

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

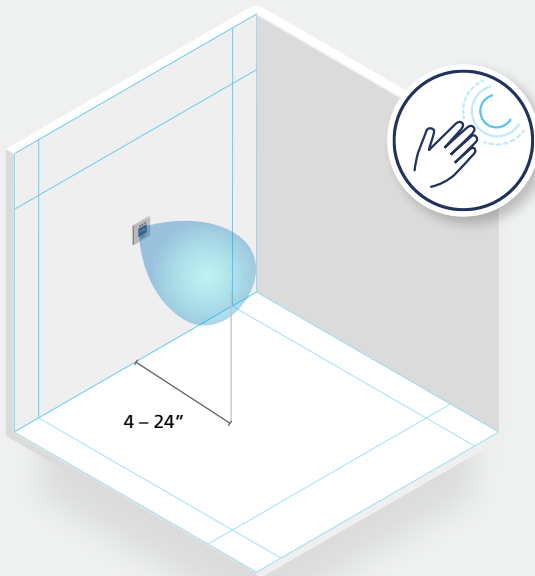
IP55 rated enclosure capable of use in industrial and extreme wash-down environments



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



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



EASY RETROFIT

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

Related Products:

- MS41
- TD900TR retrofit transmitter

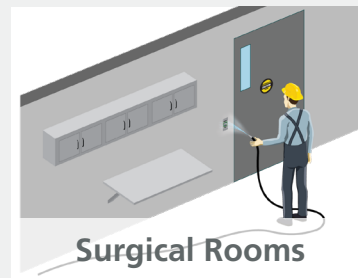


INTERLOCK SEQUENCING

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

Related Products:

- MS41
- BR3-X (function 50)



WASH-DOWN RESISTANT

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

Related Products:

- MS41

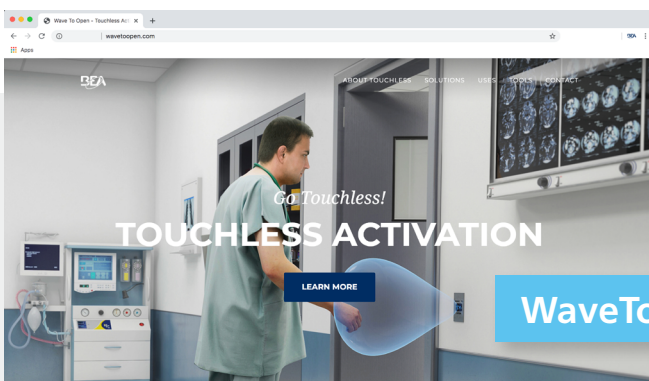
▽ TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Radiated Frequency	24.125 GHz
Radiated Power Density	< 5 mW/cm ²
Detection Mode	Motion (bidirectional)
Detection Range	4 – 24" (adjustable)
Output	Relay with switch-over contact (voltage-free)
Max. Contact Voltage	60 VDC / 125 VAC
Max. Contact Current	1A (resistive)
Max. Switching Power	30 W / 60 VA (AC)
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
Wire Gauge*	26 – 22 AWG
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 (overall)	
Single Gang	4 ½" (H) × 2 ¾" (W) × 1 ⅛" (T)
Double Gang	4 ½" (H) × 4 ½" (W) × 1 ⅛" (T)
Round	6" (H/W) × 1 ⅛" (T)
Jamb	4 ½" (H) × 1 ¾" (W) × 1 ⅛" (T)
Mounting Compatibility	
Single Gang	10MSBOXSGSM
Double Gang	10MSBOXDGS
Round	10MSBOXRNDSM
Jamb	10MSBOXJAMBSM

* Applicable to single gang, double gang, and round versions only. Harness is provided with jamb version.

** See Users Guide.



Product Questions?

Call BEA's Service Team:
1.800.523.2462