



MS42 FAMILY

STAINLESS STEEL, TOUCHLESS ACTUATOR
WITH STATUS INDICATION



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TECHNOLOGY



CERTIFICATIONS



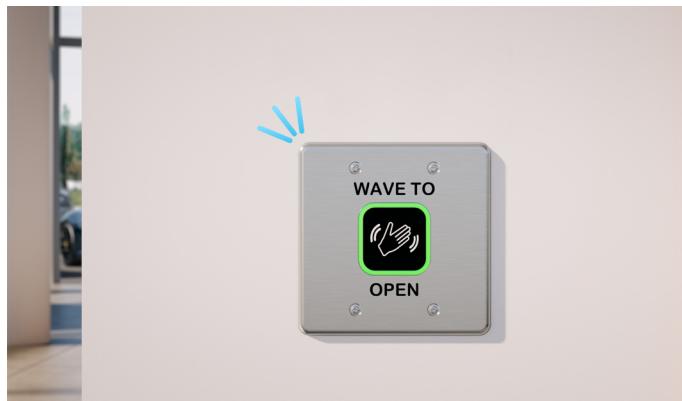
DESCRIPTION

BEA's **MAGIC SWITCH MS42** provides germ-free door activation with built-in status indication. This all-in-one actuator has a variety of built-in LED illuminations and audible signaling, ideal for controlled access applications and building management systems.

MS42 enables touchless door operation with wave-to-open and wave-to-lock functionalities, reducing touchpoints inside and outside of the environment.

Using microwave technology, **MS42** produces a detection field with a reliable and consistent transmission in interior and exterior applications, capable of detecting a moving hand, cart, or wheelchair. Plus, an adjustable hold time offers flexibility to meet ANSI standards.

The durable design suits sterile, wash-down applications such as surgical, wash-down, clean room, and pharmaceutical environments.



Integrated Status Indication

Dry contact input provides direct connection to access control systems, enabling remote activation, deactivation, and real-time LED status updates

High-Visibility

Animated or static illuminated ring allows for high-visibility in low-light areas

Activation Alerts

Adjustable audible alert setting, including silent-mode required for hospitals and other noise-sensitive environments

Adjustable Detection Zone

Adjustable sensing zone from 4 to 24 inches (timed or toggle)

Faster Installation and Adjustments

Designed with a remote control receiver allowing for easier setup and post-installation adjustments

Ideal For Harsh Environments

IP55-rated enclosure capable of use in industrial and extreme washdown environments

APPLICATIONS



Healthcare Environments



Clean Rooms and Sterile Facilities



Controlled Access

TECHNICAL SPECIFICATIONS

TECHNOLOGY / PERFORMANCE

Technology	microwave motion sensor
Detection mode	motion (bidirectional)
Detection range	4 – 24" (adjustable)
Product temperature range	-4 – 131 °F (-20 – 55 °C)
Output hold time	0.5 sec (in PULSE mode)
Speed of target to create detection	5 Hz (min) or ± 1 in/s 200 Hz (max) or ± 3 ft/s

ELECTRICAL

Supply voltage*	12 – 24 VAC $\pm 10\%$ 12 – 24 VDC $\pm 30\%$ / -10%
Supply frequency	50 – 60 Hz
Radiated frequency	24.150 GHz
Radiated power	< 20 dBm EIRP
Radiated power density	< 5 mW/cm ²
Power consumption	< 1.5W
Output*	Electronic relay (galvanic isolation - polarity free) max. voltage max. current max. switching power
Cable	Stranded cable up to 16 AWG - 1.5mm ²

PHYSICAL

IP rating	IP55 (apply silicone to sensor housing base to achieve IP65)
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COMPLIANCE

Certification	Electromagnetic compatibility (EMC) according to 2004/108/EC FCC: G9B-210161 IC: 4680A-210161
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* External electrical sources must be within specified voltages (max 15 W) and ensure double insulation from primary voltages.

PRODUCT SERIES



10MS42-SO
Stainless steel, single gang -
"WAVE TO OPEN" text + hand
logo



10MS42-SL
Stainless steel, single gang -
"WAVE TO LOCK" text + hand
logo



10MS42-RO
Stainless steel, round -
"WAVE TO OPEN" text + hand
logo



10MS42-DO
Stainless steel, double gang -
"WAVE TO OPEN" text + hand
logo



10MS42-DL
Stainless steel, double gang -
"WAVE TO LOCK" text + hand
logo

MOUNTING OPTIONS



10MSBOXSGSM
Box, MAGIC SWITCH,
single gang, surface-mount



10MSBOXDGSMS
Box, MAGIC SWITCH,
double gang, surface-mount



10MSBOXRNDSM
Box, MAGIC SWITCH,
6" round, surface-mount



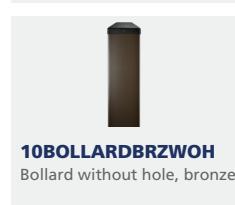
10BOLLARDBRZ
Bollard with hole, bronze



10BOLLARDSLV
Bollard with hole, silver



10BOLLARDBLK
Bollard with hole, black



10BOLLARDBRZWOH
Bollard without hole, bronze



10BOLLARDSLVWOH
Bollard without hole, silver



10BOLLARDBLKWOH
Bollard without hole, black

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