



BEA ARCHITECTURAL SPECIFICATION SHEET

Automatic and Industrial Door Solutions: MS11 Touchless Switch

Product Specifications

Sensor shall be a hands free activation device designed to detect the motion of a hand and send an electrical signal to the door operator to open the door, re-open or hold a door open. Must be a sensor that operates at 24.125 GHz (K-band frequency). The sensor must have an adjustable range of 2" to 24" (5.08 cm to 60.96 cm).

Touchless Switch specification is based upon the MS11 Microwave Motion Sensor Face Plate Dimensions:

- 2.77 in. x 4.56 in. (7.0 cm x 11.58 cm) (single gang)
 - 4.56 in. x 4.56 in. (11.58 cm x 11.58 cm) (double gang)
 - 1.68 in. x 4.56 in. (4.26 cm x 11.58 cm) (jamb)
1. Mounting: Wall mounted within a single gang or double gang electrical conduit box or recessed within the door jamb.
 2. Thermal Range Requirements: - 22°F (-30°C) to 158°F (70°C)
 3. Sensor shall be capable of detecting motion from 2 in. to 24 in. (5.08 cm to 61 cm)
 4. Sensor shall not detect presence of a stationary object
 5. Relay Output Hold Time: 1 second – 30 Seconds & pulse mode options.
 6. Certifications: Electromagnetic compatibility (EMC) according to 2004/108/EC, FCC: G98-MS08, IC: 4680A-MS08.
 7. Sensor shall be NEMA 4 rated and be capable of being installed in interior or exterior environments.
 8. Signaling: Adjustable audible alert to signal activation (field selectable) and visual alert switching from blue to green when activated.
 9. Four-wire conductor, 18 gauge minimum 12-24V AC/DC Power.
 10. Finish: Stainless steel faceplate with black lettering (Wave to Open). Backlight Acrylic window.

Note to Specifier:

10MS11S – Single Gang Face Plate
10MS11D – Double Gang Face Plate
10MS11J – Jamb Style Face Plate

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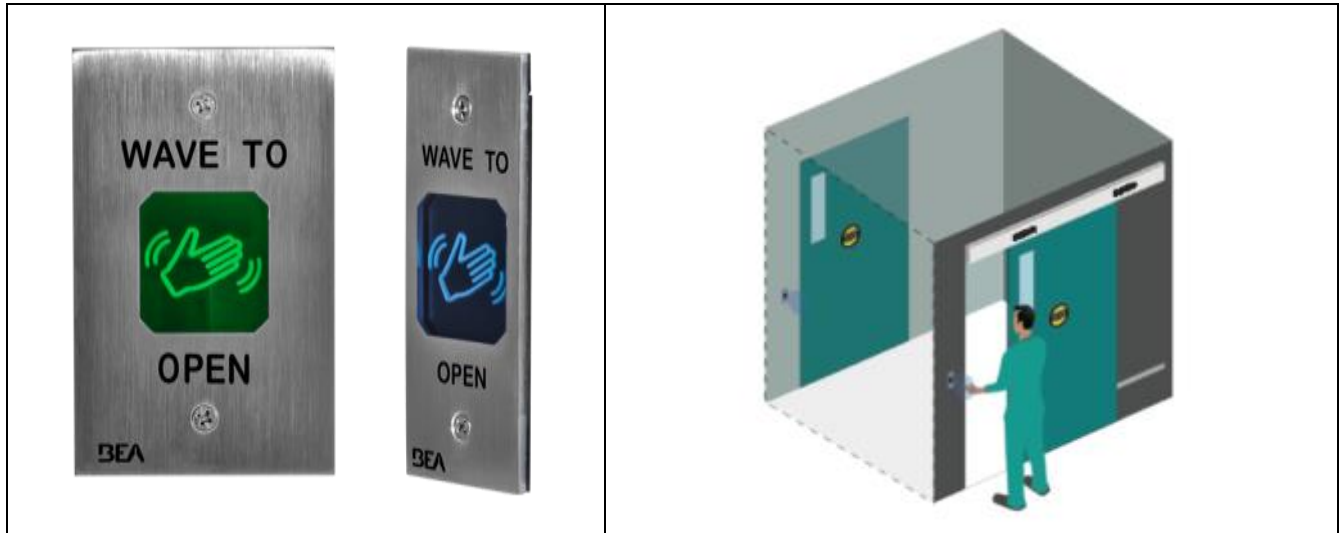
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Product image and Application Photo



