



# ENTRANCE



## MS51 FAMILY

STAINLESS STEEL, TOUCHLESS ACTUATOR



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

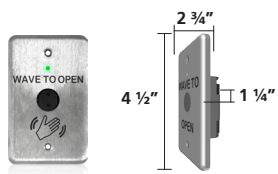
Three-step process simplifies installers' time in the field

### Robust Construction

Stainless steel faceplate and IP65 rating for harsh environments

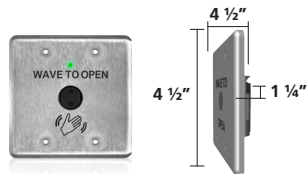
\* certain combinations of settings can affect maximum battery life

# PRODUCT SERIES



## 10MS51-S

Single gang with "wave to open"  
text + hand logo



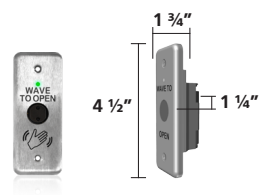
## 10MS51-D

Double gang with "wave to open"  
text + hand logo



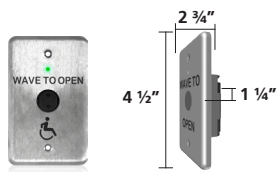
## 10MS51-R

Round gang with "wave to open"  
text + hand logo



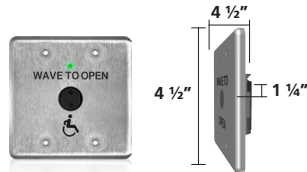
## 10MS51-J

Jamb gang with "wave to open"  
text + hand logo



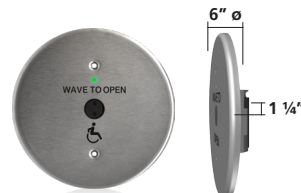
## 10MS51-SA

Single gang with "wave to open"  
text + accessibility logo



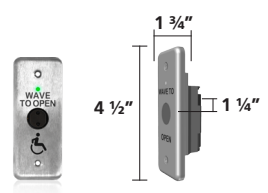
## 10MS51-DA

Double gang with "wave to open"  
text + accessibility logo



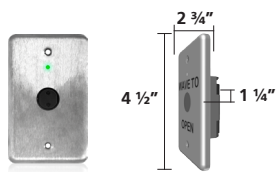
## 10MS51-RA

Round gang with "wave to open"  
text + accessibility logo



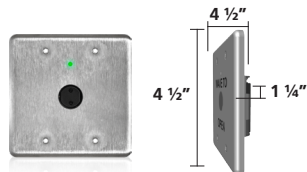
## 10MS51-JA

Jamb gang with "wave to open"  
text + accessibility logo



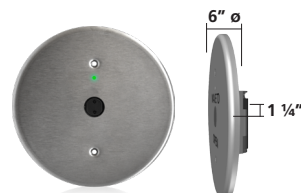
## 10MS51-SP

Single gang, plain



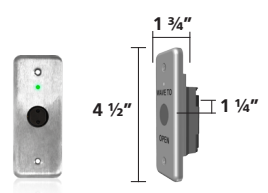
## 10MS51-DP

Double gang, plain



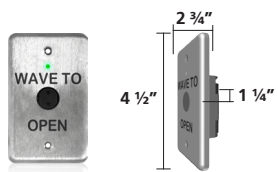
## 10MS51-RP

Round gang, plain



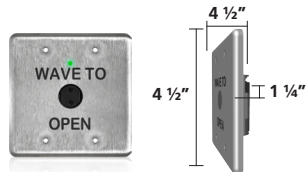
## 10MS51-JP

Jamb gang, plain



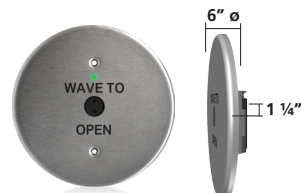
## 10MS51-ST

Single gang with "wave to open"  
text only



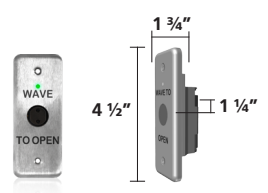
## 10MS51-DT

Double gang with "wave to open"  
text only



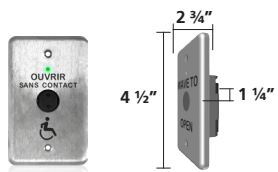
## 10MS51-RT

Round gang with "wave to open"  
text only



## 10MS51-JT

Jamb gang with "wave to open"  
text only



## 10MS51-SAF

Single gang with "ouvrir sans contact"  
text (French) + accessibility logo

## MOUNTING OPTIONS & ACCESSORIES



### 10MSBOXSGSM

MAGIC SWITCH surface-mount  
box, single gang



### 10MSBOXDGSM

MAGIC SWITCH surface-mount  
box, double gang



### 10MSBOXRNDISM

MAGIC SWITCH surface-mount  
box, round



### 10MSBOXJAMBSM

MAGIC SWITCH surface-mount  
box, jamb



### 10BOLLARDBRZ

Bollard - bronze  
*double gang only*



### 10BOLLARDBRZWOH

Bollard without hole - bronze



### 10BOLLARDSLV

Bollard - silver  
*double gang only*



### 10BOLLARDSLVWOH

Bollard without hole - silver



### 10BOLLARDBLK

Bollard - black  
*double gang only*



### 10BOLLARDBLKWOH

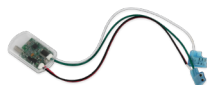
Bollard without hole - black

## RELATED PRODUCTS



### 10RD900

900 MHz receiver module



### 10TD900TR

900 MHz retrofit transmitter



### 10BR2-900

2-relay logic module



# APPLICATIONS



Retail



Restroom



Healthcare



Outdoor environments

# TECHNICAL SPECIFICATIONS

## TECHNOLOGY / PERFORMANCE

Technology	Active infrared
number of IR sensors	2

### Detection range

long range (default)	12" (30.5cm) max. (2 year maximum battery life, at 150 activations per day)
short range	6" (15.24cm) max. (3 year maximum battery life, at 150 activations per day)

Product temperature range	-22 – 158 °F (-30 – 70 °C)
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## ELECTRICAL

Output	1 electronic relay (galvanic isolation - polarity free)
max. switching voltage	42 VAC/VDC
max. switching current	100 ma

Power supply	3 VDC (2 AA batteries, each ~1.5 V max.)
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Power consumption	< 0.5 mW (when idle) < 12 mW (upon activation)
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Wire gauge	26-16 AWG
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## PHYSICAL

### Dimensions (overall)

single gang	2 ¾" (W) x 4 ½" (H) x 1 ¼" (T)
double gang	4 ½" (W) x 4 ½" (H) x 1 ¼" (T)
round	6" (H/W) x 1 ¼" (T)
jamb	1 ¾" (W) x 4 ½" (H) x 1 ¼" (T)

Material	Stainless steel 304 and PC
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Weight	Single gang: 0.34 lb Double gang: 0.55 lb Round: 0.71 lb Jamb: 0.29 lb
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## COMPLIANCE

IP rating	IP65
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