



## MS09

IP65 RATED, MICROWAVE  
TOUCHLESS ACTUATOR



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### TECHNOLOGY



### CERTIFICATIONS

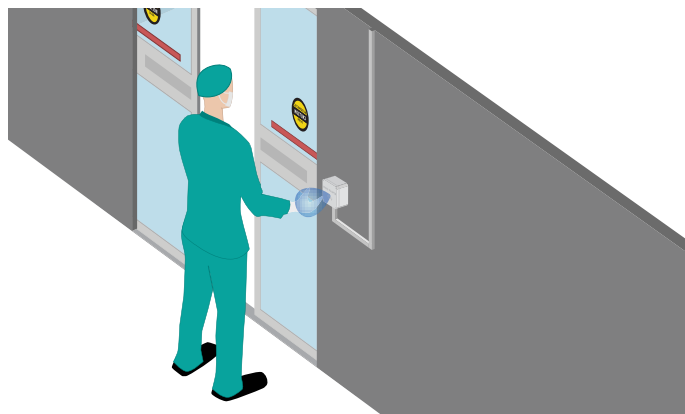


### DESCRIPTION

BEA's IP65 rated **MS09** is a touchless activation device with an adjustable detection zone designed for harsh and industrial environments.

The surface mount **MS09** utilizes microwave motion technology to ensure consistent and dependable activation. Conduit connectivity ensures a watertight installation in harsh environments and wash-down facilities.

The **MS09** detects moving objects such as a hand, pallet jack or forklift and is ideal for applications requiring a touchless activation method including hospitals, pharmacies, clean rooms and food services.

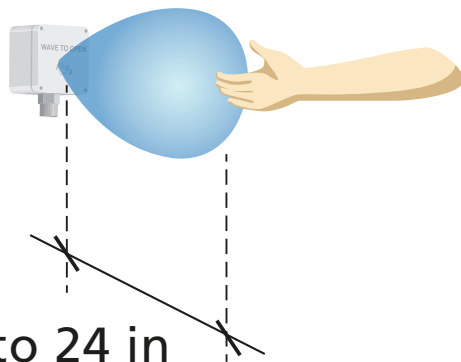


### Weather-Resistant Housing

IP65 enclosure capable of use in industrial and extreme environments, as well as washdown facilities

### Adjustable Detection Zone

User defined detection zone from 4 – 24 inches (pulse or toggle)



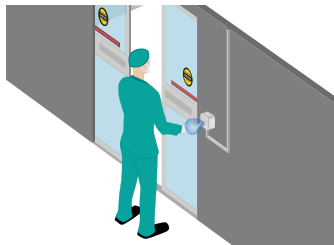
### Appropriate For All Environments

Can be used in a variety of indoor and outdoor applications.

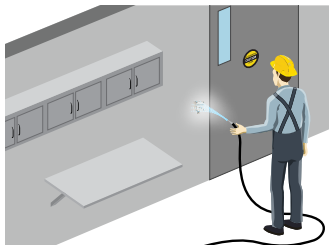
### No Mounting Accessories Needed

External mounting boxes are not required

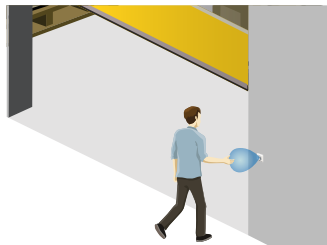
## APPLICATIONS



Clean Rooms



Washdown Areas



Industrial Environment

## 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>Sensing Zone**</b>	4 – 24" (adjustable)
<b>Output</b>	Relay with switch-over contact (free of potential)
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 s (in pulse mode)
<b>Supply Voltage</b>	12 – 24 VAC ±10% 12 – 24 VDC 30% / -10%
<b>Power Consumption</b>	< 1.2 W
<b>Material / Colors</b>	ABS / PC, White
<b>Cable Type</b>	Compatible with standard, 4-conductor low voltage cable (cable not supplied)
<b>Temperature Range</b>	-4 – 131 °F
<b>Degree of Protection</b>	IP65
<b>Norm Conformance</b>	EMC: 2004 / 108 / EC FCC: G9B-MS08 / 2ABW5-10TD900PB IC: 4680A-MS08 / 4680A-10TD900PB
<b>Dimensions</b>	3.15" (W) × 3.23" (H) × 2.165" (D)

\*\* See User's Guide

## PRODUCT SERIES



**10MS09TL**  
Text & Logo faceplate



**10MS09L**  
Logo only faceplate



**10RD900**  
900 MHz Receiver module



**10TD900TR**  
900 MHz retrofit transmitter

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