



# 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.

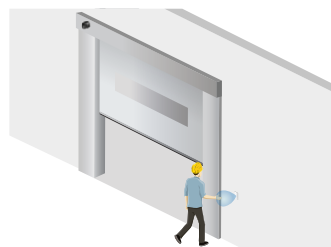
## APPLICATIONS



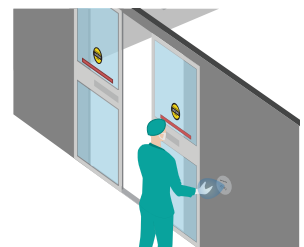
Full Energy Swing Doors



Low Energy Swing Doors



Industrial Doors



Healthcare Environments



## TECHNICAL SPECIFICATIONS

<b>Technology</b>	Microwave Doppler Radar
Radiated Frequency	24.125 GHz
Radiated Power Density	< 5 mW / cm <sup>2</sup>
<b>Detection Mode</b>	Motion (bidirectional)
<b>Detection Range</b>	4 – 24" (adjustable)
<b>Output</b>	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)
<b>Output Hold Time</b>	0.5 – 30 s
<b>Supply Frequency</b>	50 – 60 Hz
<b>Supply Voltage*</b>	12 – 24 VAC ±10%, 12 – 24 VDC +30% / -10%
<b>Power Consumption</b>	< 1.5 W
<b>Weight</b>	0.34 lbs
<b>Material</b>	PC, PE
<b>Temperature Range</b>	-4 – 131 °F (-20 – 55 °C)
<b>IP Rating</b>	IP54
<b>Certification</b>	EMC: 2004 / 108 / EC FCC: G9B-210161 IC: 4680A-210161

\*To be operated from SELV-compatible power supplies only

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