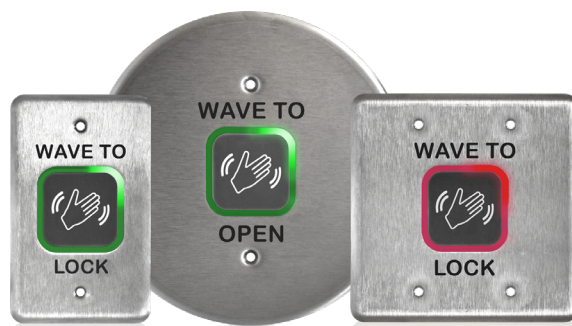




# MS42 FAMILY

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

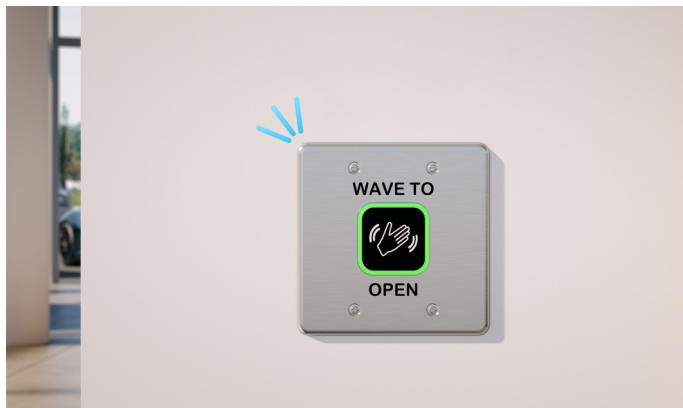
Adjustable sensing zone from 4 to 24 inches (timed or toggle)

### 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



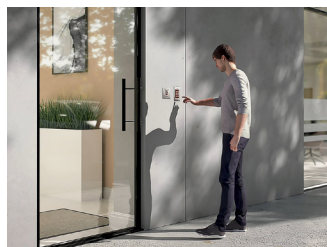
## APPLICATIONS



Healthcare Environments



Clean Rooms and Sterile Facilities



Controlled Access

## TECHNICAL SPECIFICATIONS

### TECHNOLOGY / PERFORMANCE

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

### ELECTRICAL

<b>Supply voltage*</b>	12 – 24 VAC $\pm 10\%$ 12 – 24 VDC $+30\%$ / $-10\%$
<b>Supply frequency</b>	50 – 60 Hz
<b>Radiated frequency</b>	24.150 GHz
<b>Radiated power</b>	< 20 dBm EIRP
<b>Radiated power density</b>	< 5 mW/cm <sup>2</sup>
<b>Power consumption</b>	< 1.5W
<b>Output*</b>	Electronic relay (galvanic isolation - polarity free)
max. voltage	42 VDC / 30 VAC
max. current	100 mA
max. switching power	15 W
<b>Cable</b>	Stranded cable up to 16 AWG - 1.5mm <sup>2</sup>

### PHYSICAL

<b>IP rating</b>	IP55 (apply silicone to sensor housing base to achieve IP65)
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### COMPLIANCE

<b>Certification</b>	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



### 10MSBOXDGSM

Box, MAGIC SWITCH,  
double gang, surface-mount



### 10MSBOXRND5M

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



### 10BOLLARDBRZ

Bollard with hole, bronze



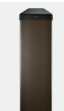
### 10BOLLARDSLV

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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