The Series 861H Hazardous Rated Solid State Relay provides reliable switching and long life operation in some of the most demanding applications, such as medical equipment, mining, oil and gas. It integrates an internal heat sink and internal snubber into a compact housing to save space in the panel. In order to reduce installation time, integral tabs can be used to snap the relay onto a DIN rail or surface mount to a wall inside the panel. LED indicator lights give the user quick visual indication of the switch status. The 861H is intrinsically safe rated for Class 1, Division 2 Groups A, B, C and D.

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Voltage Range</th>
<th>Rated Current Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>861HSSR210-AC-1</td>
<td>80 to 280 VAC</td>
<td>10 amp</td>
</tr>
<tr>
<td>DC Operated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>861HSSR115-DD</td>
<td>3.5 to 32 VDC</td>
<td>15 amp</td>
</tr>
<tr>
<td>861HSSR210-DC-1</td>
<td>3 to 32 VDC</td>
<td>10 amp</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Load Voltage Range:** 24 to 600 VAC; 3 to 150 VDC.
- **Sensor Current:** 15 A max.
- **Electrical Connection:** Screw terminals.
- **Switching Operation:** SPST normally open.
- **Switching Type:**
  - DD: DC switching;
  - AC/DC: Zero cross.
- **Temperature Limits:**
  - Storage: -22 to 176°F (-30 to 80°C);
  - Operation: -40 to 212°F (-40 to 100°C).
- **Voltage Loss:** 1.6 VDC max.
- **Output Leakage Current:** 10 mA max.
- **Housing:** Polycarbonate.
- **Hazardous Classification:** Class 1 Division 2; Hazardous Locations: Groups A, B, C and D.
- **Weight:** 4.1 oz (127.1 g).
- **Agency Approvals:** RoHS, UR, URc.

The ANE-1 Differential Pressure Anemometer is a robust and durable bi-directional anemometer with no moving parts or sensing electronics. With the installed tubing, the ANE-1 connects easily to any manometer or applicable pressure sensing device and is capable of measuring a wide velocity range. The air velocity range and accuracy is dependent on the installed manometer, and the ANE-1 retains the accuracy as long as it is dust free. The ANE-1 is made from high quality ABS plastic, comes with a convenient handle, and includes 5’ of blue and 5’ of red silicone tubing (2 mm ID x 4.5 mm OD) with removable adapter sized 2 mm OD to 3/16” OD that has two removable 5’ clear silicone 3/36” ID x 3/8” OD tubing versatile process options.

<table>
<thead>
<tr>
<th>Model</th>
<th>ANE-1 Differential Pressure Anemometer</th>
<th>Bi-Directional Anemometer, No Sensing Electronics</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Model ANE-1, Differential Pressure Anemometer**

**SPECIFICATIONS:**

- **Service:** Clean air only.
- **Wetted Materials:** Anemometer: ABS; Tubing: Silicone; Handle: Phenolic.
- **Dimensions:**
  - Tubing: 2 mm ID x 4.5 mm OD;
  - Adapter: 2 mm OD to 3/16” OD connections.
- **Temperature Limits:** 23 to 122°F (-5 to 50°C).
- **K-Factor:** 0.843
- **Process Connections:** 2 removeable 5” (12.7 cm) tubing 3/16” ID.
- **Weight:** 7.7 oz (220 g).