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MS51

BATTERY-POWERED, TOUCHLESS ACTUATOR



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TECHNOLOGY

DESCRIPTION

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

APPLICATIONS


Retail


Restroom


Healthcare


Outdoor environments

TECHNICAL SPECIFICATIONS

TECHNOLOGY / PERFORMANCE

Technology	Active infrared
number of IR sensors	2
Detection range	8" (20cm) max.
Battery life	3 years (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 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

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 with "wave to open" text + hand logo



10MS51-J
jamb with "wave to open" text + hand logo

ADDITIONAL OPTIONS

10MS51-SA	single gang with "wave to open" text and accessibility logo
10MS51-SP	single gang, plain
10MS51-ST	single gang with "wave to open" text only
10MS51-DA	double gang with "wave to open" text and accessibility logo
10MS51-DP	double gang, plain
10MS51-DT	double gang with "wave to open" text only
10MS51-RA	6" round with "wave to open" text and accessibility logo
10MS51-RP	6" round, plain
10MS51-RT	6" round with "wave to open" text only
10MS51-JA	jamb with "wave to open" text and accessibility logo
10MS51-JP	jamb, plain
10MS51-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



10TD900PB
900 MHz hardwired transmitter

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