



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.

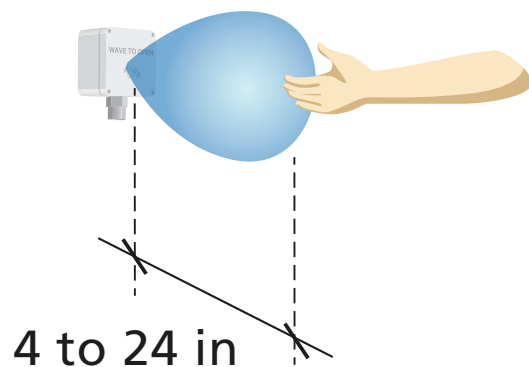


Weather-Resistant Housing

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)



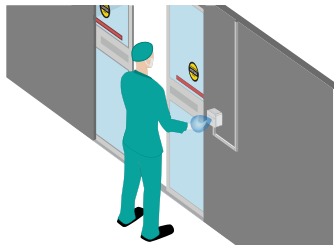
Appropriate For All Environments

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

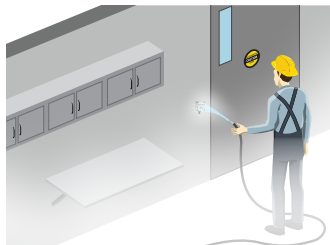
No Mounting Accessories Needed

External mounting boxes are not required

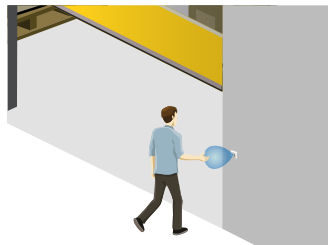
APPLICATIONS



Clean Rooms



Washdown Areas



Industrial Environment

TECHNICAL SPECIFICATIONS

TECHNOLOGY / PERFORMANCE

Technology	microwave Doppler radar
Detection mode	motion (bidirectional)
Detection range*	4 – 24" (adjustable)
Product temperature range	-4 – 131 °F (-20 – 55 °C)
Output hold time	0.5 s (in pulse mode)

ELECTRICAL

Supply voltage**	12 – 24 VAC $\pm 10\%$ 12 – 24 VDC $+30\%$ / -10%
Supply frequency	50 – 60 Hz
Radiated frequency	24.125 GHz
Radiated power density	$< 5 \text{ mW/cm}^2$
Power consumption	$< 1.5\text{W}$
Output	relay with switch-over contact (voltage-free)
relay contact rating (max. voltage)	60 VDC / 125 VAC
relay contact rating (max. current)	1A (resistive)
max. switching power	30 W (DC) / 60 VA (AC)
Cable type	Compatible with standard, 4-conductor low voltage cable (cable not supplied)

PHYSICAL

Dimensions	3.15" (W) \times 3.23" (H) \times 2.165" (D)
Material / Color	Enclosure: PC / white Cable gland: ASA
Weight	0.5 lbs

COMPLIANCE

IP rating	IP65
Certification	Electromagnetic compatibility (EMC) according to 2004/108/EC FCC: G9B-210161 IC: 4680A-210161

* Detection range is dependent upon object size, object orientation, object speed, and environmental conditions.

** to be operated from SELV-compatible power supplies only

PRODUCT SERIES



10MS09TL
Text & Logo faceplate



10MS09L
Logo only faceplate



10RD900
900 MHz Receiver module



10TD900TR
900 MHz retrofit transmitter

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