



▶ **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

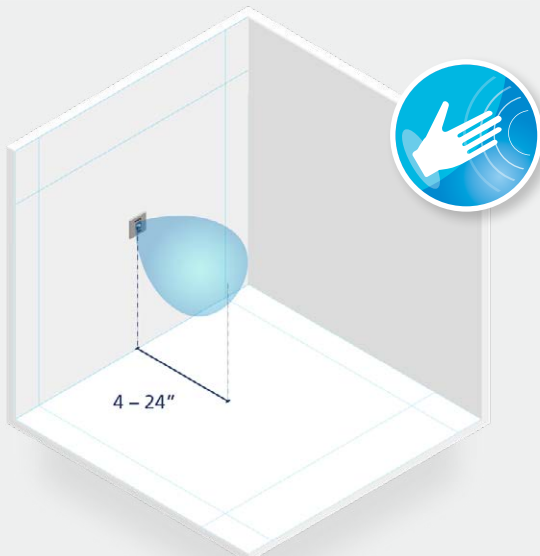
IP65 rated enclosure capable of use in industrial and extreme wash-down environments



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 retrofiting easy.

Related Products:

- MS41
- TD900TR retrofit transmitter



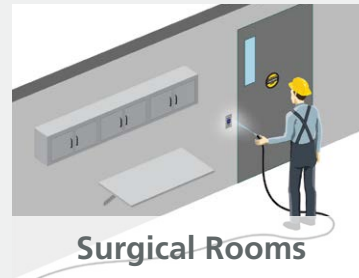
Sterile Facilities

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:

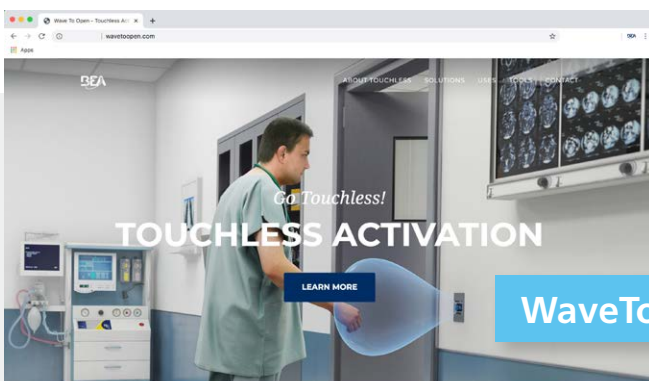
- MS41

▽ 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 1/2" (H) × 2 3/4" (W) × 9/50" (T) Double Gang 4 1/2" (H) × 4 1/2" (W) × 9/50" (T) Round 6" (D) × 9/50" (T)
Mounting Compatibility	Single Gang 10BOX24SGSM, 10ABOXSGSMS Double Gang 10BOXDGSM, 10BOX475QSM (with adapter bracket) Round 10BOX6RNDISM (with adapter bracket)

* See Users Guide



Product Questions?

Call BEA's Service Team:
1.800.523.2462