

Stainless Touchless Switch



HAND-E-WAVE™



- ▶ Touchless Microwave Technology
- ▶ All Weather IP 66 Rated
- ▶ Stainless Steel Construction
- ▶ Resistant to Commercial Cleaners
- ▶ Audio & Visual Feedback
- ▶ Adjustable Detection Range
- ▶ Timed or Toggle Output
- ▶ Low Profile Recessed Design
- ▶ Narrow or Single Gang
- ▶ Custom Graphics Available

 **Essex
Electronics**
1-800-KEYLESS keyless.com

Hand-E-Wave™ is a rugged, touchless switch built with advanced microwave technology. Ideal for use in sterile environments such as hospitals, food processing plants and clean rooms, Hand-E-Wave's recessed design and stainless steel construction make it easy to clean and sanitize. Touchless switch activation helps reduce the spread of bacteria and infectious diseases.



HEW-1



HEW-2

Features

All Weather Design

Epoxy encapsulated electronics provides superior protection in harsh environments.

Vandal Resistant Construction

1/8" Stainless steel faceplate and low profile recessed design.

Touchless Switch Technology

Hand-E-Wave utilizes advanced Microwave Technology and the Doppler Radar effect. Motion within the detection range activates the switch.

Audio/Visual Feedback

Audio and visual indication when motion is detected within the detection zone. Illuminated hand symbol changes from standby blue to relay on green.

Mounting Method

HEW-1: Mullion mount. Flush mount or optional spacer ring (PRXSR) for surface mount installation.
HEW-2: Single Gang. Flush mount to a single gang switchbox or optional Backbox (BAK BOX-SGS) for surface mount installation.

Custom Graphics Available

Contact Essex for information.

Specifications

Power Requirements

5VDC or 12 to 24VAC/DC
300mw Standby, 600mw Relay On

Outputs

One SPDT Relay
2A 30VDC Resistive, 1/2A 125VAC
Field selectable Output Mode: Toggle or Adjustable Output Time 1 to 30 seconds

Microwave Motion Sensor Technology

Radiated Frequency: 24.125 GHz
Transmitter Radiated Power: <20 dBm EIRP
Radiated Power Density: <5 mW/cm²

Detection Range

Adjustable 2 to 24 inches (typical)

Detection Mode

Motion (bidirectional)

Operating Temperature

-40°F to + 180°F (-40°C to + 82°C)

Operating Humidity

100% Relative Humidity

Operating Environment

IP66 Rated

Dimensions

	Height	Width	Depth
HEW-1	4 1/2"	1 3/4"	1 1/8"
HEW-2	4 1/2"	2 3/4"	1 1/8"

Weight

HEW-1	5 oz (142 gm)
HEW-2	7.1 oz (200 gm)

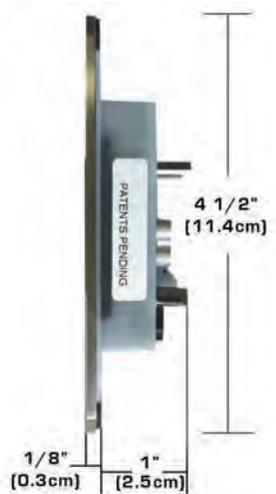
ORDERING GUIDE

Essex Part No.

Description

HEW - 1	Narrow Style, Hand-E-Wave™ Touchless Stainless Steel Switch
HEW - 2	U.S. Single Gang, Hand-E-Wave™ Touchless Stainless Steel Switch
PRXSR	Surface Mount Spacer Ring for HEW-1
BAK BOX-SGS	Surface Mount Back Box for HEW-2

Patents Pending



Side View



PRXSR



BAK BOX-SGS



Scan for more information.



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