

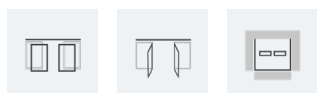


# MAGIC SWITCH CHROMA

Touchless opening sensor  
for automatic doors



## APPLICATIONS



## TECHNOLOGY

Microwave

## 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, restrooms, pharmaceutical industries, airports, logistics and retail.

## VIDEO



Discover the product video on our  
youtube channel **BEA Sensors Europe**  
<https://bit.ly/2PpiFmG>



### 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

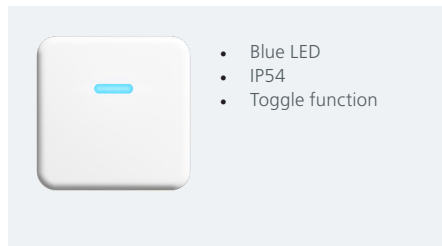
Thanks to a discrete design, a high degree of protection (IP65) and flush or surface mounting possibilities, the **MAGIC SWITCH CHROMA** blends into any environment and is easy to install and keep clean.



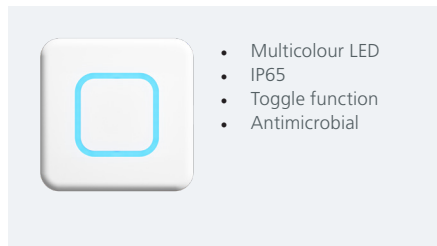
### Variety of applications

Touchless opening of any automatic door, comfort for people with disabilities, light switch in toggle mode 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.

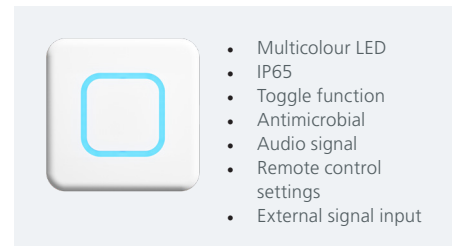
## VERSIONS



MAGIC SWITCH

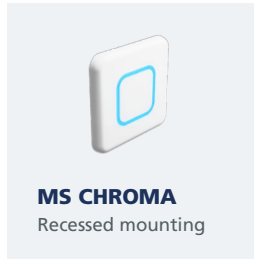
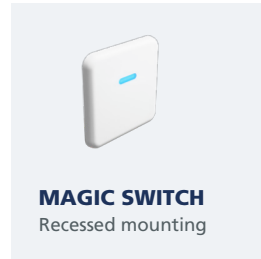


MAGIC SWITCH CHROMA STD



MAGIC SWITCH CHROMA ADV

## MOUNTING OPTIONS & ACCESSORY



## INSTALLATION

- Recessed or surface installation.
- Potentiometer to adjust detection field size.
- DIP-switches for output mode, colour logic and audio alert.
- Fine-tuning via remote control (ADV only).

## CONFIGURATION

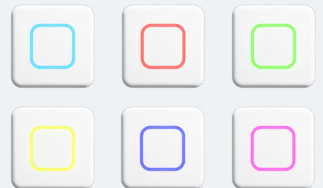
### Basic options



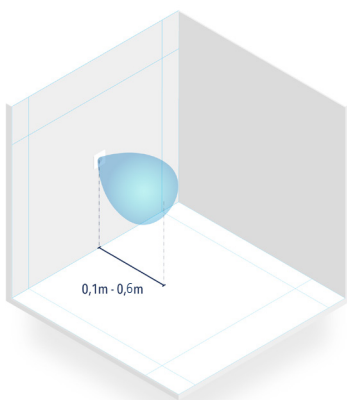
### Pictogram options



### Multicolour LED options



## 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 (adjustable) if movement towards sensor at 90°
<b>Detection mode</b>	Motion (bidirectional)
<b>Speed of target</b>	Min. 5Hz or +/- 3cm/s, Max. 200Hz or +/- 1.2m/s
<b>Supply voltage</b>	12 - 24V AC +/- 10% 12 - 24V DC +30% / - 10%
<b>Mains frequency</b>	50 - 60 Hz
<b>Power consumption</b>	< 1.5W
<b>Output</b>	Electronic relay (galvanic isolation - polarity free) Max voltage: 42V AC/DC Max current: 100 mA
<b>Output holdtime</b>	0.5s (in PULSE mode)
<b>Temperature range</b>	-20°C to +55°C
<b>Degree of protection</b>	MAGIC SWITCH: IP54 MAGIC SWITCH CHROMA: IP65 (if front face and seal mounted on a smooth surface)
<b>Material</b>	PMMA / PC MAGIC SWITCH CHROMA front face is treated with biomaster silver biocide tested to ISO 22196:2011. Please use biocides responsibly
<b>Recommended wiring cable</b>	Stranded cable up to 16 AWG - 1.5mm <sup>2</sup>

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