



MS41

Touchless activation plate for areas needing highly accessible and germ-free activation.



Reliable Detection

Microwave Doppler Radar technology provides consistent detection, no matter the environment



Adjustable Range

Adjustable sensing zone from 4 – 24 inches (timed or toggle)



IP Rating for Harsh Environments

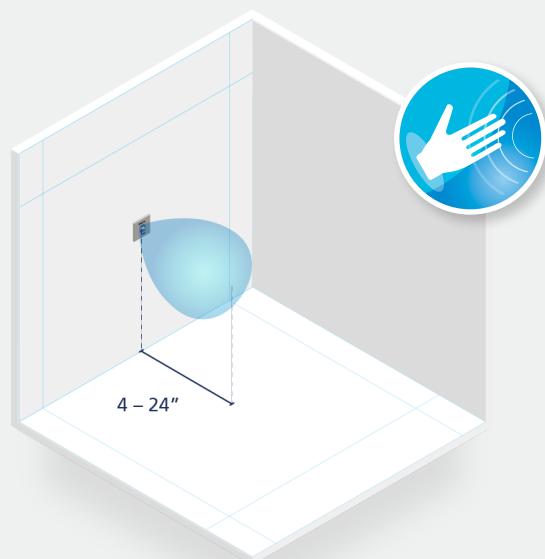
IP55 rated enclosure capable of use in industrial and extreme wash-down environments



Robust Design

Stainless steel faceplate and robust design for tough operating conditions

TECHNOLOGY



MICROWAVE DOPPLER RADAR

Radar technology, also called microwave technology, is based on the Doppler Effect. The radar sensor continuously emits microwaves with a certain frequency in a defined area. These microwaves are reflected back to the sensor by all of the objects present in its environment.

Common Objects:

- Hand
- Wheelchair
- Cart

Once movement occurs in the detection field, the microwaves come back to the sensor with a different frequency, resulting in a detection.

▼ COMMON APPLICATIONS



Low Energy Door

REQUEST-TO-EXIT

Program '2-relay sequencer + door position' to increase security and accessibility.

Related Products:

- MS41
- FLY KIT
- BR3-X (function 28)
- UL LISTED MAGLOCK or ELECTRIC STRIKE



Healthcare Environments

EASY RETROFIT

Retrofit transmitter eliminates the need for additional power wires, making retrofitting easy.

Related Products:

- MS41
- TD900TR retrofit transmitter



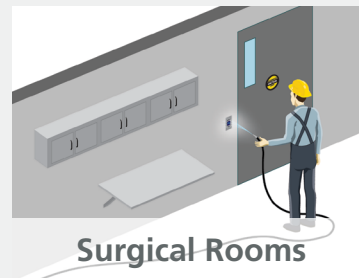
Sterile Facilities

INTERLOCK SEQUENCING

Adding logic provides sequencing to allow access through one door at a time.

Related Products:

- MS41
- BR3-X (function 50)



Surgical Rooms

WASH-DOWN RESISTANT

IP rating helps keep the critical electrical components safe from environmental damage over time.

Related Products:

- MS41

▼ TECHNICAL SPECIFICATIONS

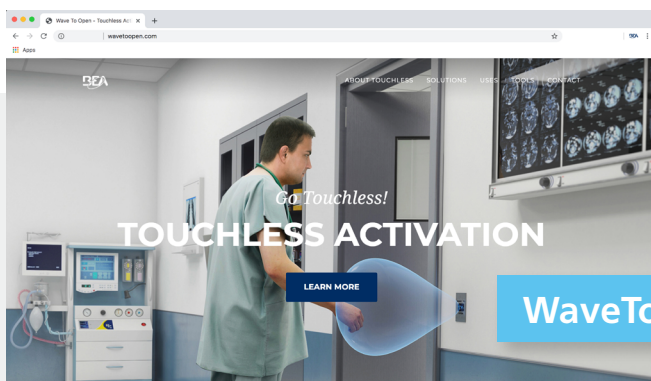
Technology	Microwave Doppler Radar
Radiated Frequency	24.125 GHz
Radiated Power Density	< 5 mW/cm ²
Detection Mode	Motion (bidirectional)
Output	Relay with switch-over contact (voltage-free)
Max. Contact Voltage	60 VDC / 125 VAC
Max. Contact Current	1A (resistive)
Max. Switching Power	30W DC / 60 VAC
Output Hold Time	0.5 – 30 s
Supply Frequency	50 – 60 Hz
Supply Voltage	12 – 24 VAC ±10% 12 – 24 VDC +30% / -10%
Power Consumption	< 1.5 W
Weight	0.34 lbs

Material	Stainless Steel
Temperature Range	-4 – 131 °F
IP Rating*	IP55 Apply silicone to achieve IP65
Certification	EMC: 2004 / 108 / EC, FCC: G9B-210161, IC: 4680A-210161
Dimensions**	
Single Gang	4 ½" (H) × 2 ¾" (W) × 9/50" (T)
Double Gang	4 ½" (H) × 4 ½" (W) × 9/50" (T)
Round	6" (D) × 9/50" (T)
Cube	2.047" (H) × 2.047" (W) × 1.093" (T)
Mounting Compatibility***	
Single Gang	10BOX24SGSM, 10ABOXSGSMS
Double Gang	10BOXDGSMS, 10BOX45SQSM, 10BOX45SQFM, 10BOX475SQSM, 10BOX475SQFM
Round	10BOX6RNDMS, 10BOX6RNDFM

* See Users Guide

** MS41 is not compatible with some metallic cut-in electrical boxes. Please check cube dimensions prior to installation.

*** 70.5236 must be purchased with 10BOX45SQSM, 10BOX45SQFM, 10BOX475SQSM, 10BOX475SQFM, 10BOX6RNDMS, and 10BOX6RNDFM



WaveToOpen.com



Product Questions?

Call BEA's Service Team:
1.800.523.2462