

# Premium Touchless



## HAND-E-WAVE™

Essex Hand-E-Wave switches are professional grade, hands free door actuators, designed to help reduce the spread of viruses, bacteria and infectious diseases.



HEW-1SQ



HEWMO-2

- ▶ Advanced Doppler Radar Technology
- ▶ Ruggedized Low Profile Design
- ▶ Stainless Steel Construction
- ▶ Easy to Clean and Sanitize
- ▶ Visual and Audio Feedback
- ▶ Adjustable Detection Zone
- ▶ Timed or Toggle Output
- ▶ Narrow, Single or Double Gang
- ▶ Customization Options
- ▶ Optional Manual Override

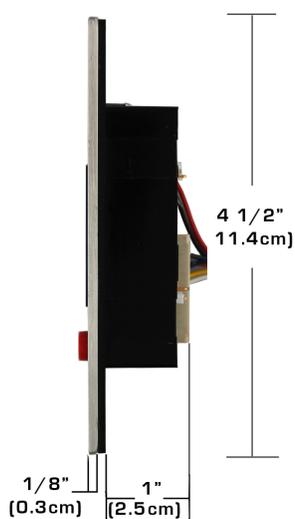
**Hand-E-Wave™** is a ruggedized touchless switch with advanced 24GHz Doppler Radar technology. Ideal for use in public areas where sanitation is a concern including healthcare, education, commercial corporate and retail facilities, Hand-E-Wave's hands free operation helps to reduce the spread of germs including viruses, bacteria, and infectious diseases. Hand-E-Wave utilizes bidirectional microwave motion detection which provides consistent switch activation. Its recessed design and stainless steel faceplate make it easy to clean and sanitize. An optional manual override (HEWMO) is available for emergency egress applications.



**HEW-2S**



**HEW-3SQ**



**Side View**

## Features

### Rugged Design

Epoxy coated electronics for enhanced protection in harsh environments.

### Vandal Resistant Construction

1/8" Stainless Steel faceplate.  
Low profile recessed design.

### Advanced Touchless Switch Technology

Hand-E-Wave utilizes 24GHz Doppler Radar Technology. A moving hand, wheelchair or cart within the detection zone activates the switch.

### Visual/Audio Feedback

Visual and selectable On/Off Audio when motion is detected within the detection zone. Illuminated hand symbol changes from standby blue to relay on green.

### Mounting Method

HEW-1: Narrow/Jamb. Flush mount or add spacer ring (HEWSR-1) for surface mount.

HEW-2: Single Gang. Flush mount to a single gang switchbox or add BAK BOX-SGE for surface mount.

HEW-3: Double Gang. Flush mount to a double gang switchbox or add BAK BOX-DGE for surface mount.

### Customization Options

Laser marked faceplate graphics in black.  
Custom illuminated logo engraved in lens.

### Patent Pending

## Specifications

### Power Requirements

12 to 24VAC/DC  
300mw Standby, 600mw Relay On

### Outputs

One SPDT Relay  
2A 30VDC Resistive, 1/2A 125VAC  
Field selectable Timed or Toggle Output  
Adjustable Relay Hold Time: 1 to 30 seconds  
HEWMO: Adds fail safe to NC contacts and a timed 0.5 to 60 second Manual Override button.

### Microwave Motion Sensor Technology

Radiated Frequency: 24.125 GHz  
Transmitter Radiated Power: <20 dBm EIRP  
Radiated Power Density: <5 mW/cm<sup>2</sup>

### Detection Zone

Adjustable 2 to 24 inches (typical)

### Detection Mode

Motion (bidirectional)

### IP Rating

HEW: IP65 HEWMO: IP64

### Operating Temperature

-40°F to + 180°F [-40°C to + 82°C]

### Dimensions

	Height	Width	Depth
HEW/HEWMO - 1	4 1/2"	1 3/4"	1 1/4"
HEW/HEWMO - 2	4 1/2"	2 3/4"	1 1/4"
HEW/HEWMO - 3	4 1/2"	4 1/2"	1 1/4"

### Weight

HEW/HEWMO - 1	5 oz [142 gm]
HEW/HEWMO - 2	7.1 oz [200 gm]
HEW/HEWMO - 3	12.8 oz [363 gm]

### Certifications

FCC

## ORDERING GUIDE

Essex Part No.	Description
<b>HEW - 1</b>	Narrow/Jamb, Hand-E-Wave™, Stainless, Clipped Corners (Limited Stock)
<b>HEW - 2</b>	U.S. Single Gang, Hand-E-Wave™, Stainless, Clipped Corners (Limited Stock)
<b>HEW - 1SQ</b>	Narrow/Jamb, Hand-E-Wave™, Stainless, Square Corners (MS11J Replacement)
<b>HEW - 2SQ</b>	U.S. Single Gang, Hand-E-Wave™, Stainless, Square Corners (MS11S Replacement)
<b>HEW - 3SQ</b>	U.S. Double Gang, Hand-E-Wave™, Stainless, Square Corners (MS11D Replacement)
<b>HEWMO - 1</b>	Narrow/Jamb, Hand-E-Wave™, Stainless, Radius Corners with Manual Override
<b>HEWMO - 2</b>	U.S. Single Gang, Hand-E-Wave™, Stainless, Radius Corners with Manual Override
<b>HEWMO - 3</b>	U.S. Double Gang, Hand-E-Wave™, Stainless, Radius Corners with Manual Override
<b>HEWSR - 1</b>	Surface Mount Black Spacer Ring for Narrow HEW's
<b>BAK BOX-SGE</b>	Surface Mount Grey Extension Back Box for Single Gang HEW's



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LHEW.0221R1 Specifications are subject to change without prior notice.



**HEWSR-1**



**BAK BOX-SGE**



Proudly Made in the USA