



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

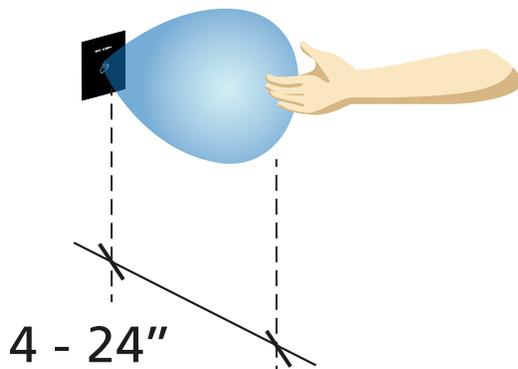
Silent activation for hospitals and other noise-sensitive environments

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 log |
| 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 |

DISCLAIMER Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will BEA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information from this document or the products to which the information refers. BEA has the right without liability to change descriptions and specifications at any time.

WWW.BEASENSORS.COM



BEA AMERICAS / RIDC Park West / 100 Enterprise Drive / Pittsburgh, PA
T 1-800-523-2462 / F 1-888-523-2462 / E info-us@BEAsensors.com

A Halma company