



MS31

MICROWAVE TOUCHLESS ACTUATOR WITH ADJUSTABLE RANGE AND RELAY HOLD TIME



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.

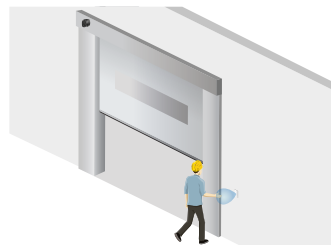
APPLICATIONS



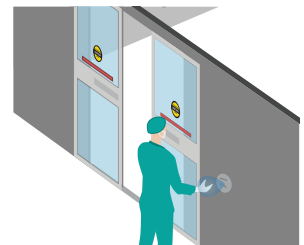
Full Energy Swing Doors



Low Energy Swing Doors



Industrial Doors



Healthcare Environments

TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Radiated Frequency	24.125 GHz
Radiated Power Density	< 5 mW / 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	IP54
Dimensions	
Jamb Plate	4 ½" (H) × 1 ¾" (W) × ¼" (T)
Single Gang	4 ½" (H) × 2 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

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