



MS51W FAMILY

BATTERY-POWERED, TOUCHLESS ACTUATOR
WITH BUILT-IN, 900 MHZ TRANSMITTER



BEA's **MS51W** is a long-lasting battery-powered, active infrared touchless actuator with a built-in 900 MHz wireless transmitter that reduces wiring and provides flexible mounting options.

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.

MS51W 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*

Built-in, Wireless Transmitter

Integrated 900 MHz transmitter reduces installation time**

900 MHz wireless technology provides greater line-of-sight transmission distance for reliable activation

Easy Installation & Setup

Completely wireless solution reduces overall installation time and cost

Three-step process simplifies installers' time in the field

Enhanced Performance Features

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

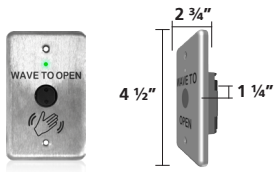
Robust Construction

Stainless steel faceplate and IP65 rating for harsh environments

* certain combinations of settings can affect maximum battery life

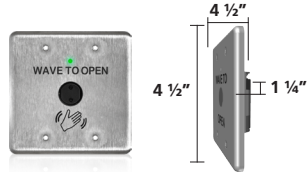
** corresponding wireless receiver sold separately

PRODUCT SERIES



10MS51W-S

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



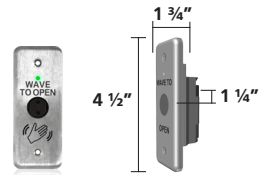
10MS51W-D

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



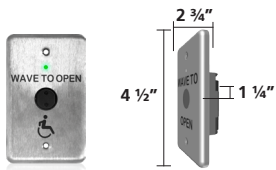
10MS51W-R

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



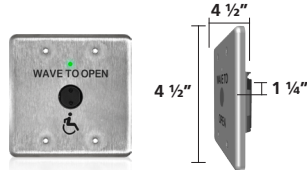
10MS51W-J

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



10MS51W-SA

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



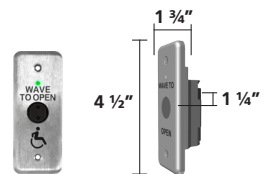
10MS51W-DA

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



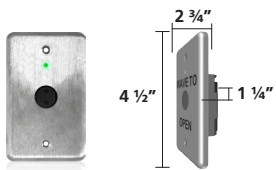
10MS51W-RA

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



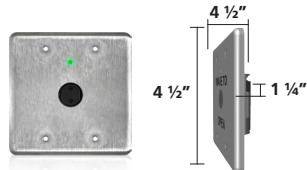
10MS51W-JA

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



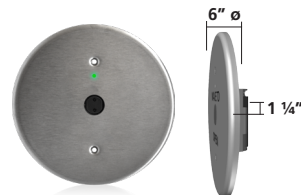
10MS51W-SP

Single gang, plain



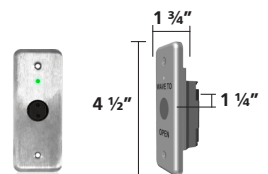
10MS51W-DP

Double gang, plain



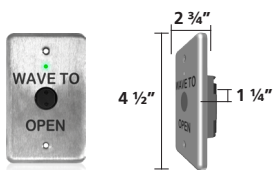
10MS51W-RP

Round gang, plain



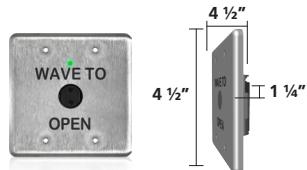
10MS51W-JP

Jamb gang, plain



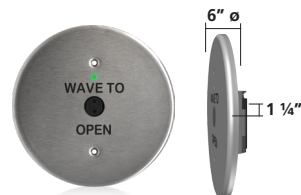
10MS51W-ST

Single gang with "wave to open"
text only



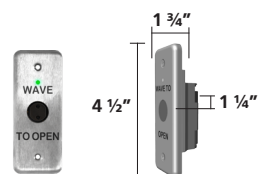
10MS51W-DT

Double gang with "wave to open"
text only



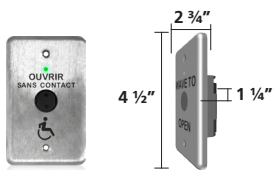
10MS51W-RT

Round gang with "wave to open"
text only



10MS51W-JT

Jamb gang with "wave to open"
text only



10MS51W-SAF

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

MOUNTING OPTIONS & ACCESSORIES



10MSBOXSGSM

MAGIC SWITCH surface-mount
box, single gang



10MSBOXDGS

MAGIC SWITCH surface-mount
box, double gang



10MSRND

MAGIC SWITCH surface-mount
box, round



10MSJAMBSM

MAGIC SWITCH surface-mount
box, jamb



10BOLLARDBR

Bollard - bronze
double gang only



10BOLLARDBRZWO

Bollard without hole - bronze



10BOLLARDSLV

Bollard - silver
double gang only



10BOLLARDSLVWO

Bollard without hole - silver



10BOLLARDBLK

Bollard - black
double gang only



10BOLLARDBLKW

Bollard without hole - black

RELATED PRODUCTS



10RD900

900 MHz receiver module



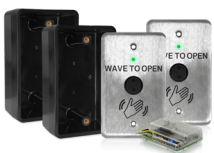
10TD900TR

900 MHz retrofit transmitter



10BR2-900

2-relay logic module



10MS51W-SKIT

10MS51W-S sensors (2) +
10MSBOXSGSM boxes (2) +
10RD900 receiver



10MS51W-DKIT

10MS51W-D sensors (2) +
10MSBOXDGS boxes (2) +
10RD900 receiver



APPLICATIONS



Retail



Restroom



Healthcare



Outdoor environments

TECHNICAL SPECIFICATIONS

TECHNOLOGY / PERFORMANCE	
Technology	Active infrared
number of IR sensors	2
Radio control type	Digital
Frequency	908 – 918 MHz (frequency hopping)
Emitted radio power	-25 dBm (transmitter)
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	
Power supply	3 VDC (2 AA batteries, each ~1.5 V max.)
Power consumption	< 0.5 mW (when idle) < 25 mW (upon RF transmission)
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
Weight	Single gang: 0.34 lb Double gang: 0.55 lb Round: 0.71 lb Jamb: 0.29 lb
COMPLIANCE	
IP rating	IP65
FCC certification	FCC: 2ABWS-10TD900PB IC: 4680A-10TD900PB

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