

# 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](http://keyless.com)

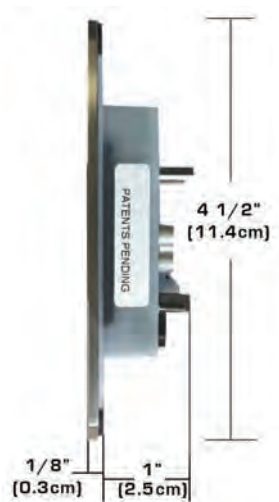
**Hand-E-Wave™** is a rugged, touchless switch built with advanced microwave technology. Ideal for use in sterile environments such as hospitals, food processing plants and clean rooms, Hand-E-Wave's recessed design and stainless steel construction make it easy to clean and sanitize. Touchless switch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



HEW-1



HEW-2



Side View

### 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



PRXSR



BAK BOX-SGS

#### Patents Pending



Scan for more information.



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Specifications are subject to change without prior notice.



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