



BEA Architectural Specification SHEET

Automatic and Industrial Door Solutions: MS21 Touchless Activation

Product Specifications

Sensor shall be a hands free activation device designed to detect the presence of a hand and send an electrical signal to the door operator to open the door, re-open or hold a door open. Must utilize capacitive-based technology and include a means of touch detection and an illuminated back-plate for visibility. The sensor must have an adjustable range out to four (4) inches.

Touchless Switch specification is based upon the MS21 Capacitive Motion Proximity Sensor Face Plate Dimensions: 6 in. round or 4.75 in. square (15.24 cm to 12 cm)

1. Mounting: Wall mounted within a single gang or double gang electrical conduit box.
2. Thermal Range Requirements: -20°F to 120°F (-29°C to 49°C)
3. Sensor shall be capable of detecting presence out to 4 in. (10.16 cm)
4. Sensor shall detect presence of an object (human hand) and respond to touch detection
5. Relay Output Hold Time: 1 Form A solid state relay; 0.4 A, 60 VAC / VDC (Max.)
6. Certifications: NEMA 4 rated enclosure
7. Sensor must be capable of being installed in interior or exterior environments.
8. Five wire conductor, 18 gauge minimum 12-24V AC/DC Power.
9. Sensor must be low profile and protrude no farther than .55" (1.4 cm) from the wall
10. Finish: Faceplate – 304 grade stainless steel
Backplate – Clear Polycarbonate (Mounting Ring, Backplate and Enclosure)

Note to Specifier:

- 10MS21HR1 6" round text and logo
- 10MS21HR 6" round text only
- 10MS21HRL 6" round logo only
- 10MS21HS1 4.75" Square text and logo
- 10MS21HS 4.75" square text only
- 10MS21HSL 4.75" square logo only

BEA Inc.
RIDC Park West
100 Enterprise Drive
Pittsburgh, PA 15275-1213

Phone: 1.800.523.2462
Fax: 1.888.523.2462

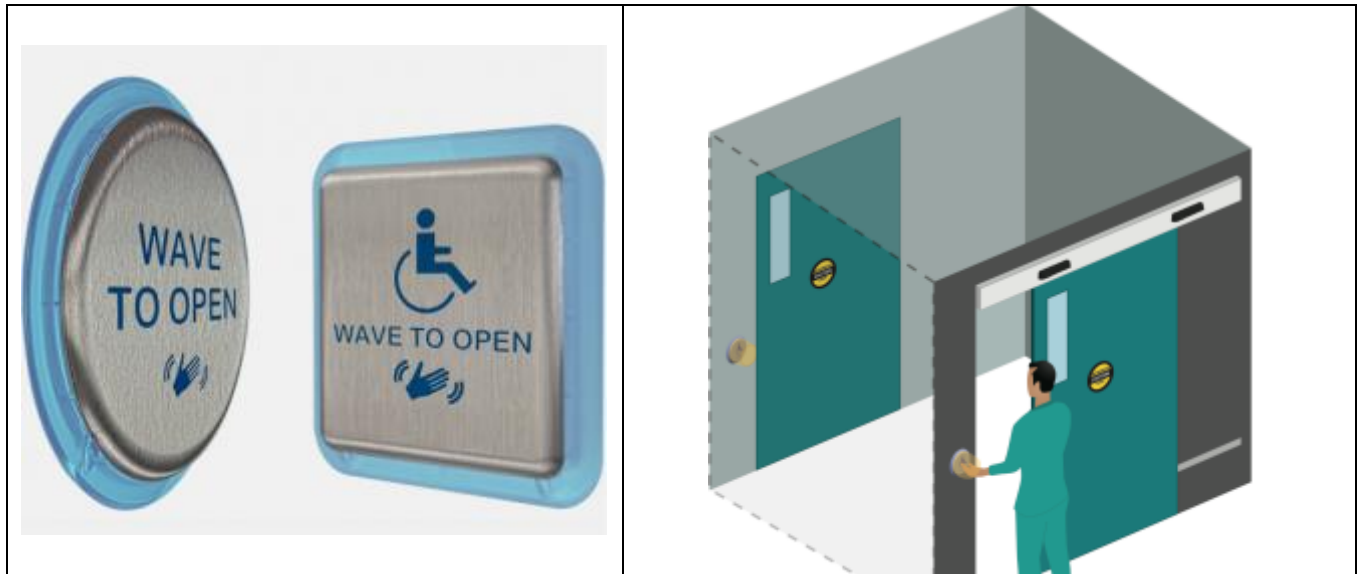


AAADM Member
American Association of
Automatic Door Manufacturers

A HALMA COMPANY



Product image and Application Photo



Technical Specs:

