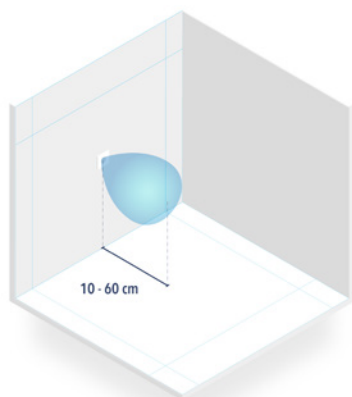
### MAGIC SWITCH CHROMA Pictogram & color options



### Multicolour LED options (by remote control)



## TECHNICAL SPECIFICATIONS



<b>Technology</b>	Microwave motion sensor
<b>Radiated frequency</b>	24.150 GHz
<b>Radiated power</b>	< 20 dBm EIRP
<b>Radiated power density</b>	< 5mW/cm <sup>2</sup>
<b>Detection field size</b>	+/- 10 to 60 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 +/- 3cm/s, Max. 200Hz or +/- 1.2m/s
<b>Supply voltage</b>	12 - 24V AC +/- 10% (50 - 60 Hz) 12 - 24V DC +30% / - 10%
<b>Power consumption</b>	< 1.5W
<b>Output</b>	Electronic relay (galvanic isolation - polarity free)
Max. voltage:	42V DC / 30V AC
Max. current:	100 mA
Max. switching power:	15 W
<b>Output holdtime</b>	0.5s (in PULSE mode)
<b>Temperature range</b>	-20°C to +55°C
<b>Degree of protection</b>	IP65 (if front face and seal mounted on a smooth surface)
<b>Material</b>	PMMA / PC
	The front face is treated with biomaster silver biocide tested to ISO 22196:2011. Please use biocides responsibly
<b>Dimensions</b>	80 x 80 x 21 mm
<b>Wiring cable</b>	Stranded cable up to 16 AWG - 1.5mm <sup>2</sup>

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