MS31

MICROWAVE TOUCHLESS ACTUATOR WITH ADJUSTABLE RANGE AND RELAY HOLD TIME



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TECHNOLOGY

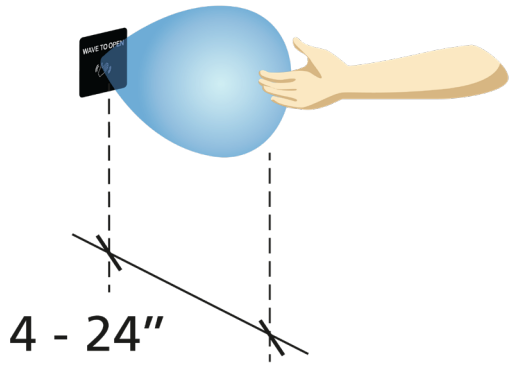
CERTIFICATIONS

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

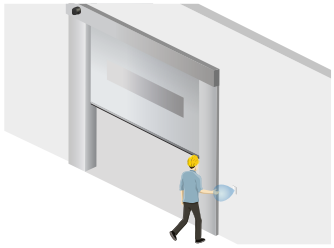
APPLICATIONS



Full Energy Swing Doors



Low Energy Swing Doors



Industrial Doors



Healthcare Environments

TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Radiated Frequency	24.125 GHz
Radiated Power Density	< 5 mW / cm²
Detection Mode	Motion (bidirectional)
Detection Range	4 – 24" (adjustable)
Output	Relay with switch-over contact (voltage-free)
Max. Contact Voltage	60 VDC / 125 VAC
Max. Contact Current	1 A (resistive)
Max. Switching Power	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	4 ½" (H) × 2 ¾" (W) × ¼" (T)
Jamb Plate	4 ½" (H) × 1 ¾" (W) × ¼" (T)
Double Gang	4 ½" (H) × 4 ½" (W) × ¼" (T)
Round Plate	6" (D) × ¼" (T)
Certification	EMC: 2004 / 108 / EC FCC: G9B-210161 IC: 4680A-210161

RELATED PRODUCTS

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

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
70.5856	Round plate - white, text + accessibility logo

MOUNTING OPTIONS



10MSBOXSGSM
Box, MAGIC SWITCH, single gang, surface-mount



10MSBOXDGSM
Box, MAGIC SWITCH, double gang, surface-mount



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



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

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