Technology Type	Capacitance
Detection Mode	Proximity
Supply Voltage	12 to 24 VAC / VDC; $\pm 10\%$
Current Consumption	37 mA
Temperature Range	-20°F to +120°F
Degree of Protection	NEMA 4
Detection Zone	Maximum detection zone of up to 4 inches* Detection zone is dependant on: Size (area) of an object orientation of an object speed of an object environmental conditions
Relay	1 Form A solid-state relay; 0.4 A, 60 VAC / VDC (Max.)
Cable Length	6 inches (5 conductor)
Material	Stainless Steel (faceplate) Clear Polycarbonate (Mounting Ring, Backplate and Enclosure)

BEA Inc.
RIDC Park West
100 Enterprise Drive
Pittsburgh, PA 15275-1213

Phone: 1.800.523.2462
Fax: 1.888.523.2462

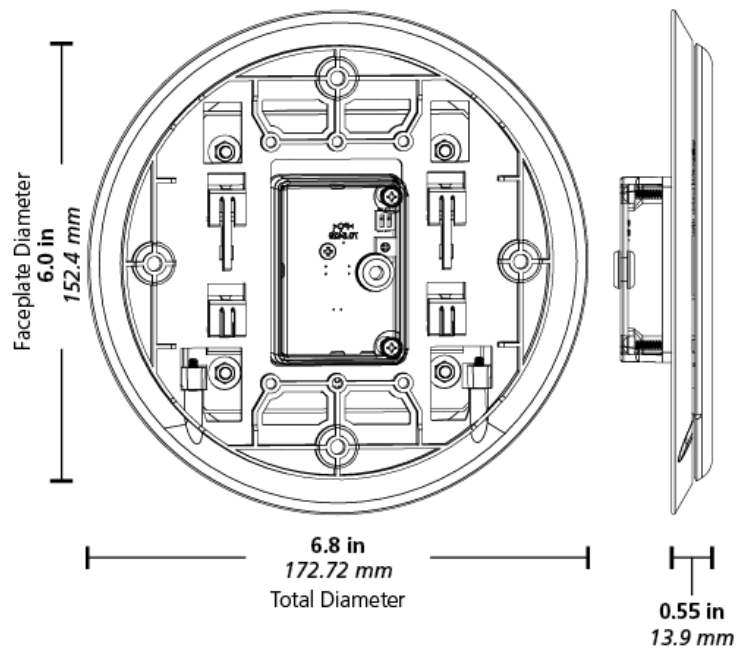


AAADM Member
American Association of
Automatic Door Manufacturers

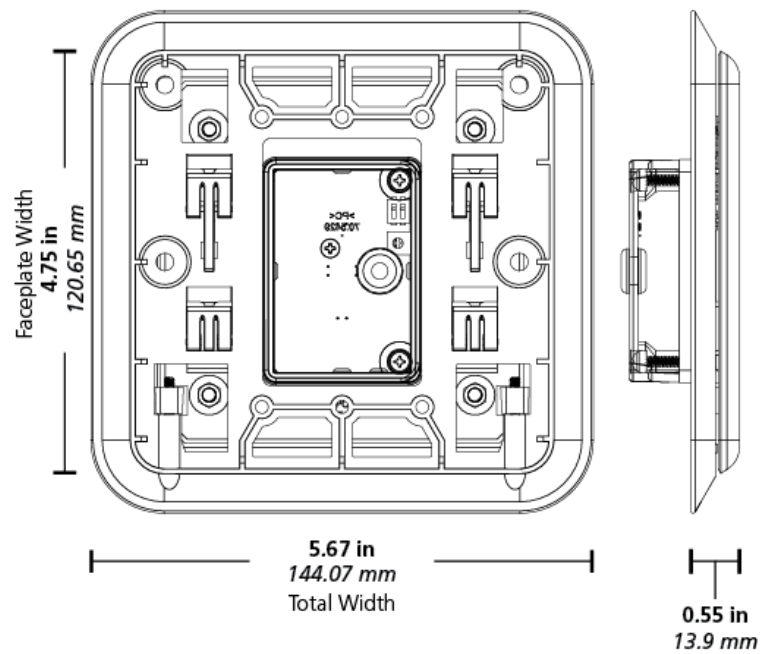
A HALMA COMPANY



Dimensions:



MS21HR Series



BEA Inc.
RIDC Park West
100 Enterprise Drive
Pittsburgh, PA 15275-1213

Phone: 1.800.523.2462
Fax: 1.888.523.2462



AAADM Member
American Association of
Automatic Door Manufacturers

A HALMA COMPANY