



# MS51W

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

## 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.

\* certain combinations of settings can affect maximum battery life

## APPLICATIONS



Retail



Restroom



Healthcare



Outdoor environments

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## TECHNICAL SPECIFICATIONS

### TECHNOLOGY / PERFORMANCE

<b>Technology</b>	Active infrared
number of IR sensors	2
<b>Radio control type</b>	Digital
<b>Frequency</b>	908 – 918 MHz (frequency hopping)
<b>Emitted radio power</b>	-25 dBm (transmitter)
<b>Detection range</b>	
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)

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

<b>Power supply</b>	3 VDC (2 AA batteries, each ~1.5 V max.)
<b>Power consumption</b>	< 0.5 mW (when idle) < 25 mW (upon RF transmission)

### PHYSICAL

#### Dimensions (overall)

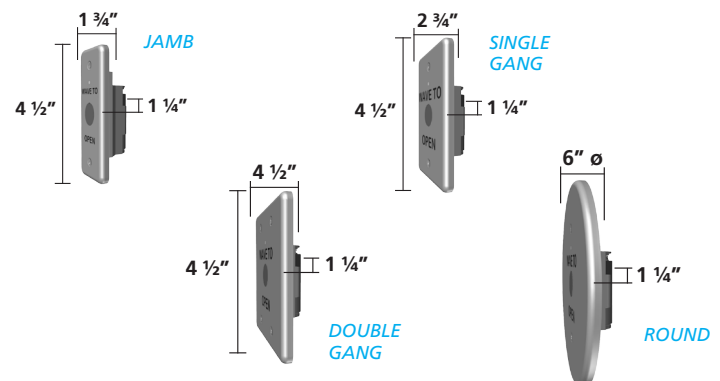
single gang	2 ¾" (W) × 4 ½" (H) × 1 ¼" (T)
double gang	4 ½" (W) × 4 ½" (H) × 1 ¼" (T)
round	6" (H/W) × 1 ¼" (T)
jamb	1 ¾" (W) × 4 ½" (H) × 1 ¼" (T)

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

<b>IP rating</b>	IP65
<b>FCC certification</b>	FCC: 2ABWS-10TD900PB IC: 4680A-10TD900PB



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