The Series PDPS’s large diameter diaphragm and snap action switch make it dependable and ideal for OEM applications. The Series PDPS Pressure Switches are available for pressure, vacuum, and differential applications and are factory preset for pressures from 0.07” of w.c. to 1.0” of w.c. with full-scale repeatability of ±0.02” of w.c. Other features of the PDPS pressure switch include standard multi-barb port connections, inherent mounting and quick disconnect terminals, which make the Series PDPS perfect for many OEM applications.

**Specifications**

- **Service:** Air and compatible gases.
- **Wetted Materials:** Polyphenylene oxide-styrene housing, fluorosilicon diaphragm, stainless steel spring.
- **Temperature Limits:** -40 to 185°F (-40 to 85°C).
- **Operating Pressure:** 0.07 in w.c. to 1.0 in w.c.
- **Repeatability:** ±0.02” of w.c.
- **Burst Pressure:** 3.5 psi (0.241 bar).
- **Proof Pressure:** 1.0 psi (0.069 bar).
- **Switch Type:** Conventional snap action switch.

**Pressure Switches**

<table>
<thead>
<tr>
<th>Series PDPS, Pressure Switches</th>
<th>$25.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Note: All purchases must be of 25 units or more.</td>
<td></td>
</tr>
</tbody>
</table>

**Electrical Connections:** 5 A @ 125/250 VAC

**Process Connections:** Multi-barb port connections for 1/4” and 3/8” OD tubing.

**Mounting Orientation:** Mount switch with diaphragm in a vertical position unless customer has specified otherwise.

**Set Point Adjustment:** Set point adjusted at factory.

**Weight:** 2.7 oz (76.5 g).

### Series 1700 Differential Pressure Switches

**Competitively priced limit switch combines fast, simple installation with quality construction and materials. U.L. and C.S.A. recognized**

**Series 1700 Differential Pressure Switches** were specifically designed to satisfy the demands of high volume original equipment manufacturers for a tough, dependable limit switch at a very low price. The Model 1700 uses Dwyer’s simple, time-proven method of mechanically coupling a sensitive 3” diameter silicone rubber diaphragm to a versatile SPDT snap switch. The switch housing is precision molded of a high strength glass filled PPO which has excellent dimensional and thermal stability. This unique combination of existing and new technologies enables Dwyer to offer a limit switch priced less than comparable units without sacrificing performance. Installation is fast and simple with twist and tighten mounting screw slots, 1/4” quick connect electrical terminals and dual size barbed pressure ports for 1/8” and 3/16” ID vinyl or rubber tubing.

For use with air and other non-combustible, non-corrosive gases, switches are UL and CSA recognized. Two models are offered with field adjustable ranges from .35 to .55 and .56 to 7.5 in w.c. Units are rated for 2 PSIG maximum system pressure, temperature limit is 190°F and weight is only 4 oz.

### Applications

- High efficiency furnaces
- Duct pressure monitor
- Laboratory fume hoods
- Monitor air filter condition
- Engine diagnostic equipment

**Operating Ranges and Deadbands**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range, in w.c. (mm w.c.)</th>
<th>Approximate Dead Band</th>
</tr>
</thead>
<tbody>
<tr>
<td>1710-0</td>
<td>15 - 33 (3.81 - 8.38)</td>
<td>10 (2.55)</td>
</tr>
<tr>
<td>16710-5</td>
<td>50 - 7.5 (12.71 - 190.5)</td>
<td>10 (2.55)</td>
</tr>
</tbody>
</table>

**Price:** $29.00

**Note:** All purchases must be 50 units or more. See page 587 for process tubing options.