



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*

Easy Installation & Setup

Quick push-plate retrofit reduces installation time and cost
Three-step process simplifies installers' time in the field

Reduce False Detections

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

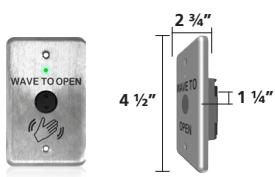
Selectable immunity modes mitigate environmental disturbances such as rain, water spray, and snow

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

Robust Construction

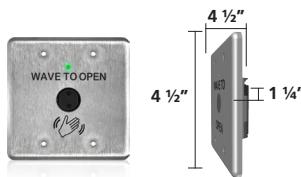
Stainless steel faceplate and IP65 rating for harsh environments

PRODUCT SERIES



10MS51-S

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



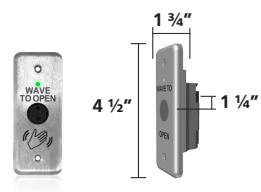
10MS51-D

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



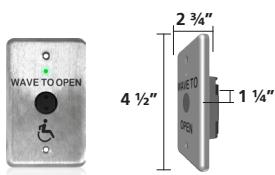
10MS51-R

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



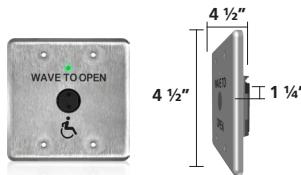
10MS51-J

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



10MS51-SA

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



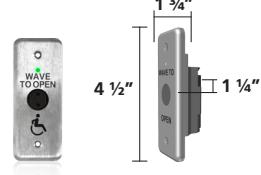
10MS51-DA

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



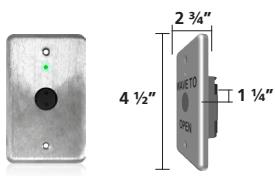
10MS51-RA

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



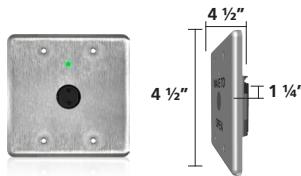
10MS51-JA

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



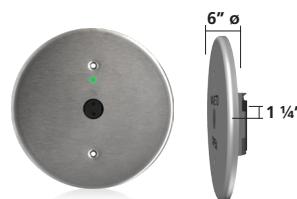
10MS51-SP

Single gang, plain



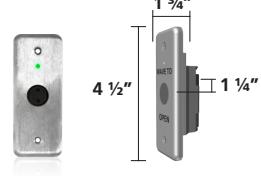
10MS51-DP

Double gang, plain



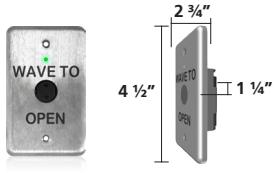
10MS51-RP

Round gang, plain



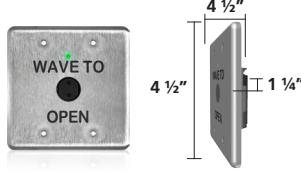
10MS51-JP

Jamb gang, plain



10MS51-ST

Single gang with "wave to open" text only



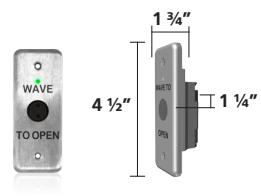
10MS51-DT

Double gang with "wave to open" text only



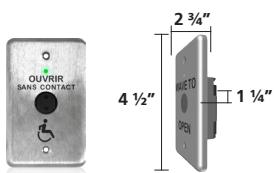
10MS51-RT

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



10MSBOXRNDSM

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)
----------------------------------	----------------------------

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.)
Power consumption	< 0.5 mW (when idle) < 12 mW (upon activation)
Wire gauge	26-16 AWG

PHYSICAL

Dimensions (overall)

single gang	2 3/4" (W) x 4 1/2" (H) x 1 1/4" (T)
double gang	4 1/2" (W) x 4 1/2" (H) x 1 1/4" (T)
round	6" (H/W) x 1 1/4" (T)
jamb	1 3/4" (W) x 4 1/2" (H) x 1 1/4" (T)

Material	Stainless steel 304 and PC
-----------------	----------------------------

Weight	Single gang: 0.34 lb Double gang: 0.55 lb Round: 0.71 lb Jamb: 0.29 lb
---------------	---

COMPLIANCE

IP rating	IP65
------------------	------

DISCLAIMER Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will BEA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information from this document or the products to which the information refers. BEA has the right without liability to change descriptions and specifications at any time.

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

A **Halma** company