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Technical Specs:

Technology Radiated Frequency Transmitter Radiated Power Radiated Power Density	K-Band Microwave Doppler Radar 24.125 GHz < 20 dBm EIRP < 5 mW/cm ²
Detection Mode	Motion (bidirectional)
Detection Range	2 in. to 24 in. (5.08 cm to 61 cm) (adjustable)
Output Max. Voltage Max. Current Max. Switching Power	Relay with switch-over contact (free of potential) 60 VDC; 125 VAC 1 A (resistive) 30 W (DC); 60 VA (AC)
Output Hold Time	1- 30 seconds
Enclosure Rating	NEMA 4

Supply Frequency	50 to 60 Hz
Supply Voltage	12 to 24 VAC \pm 5% 12 to 24 VDC + 30%; - 10%
Power Consumption	< 2.8 W
Material / Colors	Stainless Steel, Acrylic
Cable Type	Standard cable up to 16 AWG - 1.5 mm ²
Temperature Range	-22°F to 158°F (-30°C to 70°C)
Certifications	EMC: 2004 / 108 / EC; FCC: G9B-MS08; IC: 4680A-MS08

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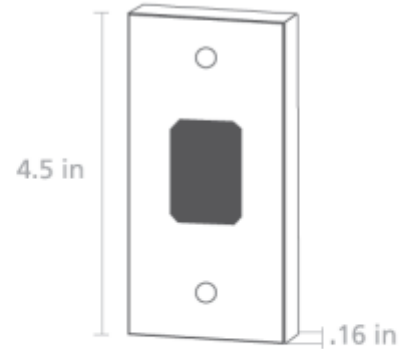
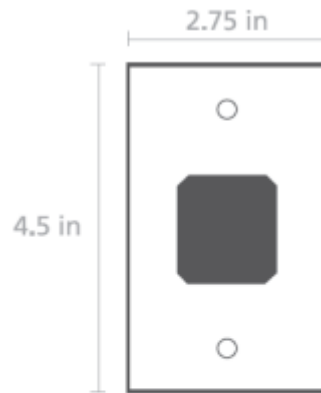
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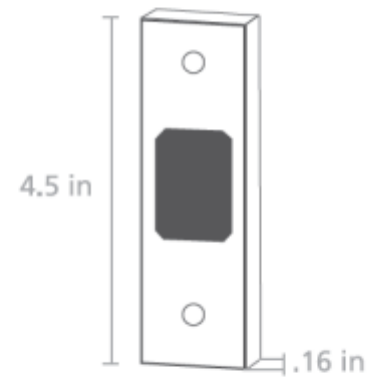
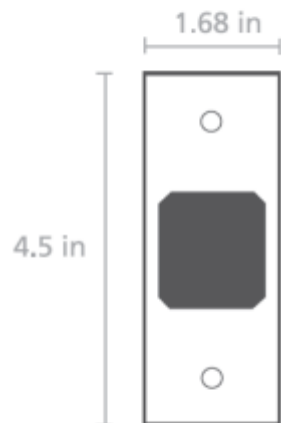
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Dimensions:

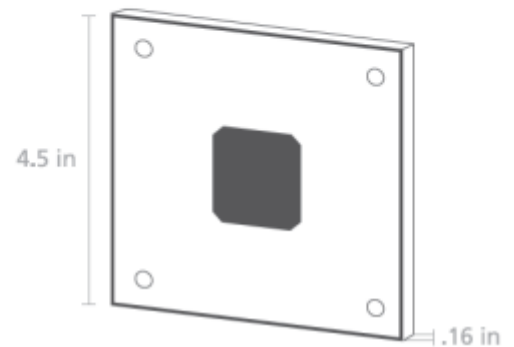
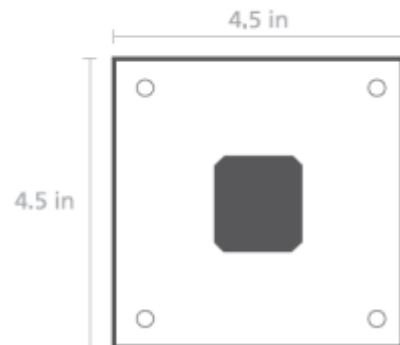
Single



Jamb



Double



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