**Dwyer Instruments, Inc.**

**Differential Pressure Switches**

Our highest precision conventional large diaphragm pressure switch provides maximum dependability. In addition, it incorporates a visible set point indicator for maximum convenience. UL and CSA listed, FM approved for general service, these switches are suitable for most applications in air conditioning and industrial service. Electrical capability of 15 amps and a wide range of temperature limits make them ideal for high reliability...repetitive accuracy within ±1%.

### Specifications
- **Service:** Air and non-combustible, compatible gases.
- **Wetted Materials:** Consult factory.
- **Temperature Limits:** -30 to 130°F (-34.4 to 54.4°C).
- **Pressure Limits:** Max. 50 in w.c. (12.44 kPa) continuous, 2 psig (13.79 kPa) surge.
- **Switch Type:** 1626, single-pole double-throw (SPDT); 1627, two single-pole double-throw (SPDT).
- **Repeatability:** ±1%
- **Electrical Rating:** 15 A @ 120-480 VAC, 60 Hz. Resistive, 1/8 HP @ 125 VAC, 1/4 HP @ 250 VAC, 60 Hz.

### Operating Ranges

<table>
<thead>
<tr>
<th>Model</th>
<th>Operating Range in w.c.</th>
<th>Approximate Deadband</th>
<th>Adj. Diff. Between Set Points (1627 Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1626-1</td>
<td>1.5 to 1.5</td>
<td>0.10</td>
<td>0.20</td>
</tr>
<tr>
<td>1626-5</td>
<td>5.0 to 6.0</td>
<td>0.15</td>
<td>0.35</td>
</tr>
<tr>
<td>1626-10</td>
<td>2.0 to 11</td>
<td>0.25</td>
<td>0.65</td>
</tr>
<tr>
<td>1626-20</td>
<td>8.0 to 24</td>
<td>0.50</td>
<td>1.20</td>
</tr>
</tbody>
</table>

**Add $134.00 net**

**Accessories**

- A-489, 4" Straight Static Pressure Tip with Flange.

### Large Diaphragm Pressure Switches

Visual set point adjustment in 5 standard ranges, 0.05 in to 12 in w.c. Repetitive accuracy within ±1%

**Specifications**

- **Service:** Air and non-combustible, compatible gases.
- **Wetted Materials:** Consult factory.
- **Temperature Limits:** -30 to 110°F (-34.4 to 43.3°C).
- **Pressure Limits:** 10 psig (68.95 kPa) continuous, 25 psig (172.4 kPa) surge.
- **Switch Type:** Single-pole double-throw (SPDT).
- **Repeatability:** ±1%
- **Electrical Rating:** 15 A @ 120-480 VAC, 60 Hz. Resistive 1/8 HP @ 125 VAC, 1/4 HP @ 250 VAC, 60 Hz.
- **Electrical Connections:** 3 screw type, common, normally open and normally closed.
- **Process Connections:** 1/8” female NPT.
- **Mounting Orientation:** Diaphragm in vertical position. Consult factory for other position orientations.

### Operating Ranges

<table>
<thead>
<tr>
<th>Model</th>
<th>Operating Range, in w.c.</th>
<th>At Min. Set Point</th>
<th>At Max. Set Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>1630-0</td>
<td>0.05 to 0.25</td>
<td>0.04</td>
<td>0.05</td>
</tr>
<tr>
<td>1630-1</td>
<td>0.20 to 1.0</td>
<td>0.04</td>
<td>0.06</td>
</tr>
<tr>
<td>1630-2</td>
<td>1.0 to 3.0</td>
<td>0.06</td>
<td>0.08</td>
</tr>
<tr>
<td>1630-5</td>
<td>2.0 to 6.0</td>
<td>0.07</td>
<td>0.25</td>
</tr>
<tr>
<td>1630-10</td>
<td>3.0 to 12</td>
<td>0.11</td>
<td>0.30</td>
</tr>
</tbody>
</table>

**Add $134.00 net**

**Accessories**

- A-302F-A, 303 SS Static Pressure Tip with mounting flange. For 3/16” ID rubber or plastic tubing. 4” insertion depth. Includes mounting screws.
- A-489, 4” Straight Static Pressure Tip with Flange.

See page 587 for process tubing options.