MS51W

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



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TECHNOLOGY

DESCRIPTION

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

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

Easy Installation & Setup

A completely wireless solution reduces overall installation time and cost

Three-step process simplifies installers' time in the field

Robust Construction

Stainless steel faceplate and IP65 rating for harsh environments

* corresponding wireless receiver sold separately

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	8" (20cm) max.
Battery life	3 years (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) × 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)
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

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 with "wave to open" text + hand logo



10MS51W-J
jamb with "wave to open" text + hand logo

ADDITIONAL OPTIONS

10MS51W-SA	single gang with "wave to open" text and accessibility logo
10MS51W-SP	single gang, plain
10MS51W-ST	single gang with "wave to open" text only
10MS51W-DA	double gang with "wave to open" text and accessibility logo
10MS51W-DP	double gang, plain
10MS51W-DT	double gang with "wave to open" text only
10MS51W-RA	6" round with "wave to open" text and accessibility logo
10MS51W-RP	6" round, plain
10MS51W-RT	6" round with "wave to open" text only
10MS51W-JA	jamb with "wave to open" text and accessibility logo
10MS51W-JP	jamb, plain
10MS51W-JT	jamb with "wave to open" text only

Every application is unique. To ensure you have what you need for yours, please consult your BEA Sales Representative.

RELATED PRODUCTS



10RD900
900 MHz receiver module



10BR2-900
2-relay logic module

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