Stainless Touchless Switch

- 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

HAND-E-WAVE™

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.

Features

All Weather Design
Epoxy encapsulated electronics provides superior protection in harsh environments.

Vandal Resistant Construction
¼“ 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, ½A 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

<table>
<thead>
<tr>
<th></th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEW–1</td>
<td>4⅜”</td>
<td>1⅜”</td>
<td>1⅛”</td>
</tr>
<tr>
<td>HEW–2</td>
<td>4⅜”</td>
<td>2⅜”</td>
<td>1⅛”</td>
</tr>
</tbody>
</table>

Weight

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>HEW–1</td>
<td>5 oz  [142 gm]</td>
</tr>
<tr>
<td>HEW–2</td>
<td>7.1 oz [200 gm]</td>
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</tbody>
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Patents Pending

Ordering Guide

<table>
<thead>
<tr>
<th>Essex Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEW – 1</td>
<td>Narrow Style, Hand-E-Wave™ Touchless Stainless Steel Switch</td>
</tr>
<tr>
<td>HEW – 2</td>
<td>U.S. Single Gang, Hand-E-Wave™ Touchless Stainless Steel Switch</td>
</tr>
<tr>
<td>PRXSR</td>
<td>Surface Mount Spacer Ring for HEW-1</td>
</tr>
<tr>
<td>BAK BOX–SGS</td>
<td>Surface Mount Back Box for HEW-2</td>
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</tbody>
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Scan for more information.