



## MS51

BATTERY-POWERED, TOUCHLESS ACTUATOR

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### TECHNOLOGY



### DESCRIPTION

BEA's **MS51** is a long-lasting battery-powered, active infrared touchless actuator that reduces wiring and provides flexible mounting options. It may be hardwired or connected to wireless transmitters.

This solution boasts superior battery life with three years of uninterrupted operation across a range of applications and environments. LED alerts indicate battery status for easy maintenance.

**MS51** offers reliable operation with key features

engineered to ensure performance in challenging conditions, such as harsh lighting and cold weather climates. Selectable immunity modes focus on enhancing performance and mitigating environmental disturbances such as rain, water spray, and snow.

BEA's **MAGIC SWITCH®** line of touchless actuators provides germ-free door activation without physical contact for safer interactions, improved traffic flow, and enhanced accessibility. They are available in a variety of popular design options, including accessibility artwork.



### Best-in-Class Battery Life

3-year battery life provides uninterrupted operation in the field

### Reduce False Detections

Built-in redundant sensor ensures consistent detection in the event of environmental interference such as window pollution

Selectable immunity modes mitigate environmental disturbances such as rain, water spray, and snow

Advanced light-cancellation feature reduces false detections from direct sun and light in exposed areas



### Easy Installation & Setup

Quick push-plate retrofit reduces installation time and cost

Three-step process simplifies installers' time in the field

### Robust Construction

Stainless steel faceplate and IP65 rating for harsh environments

## APPLICATIONS



Retail



Restroom



Healthcare



Outdoor environments

## TECHNICAL SPECIFICATIONS

### TECHNOLOGY / PERFORMANCE

<b>Technology</b>	Active infrared
number of IR sensors	2
<b>Detection range</b>	8" (20cm) max.
<b>Battery life</b>	3 years (at 150 activations per day)
<b>Product temperature range</b>	-22 – 158 °F (-30 – 70 °C)

### ELECTRICAL

<b>Output</b>	1 electronic relay (galvanic isolation - polarity free)
max. switching voltage	42 VAC/VDC
max. switching current	100 ma
<b>Power supply</b>	3 VDC (2 AA batteries, each ~1.5 V max.)
<b>Power consumption</b>	< 0.5 mW (when idle) < 12 mW (upon activation)
<b>Wire gauge</b>	26-16 AWG

### PHYSICAL

<b>Dimensions (overall)</b>	
single gang	2 ¾" (W) × 4 ½" (H) × 1 ¼" (T)
double gang	4 ½" (W) × 4 ½" (H) × 1 ¼" (T)
round	6" (H/W) × 1 ¼" (T)
jamb	1 ¾" (W) × 4 ½" (H) × 1 ¼" (T)
<b>Material</b>	Stainless steel 304 and PC
<b>Weight</b>	Single gang: 0.34 lb Double gang: 0.55 lb Round: 0.71 lb Jamb: 0.29 lb

### COMPLIANCE

<b>IP rating</b>	IP65
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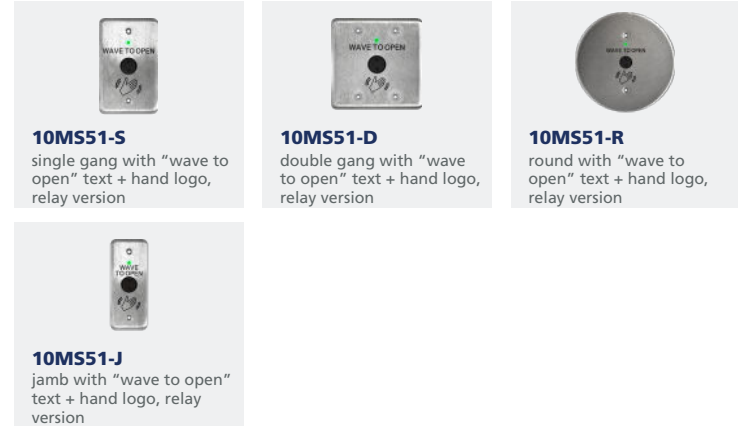
Every application is unique. To ensure you have what you need for yours, please consult your BEA Sales Representative.

## RELATED PRODUCTS

<b>10RD900</b>	900 MHz receiver module
<b>10TD900TR</b>	900 MHz retrofit transmitter
<b>10BR2-900</b>	2-relay logic module

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## PRODUCT SERIES



### 10MS51-S

single gang with "wave to open" text + hand logo, relay version

### 10MS51-D

double gang with "wave to open" text + hand logo, relay version

### 10MS51-R

round with "wave to open" text + hand logo, relay version

### 10MS51-J

jamb with "wave to open" text + hand logo, relay version

## ADDITIONAL OPTIONS

<b>10MS51-SA</b>	single gang with "wave to open" text and accessibility logo, relay version
<b>10MS51-SP</b>	single gang, plain, relay version
<b>10MS51-ST</b>	single gang with "wave to open" text only, relay version
<b>10MS51-DA</b>	double gang with "wave to open" text and accessibility logo, relay version
<b>10MS51-DP</b>	double gang, plain, relay version
<b>10MS51-DT</b>	double gang with "wave to open" text only, relay version
<b>10MS51-RA</b>	6" round with "wave to open" text and accessibility logo, relay version
<b>10MS51-RP</b>	6" round, plain, relay version
<b>10MS51-RT</b>	6" round with "wave to open" text only, relay version
<b>10MS51-JA</b>	jamb with "wave to open" text and accessibility logo, relay version
<b>10MS51-JP</b>	jamb, plain, relay version
<b>10MS51-JT</b>	jamb with "wave to open" text only, relay version

## MOUNTING OPTIONS



### 10MSBOXSGSM

Box, MAGIC SWITCH, single gang, surface-mount

### 10MSBOXDGS

Box, MAGIC SWITCH, double gang, surface-mount

### 10MSBOXRND

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

### 10MSBOXJAM

Box, MAGIC SWITCH, jamb, surface-mount

WWW.BEASENSORS.COM



BEA AMERICAS / RIDC Park West / 100 Enterprise Drive / Pittsburgh, PA  
T 1-800-523-2462 / F 1-888-523-2462 / E info-us@BEAsensors.com

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