



TOUCHLESS TECHNOLOGY ACTIVATION SENSORS

MS09 SERIES

MAGIC SWITCH

FEATURES

- Touchless activation is ideal for use in sterile environments (i.e. clean rooms, healthcare facilities, food processing plants)
- The NEMA 4 rated enclosure is suitable to harsh environments
- Adjustable detection zone from 4 to 24 inches (pulse or toggle)
- Utilizes proven technology to ensure consistent detection

APPLICATIONS

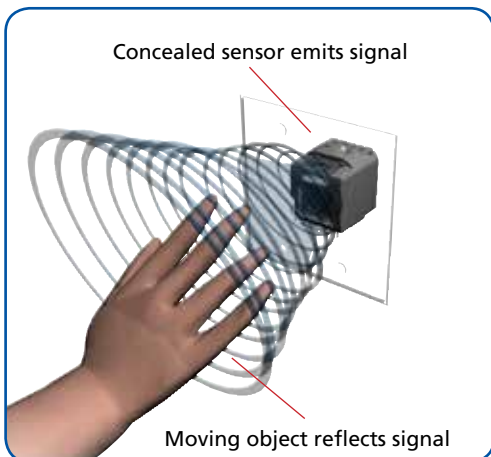
- Sterile environments (clean-rooms, operating rooms, pharmaceutical, manufacturing, etc.)
- Healthcare facilities (hospitals, assisted living, elder care, etc.)
- Food processing plants (reduces cross-contamination)
- Wash down environments



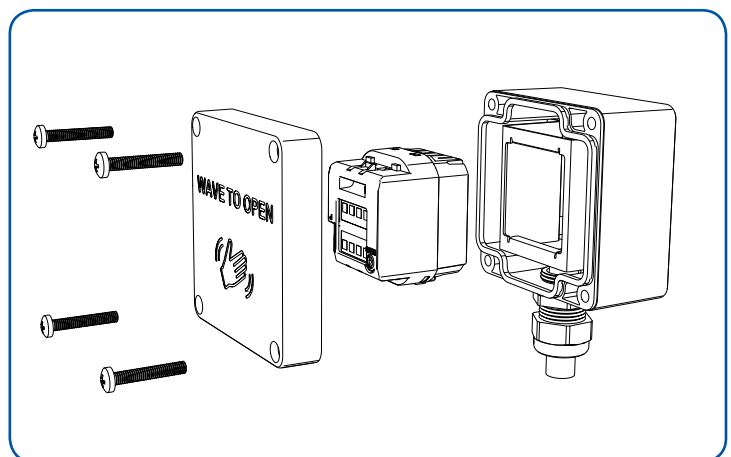
Easy Installation

The NEMA 4 rated MS09 utilizes microwave motion technology and the Doppler Radar effect. The MS09 detects moving objects such as a hand, cart or wheelchair. It is also not affected by stationary objects or changes in temperature.

How It Works



Components View

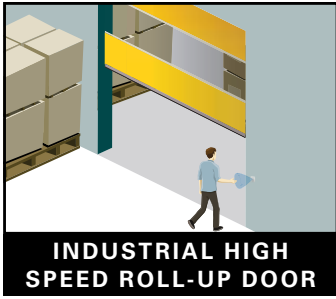


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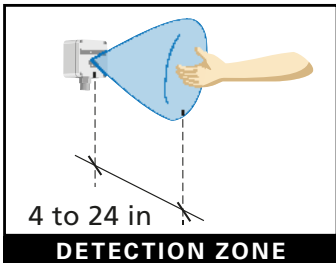
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INDUSTRIAL HIGH SPEED ROLL-UP DOOR



CLEAN ROOM DOORS



4 to 24 in
DETECTION ZONE



MS08 SERIES



MS21H SERIES



PANTHER SERIES

MS09 SERIES



10MS09TL
Wave To Open Text and Logo



10MS09L
Wave To Open Logo

TECHNICAL SPECIFICATIONS

| | |
|-----------------------------|--|
| Technology | K-Band Microwave Doppler Radar |
| Radiated Frequency | 24.125 GHz |
| Transmitter Radiated Power | < 20 dBm EIRP |
| Radiated Power Density | < 5 mW/cm ² |
| Detection Mode | Motion (bidirectional) |
| Detection Range | 4 to 24 inches (adjustable) |
| Output | 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) |
| Output Hold Time | 0.5 s (in pulsed mode) |
| Supply Frequency | 50 to 60 Hz |
| Supply Voltage | 12 to 24 VAC ± 10% 12 to 24 VDC + 30%; - 10% |
| Power Consumption | < 1.5 W |
| Material / Colors | ASA, Nylon / White |
| Cable Type | Compatible with standard, 4-conductor low voltage cable (not supplied) |
| Temperature Range | -4°F to +131°F |
| Degree of Protection | NEMA 4 |
| Certifications | EMC: 2004 / 108 / EC; FCC: G9B-MS08; IC: 4680A-MS08 |

Specifications are subject to change without prior notice.

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