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MS31

MICROWAVE TOUCHLESS ACTUATOR WITH ADJUSTABLE RANGE AND RELAY HOLD TIME



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click or scan

TECHNOLOGY

CERTIFICATIONS



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DESCRIPTION

BEA's **MAGIC SWITCH® Family** utilizes proven microwave motion technology to ensure consistent, dependable touchless activation and can be adjusted to comply with the ANSI 156.10 knowing act standard.

The **MS31** detects moving objects such as a hand, cart or wheelchair and reduces touchpoints in high traffic areas commonly found in shopping and transportation centers. Applications requiring hygienic activation include hospitals, pharmacies, clean rooms and foodservice facilities.



Adjustable Detection Zone

Detection zone from 4 to 24 inches (timed or toggle)

Adjustable LED Setting

Dipswitch position determines if LED illuminated when in detection or when not in detection

Silent Activation

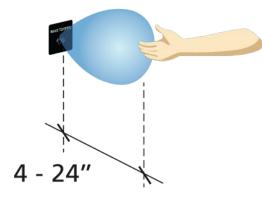
Silent activation for hospitals and other noise-sensitive environments

Durable Design

IP54 rated enclosure for protection against outdoor weathering and daily cleaning

Various Faceplates Available

Available in black, gray and white faceplate; options include jamb style, single-gang, double-gang and 6 inch round



APPLICATIONS



Full Energy Swing Doors



Low Energy Swing Doors



Industrial Doors

Healthcare Environments

TECHNICAL SPECIFICATIONS

Technology Radiated Frequency Radiated Power Density	Microwave Doppler Radar 24.125 GHz < 5 mW / cm²
Detection Mode	Motion (bidirectional)
Detection Range	4 – 24" (adjustable)
Output Max. Contact Voltage Max. Contact Current Max. Switching Power	Relay with switch-over contact (voltage-free) 60 VDC / 125 VAC 1 A (resistive) 30 W (DC) / 60 VA (AC)
Output Hold Time	0.5 – 30 s
Supply Frequency	50 – 60 Hz
Supply Voltage	12 – 24 VAC ±10%, 12 – 24 VDC +30% / -10%
Power Consumption	< 1.5 W
Weight	0.34 lbs
Material	PC, PE
Temperature Range	-4 – 131 °F (-20 – 55 °C)
IP Rating	IP54
Dimensions Single Gang Jamb Plate Double Gang Round Plate	4 $\frac{1}{2}''$ (H) × 2 $\frac{3}{4}''$ (W) × $\frac{1}{4}''$ (T) 4 $\frac{1}{2}''$ (H) × 1 $\frac{3}{4}''$ (W) × $\frac{1}{4}''$ (T) 4 $\frac{1}{2}''$ (H) × 4 $\frac{1}{2}''$ (W) × $\frac{1}{4}''$ (T) 6'' (D) × $\frac{1}{4}''$ (T)
Certification	EMC: 2004 / 108 / EC FCC: G9B-210161 IC: 4680A-210161

PRODUCT SERIES





10MS31U - B/G/W Black, gray or white, kit w/ single and double gang

10MS31J - B/G/W Black, gray or white, kit with jamb



10MS31R - B/G/W Black, gray or white, kit with 6" round

MS31 CUSTOM	Choice of accessibility logo or plain in all size options
70.5869	Single gang - black, plain
70.5833	Single gang - black, text + hand logo
70.5834	Single gang - black, text + accessibility logo
70.5872	Jamb plate - black, plain
70.5825	Jamb plate - black, text + hand logo
70.5826	Jamb plate - black, text + accessibility logo
70.5887	Double gang - black, plain
70.5841	Double gang - black, text + hand logo
70.5842	Double gang - black, text + accessibility logo
70.5871	Round plate - black, plain
70.5849	Round plate - black, text + hand logo
70.5850	Round plate - black, text + accessibility logo
70.5835	Single gang - gray, plain
70.5836	Single gang - gray, text + hand logo
70.5837	Single gang - gray, text + accessibility logo
70.5827	Jamb plate - gray, plain
70.5828	Jamb plate - gray, text + hand logo
70.5829	Jamb plate - gray, text + accessibility logo
70.5843	Double gang - gray, plain
70.5844	Double gang - gray, text + hand logo
70.5845	Double gang - gray, text + accessibility logo
70.5851	Round plate - gray, plain
70.5852	Round plate - gray, text + hand logo
70.5853	Round plate - gray, text + accessibility logo
70.5838	Single gang - white, plain
70.5839	Single gang - white, text + hand logo
70.5840	Single gang - white, text + accessibility logo
70.5830	Jamb plate - white, plain
70.5831	Jamb plate - white, text + hand logo
70.5832	Jamb plate - white, text + accessibility logo
70.5846	Double gang - white, plain
70.5847	Double gang - white, text + hand logo
70.5848	Double gang - white, text + accessibility logo
70.5854	Round plate - white, plain
70.5855	Round plate - white, text + hand logo

MOUNTING OPTIONS



Box, MAGIC SWITCH,

single gang, surface-mount

10MSBOXDGSM

Box, MAGIC SWITCH,

double gang, surface-mount



10MSBOXRNDSM Box, MAGIC SWITCH, 6" round, surface-mount

RELATED PRODUCTS

10RD900	900 MHz receiver module
10TD900TR	900 MHz retrofit transmitter
10BR2-900	2-relay logic module

10MSBOXJAMBSM Box, MAGIC SWITCH, jamb, surface-mount

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