# MS41

STAINLESS STEEL, TOUCHLESS ACTUATOR WITH ADJUSTABLE RANGE AND RELAY HOLD TIME

DRAFT

## TECHNOLOGY

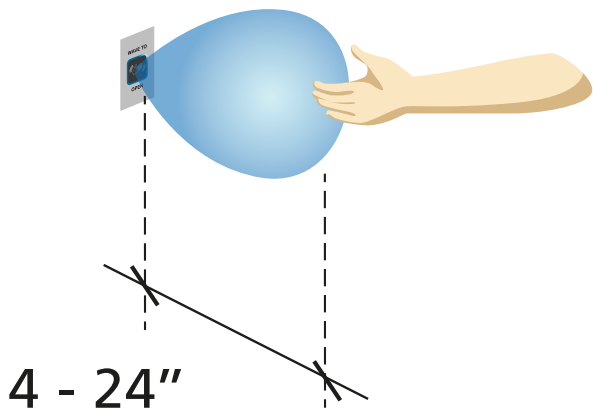
## CERTIFICATIONS

## DESCRIPTION

BEA's **MAGIC SWITCH® Family** provides a highly accessible and germ-free door activation without physical contact. Reduce touchpoints in fast-paced environments that depend on sanitation like healthcare, retail, industrial and commercial settings.

Using microwave technology, BEA's **MS41** 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 **MS41** features rounded corners and a customizable illuminated ring with audible signaling. The durable design suits sterile, wash-down applications such as surgical, wash-down, clean room and pharmaceutical environments.




### Durable Faceplate

Stainless steel faceplate increases durability and protection from daily cleaning

### Ideal For Harsh Environments

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

### High-Visibility

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

### Adjustable Detection Zone

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

### Activation Alerts

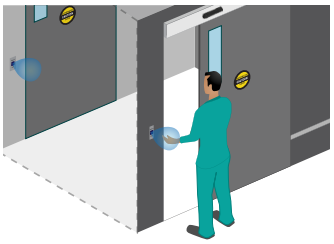
Adjustable audible alert setting, including silent-mode required for hospitals and other noise-sensitive environments

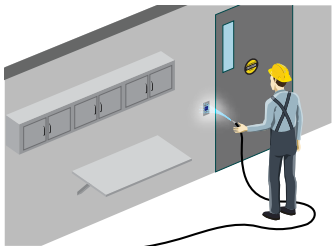
### Adjustable Hold Time

Configurable output hold time of ½ to 30 seconds allowing unique, user-defined device placement

## APPLICATIONS

Healthcare Environments


Clean Rooms and Sterile Facilities


Washdown Resistant

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Technology** | Microwave Doppler Radar |
| Radiated Frequency | 24.125 GHz |
| Radiated Power Density | < 5 mW/cm² |
| **Detection Mode** | Motion (bidirectional) |
| **Detection Range** | 4 – 24" (adjustable) |
| **Output** | Relay with switch-over contact (voltage-free) |
| Max. Contact Voltage | 60 VDC / 125 VAC |
| Max. Contact Current | 1A (resistive) |
| Max. Switching Power | 30W DC / 60 VAC |
| **Output Hold Time** | 0.5 – 30 s |
| **Supply Frequency** | 50 – 60 Hz |
| **Supply Voltage*** | 12 – 24 VAC ±10%<br>12 – 24 VDC +30% / -10% |
| **Power Consumption** | < 1.5 W |
| **Weight** | 0.34 lbs |
| **Material** | Stainless Steel |
| **Temperature Range** | -4 – 131 °F |
| **IP Rating**** | IP55<br>Apply silicone to acieve IP65 |
| **Dimensions** | |
| Single Gang | 4.5" (H) × 2.75" (W) × 0.98" (T) |
| Double Gang | 4.5" (H) × 4.5" (W) × 0.98" (T) |
| Round | 6" ø |
| **Certification** | EMC: 2004 / 108 / EC<br>FCC: G9B-210161<br>IC: 4680A-210161 |

*To be operated from SELV-compatible power supplies only
** See Users Guide

## PRODUCT SERIES

**10MS41-S**
Stainless steel single gang - text + hand logo

**10MS41-SA**
Stainless steel single gang - text + accessibility logo

**10MS41-D**
Stainless steel double gang - text + hand logo

**10MS41-DA**
Stainless steel double gang - text + accessibility logo

**10MS41-R**
Stainless steel round plate - text + hand logo

**10MS41-RA**
Stainless steel round plate - text + accessibility logo

**10TD900TR**
900 MHz retrofit transmitter

| | |
|---|---|
| **10MS41-SP** | Stainless steel single gang - plain |
| **10MS41-DP** | Stainless steel double gang - plain |
| **10MS41-RP** | Stainless steel round plate - plain |

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