**Single Pole Electrical Switch**

- Stem Travel: 1/8" (3.2)
- Rating A.C.: 120 volts - 15 amperes  
  240 volts - 15 amperes  
  480 volts - 15 amperes
- Rating D.C.: 125 volts - 0.5 amperes  
  250 volts - 0.25 amperes
- Mounting: #15/32-32 thread; nut and lockwashers furnished, also two 0.140" dia. mounting holes in body
- Approvals: UL and CE

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES-1</td>
<td>Single Pole, Double Throw Snap-Action Electrical Switch</td>
</tr>
<tr>
<td>15601</td>
<td>Terminal Cover</td>
</tr>
</tbody>
</table>

**Pneumatic Electric Switches**

- Electrical Rating: 60 ma. AC resistive 40 ma. DC resistive @ 120 volts
- Switching Speed: 125 Hz, Normally-Open
- Actuating Pressure: 3" H2O 10% pressure vacuum, or DP
- Maximum Pressure: 8 psig (continuous)
- Construction: ABS plastic case gold plated contacts  
  natural rubber diaphragm
- Use: For interfacing fluidic or other low pressure air signals with  
  Electronic circuitry dual inputs  
  operates on pressure, vacuum, or  
  differential pressure signals

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<tr>
<td>5100-3-NO</td>
<td>Pneumatic Electric Switch, Normally-Open Contacts</td>
</tr>
<tr>
<td>5100-3-NC</td>
<td>Pneumatic Electric Switch, Normally-Closed Contacts</td>
</tr>
</tbody>
</table>

**CUSTOMer solutions**

Needle valves are common in controlling the flow of fluids and gases. This special needle valve uses a “D” stem for adapting to standard panel knobs. It also incorporates a special left-handed thread to provide a more intuitive clockwise movement to increase flow of the back for ease-of-assembly in a tight space. It also incorporates a special toggle to match the customers’ aesthetic requirements.

A combination assembly using a toggle or push button operator and Clippard’s pressure-actuated electrical switches provides a simultaneous air and electrical output.

This air-piloted valve is designed for a water application where limited space is available.

Alternate materials, seals and/or lubrication are for specific applications are common (and welcomed) requests at Clippard. Stainless steel, aluminum, plastic or brass. All available, just ask!

For more information, visit [www.clippard.com/customsolutions](http://www.clippard.com/customsolutions)