



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

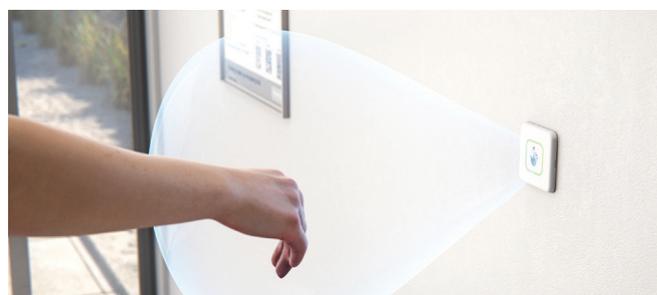


Discover the product video on our youtube channel **BEA Sensors Europe**
<https://bit.ly/3qo96YE>



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.

PRODUCT RANGE



MAGIC SWITCH CHROMA - RECESSED

STD	02.0887 00000-00xx	02.0887 00000-01xx	02.0887 00000-02xx	02.0887 00000-03xx	02.0887 00000-0402
ADV	02.0892 00000-00xx	02.0892 00000-01xx	02.0892 00000-02xx	02.0892 00000-03xx	02.0892 00000-0402
FRONT FACE	02.0897 00000-0010	02.0897 00000-0007	02.0897 00000-0002	02.0897 00000-0004	02.0897 00000-0014



MAGIC SWITCH CHROMA - SURFACE

STD	02.0888 00000-00xx	02.0888 00000-01xx	02.0888 00000-02xx	02.0888 00000-03xx	02.0888 00000-0402
ADV	02.0893 00000-00xx	02.0893 00000-01xx	02.0893 00000-02xx	02.0893 00000-03xx	02.0893 00000-0402
FRONT FACE	02.0897 00000-0011	02.0897 00000-0008	02.0897 00000-0003	02.0897 00000-0005	02.0897 00000-0015

ADV: including audio signal, external input & extra settings / xx = depending on language selection for user's guide

ALSO AVAILABLE



MAGIC SWITCH



02.0886 *
00000-00xx



02.0886
00000-01xx



FRONT FACE
02.0897
00000-0009



FRONT FACE
02.0897
00000-0006



SURFACE MOUNT
02.0897
00000-0001



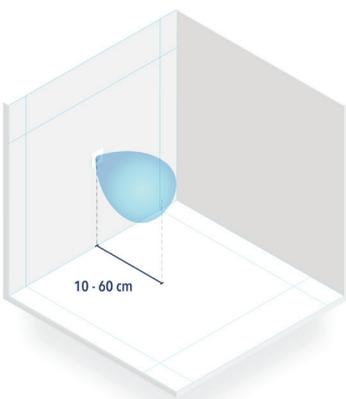
GIRA ADAPTER
02.0897
00000-0013



STICKERS
02.0897
00000-0012

* including 2 stickers

TECHNICAL SPECIFICATIONS



Technology	Microwave motion sensor
Radiated frequency	24.150 GHz
Radiated power	< 20 dBm EIRP
Radiated power density	< 5mW/cm ²
Detection field size	+/- 10 to 60 cm if movement towards sensor at 90° (adjustable)
Detection mode	Motion (bidirectional)
Speed of target to create detection	Min. 5Hz or +/- 3cm/s, Max. 200Hz or +/- 1.2m/s
Supply voltage	12 - 24V AC +/- 10% (50 - 60 Hz) 12 - 24V DC +30% / - 10%
Power consumption	< 1.5W
Output	Electronic relay (galvanic isolation - polarity free)
Max. voltage:	42V DC / 30V AC
Max. current:	100 mA
Max. switching power:	15 W
Output holdtime	0.5s (in PULSE mode)
Temperature range	-20°C to +55°C
Degree of protection	IP65 (if front face and seal mounted on a smooth surface)
Material	PMMA / PC The front face is treated with biomaster silver biocide tested to ISO 22196:2011. Please use biocides responsibly
Dimensions	80 x 80 x 21 mm
Wiring cable	Stranded cable up to 16 AWG - 1.5mm ²

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