



MS31

MICROWAVE TOUCHLESS ACTUATOR WITH ADJUSTABLE RANGE AND RELAY HOLD TIME

DRAFT

VIDEO



[Watch the product video](#)

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 (pulse or toggle)

Adjustable LED Setting

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

Silent Activation

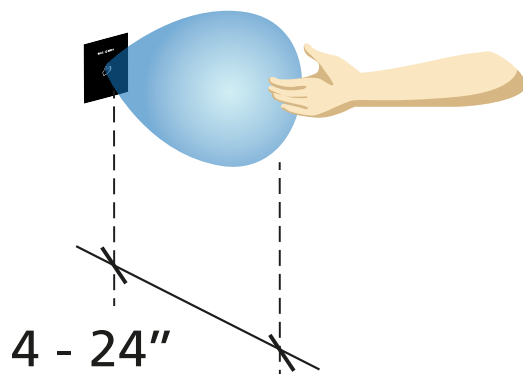
Silent activation for hospitals and other noise-sensitive environments

Durable Design

IP55 rated enclosure for protection against outdoor weathering and daily cleaning

Various Faceplates Available

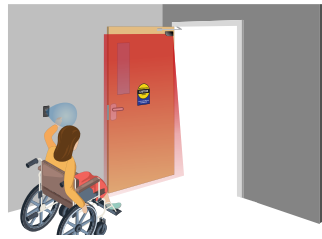
Available in black, gray and white faceplate; options include jamb style, single-gang, double-gang and 6 inch round



APPLICATIONS



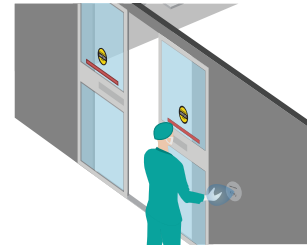
Full Energy Swing Doors



Low Energy Swing Doors



Industrial Doors



Healthcare Environments

TECHNICAL SPECIFICATIONS

Technology	Microwave Motion Sensor
Radiated Frequency	24.125 GHz
Radiated Power Density	< 5 mW / cm ²
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	IP55
Certification	EMC: 2004 / 108 / EC FCC: G9B-210161 IC: 4680A-210161

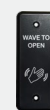
*To be operated from SELV-compatible power supplies only

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



10RD900

900 MHz Receiver



10TD900TR

900 MHz retrofit
transmitter

10MS31BASE 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

70.5846 Double gang - white, text + hand logo

70.5847 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

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