



TOUCHLESS TECHNOLOGY ACTIVATION SENSORS

# MS08 SERIES

## MAGIC SWITCH

### FEATURES

- Touchless technology is ideal for use in sterile environments (i.e. clean-rooms, healthcare facilities, food processing plants)
- Can be hidden from view by installing the microwave sensor behind non-metallic surfaces (i.e. mounted behind drywall)
- Variable adjustment of detection zone from 4 to 24 inches
- Water-resistant foam gasket provides increased reliability when exposed to water or cleaning products
- Low profile, beveled design reduces accidental damage

### APPLICATIONS

- Sterile environments (clean-rooms, operating rooms, pharmaceutical, manufacturing, etc.)
- Healthcare facilities (hospitals, assisted living, eldercare, etc.)
- Food processing plants (reduces cross-contamination)
- Architectural specific applications (low-profile requirement)



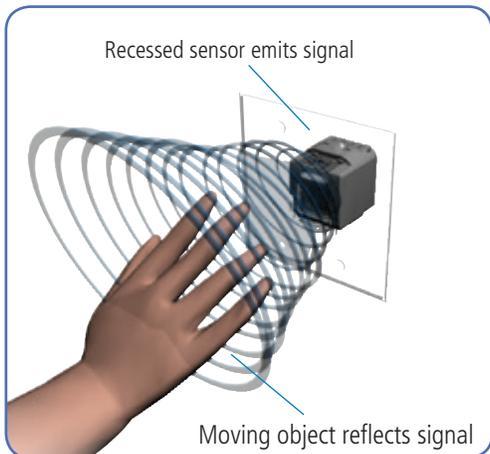
*10MS08U (above) contains single and double gang, black faceplates with wave to open text  
MS08U\_CUSTOM offers a choice of faceplate styles*

### Easy Installation

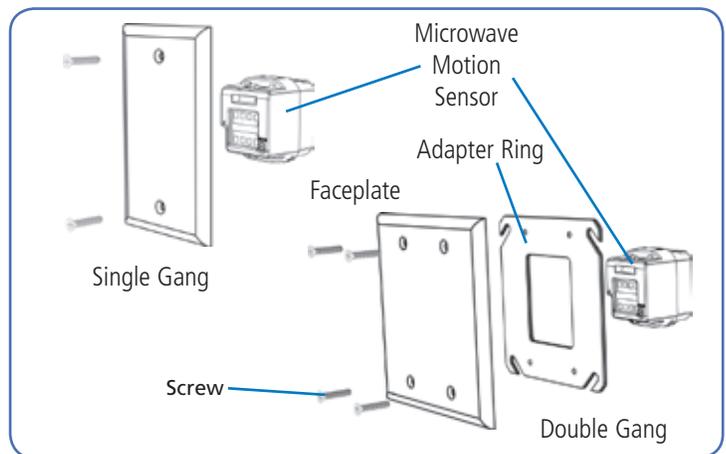
The MS08 utilizes microwave technology and the Doppler Radar effect. This Doppler Radar effect emits a signal that, when reflected by a moving object (i.e. a hand, cart, wheelchair, etc.), activates the door.

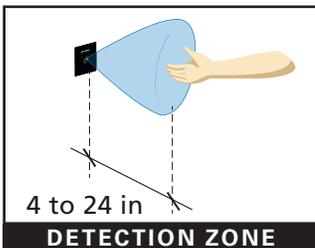
This touchless feature greatly reduces the spread of bacteria commonly found on push plates requiring a physical touch for activation.

### How It Works



### Components View





**MS08 SERIES**



**TECHNICAL SPECIFICATIONS**

<b>Technology</b>	Microwave Motion Sensor
Radiated Frequency	24.125 GHz
Transmitter Radiated Power	< 20 dBm EIRP
Radiated Power Density	< 5 mW/cm <sup>2</sup>
<b>Detection Mode</b>	Motion (bidirectional)
<b>Detection Range</b>	4 to 24 inches (adjustable)
<b>Output</b>	Relay with switch-over contact (free of potential)
Max. Voltage	60 VDC; 125 VAC
Max. Current	1 A (resistive)
Max. Switching Power	30 W (DC); 60 VA (AC)
<b>Output Hold Time</b>	0.5 s (in pulsed mode)
<b>Supply Frequency</b>	50 to 60 Hz
<b>Supply Voltage</b>	12 to 24 VAC ± 10% 12 to 24 VDC + 30%; - 10%
<b>Power Consumption</b>	< 1.5 W
<b>Material / Colors</b>	ASA, Nylon, PC / Black, White, Cream
<b>Cable Length</b>	Standard cable up to 16 AWG - 1.5 mm <sup>2</sup>
<b>Temperature Range</b>	-4°F to +131°F
<b>Certifications</b>	EMC: 2004 / 108 / EC; FCC: G9B-MS08; IC: 4680A-MS08

*Specifications are subject to change without prior notice.*

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