The Series PDPS live 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" 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.

### Series PDPS

#### Compact Economic Differential Pressure Switch

Low Pressures down to 0.07 in w.c.

- **Applications:**
  - Engine diagnostic equipment
  - Monitor air filter condition
  - Laboratory fume hoods
  - Duct pressure monitor
  - High efficiency furnaces
  - High temperature furnaces
  - Air-cooled condensers

- **Features:**
  - Large diameter diaphragm and snap action switch make it dependable and ideal for OEM applications.
  - Available for pressure, vacuum, and differential applications and are factory preset for pressures from 0.07" to 1.0" of w.c. with full-scale repeatability of ±0.02" of w.c.
  - Other features include standard multi-barb port connections, inherent mounting and quick disconnect terminals.

- **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:** 6 psig (0.41 bar).
  - **Proof Pressure:** 1.0 psi (0.069 bar).
  - **Electrical Rating:** 5 A @ 125/250 VAC.

- **Operational Ranges and Deadbands:**

<table>
<thead>
<tr>
<th>Pressure Range</th>
<th>Set Point A</th>
<th>Deadband</th>
<th>Set Point B</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.07 to 0.14 in w.c.</td>
<td>0.07 to 0.14 in w.c.</td>
<td>±0.02 in w.c.</td>
<td>0.07 to 0.14 in w.c.</td>
</tr>
<tr>
<td>0.14 to 0.32 in w.c.</td>
<td>0.14 to 0.32 in w.c.</td>
<td>±0.02 in w.c.</td>
<td>0.14 to 0.32 in w.c.</td>
</tr>
<tr>
<td>0.32 to 0.64 in w.c.</td>
<td>0.32 to 0.64 in w.c.</td>
<td>±0.02 in w.c.</td>
<td>0.32 to 0.64 in w.c.</td>
</tr>
<tr>
<td>0.64 to 1.0 in w.c.</td>
<td>0.64 to 1.0 in w.c.</td>
<td>±0.02 in w.c.</td>
<td>0.64 to 1.0 in w.c.</td>
</tr>
</tbody>
</table>

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 0.15 to 0.55 and 0.50 to 7.5 in w.c. Units are rated for 2 PSIG maximum system pressure, temperature limit is 180°F and weight is only 4 oz.

### Series 1700

**Low Differential Pressure Switches Designed for OEM Products**

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

- **Applications:**
  - Engine diagnostic equipment
  - Monitor air filter condition
  - Laboratory fume hoods
  - Duct pressure monitor
  - High efficiency furnaces
  - High temperature furnaces
  - Air-cooled condensers

- **Features:**
  - Compact and lightweight design.
  - Quick connect electrical terminals and dual size barbed pressure ports for 1/8" and 3/16" ID vinal or rubber tubing.

- **Specifications:**
  - **Service:** Air and compatible gases.
  - **Wetted Materials:** Coated metal housing, Teflon coated 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 in w.c.
  - **Burst Pressure:** 6 psig (0.41 bar).
  - **Proof Pressure:** 1.0 psi (0.069 bar).
  - **Electrical Rating:** 5 A @ 125/250 VAC.

- **Operational Ranges and Deadbands:**

<table>
<thead>
<tr>
<th>Pressure Range</th>
<th>Set Point A</th>
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<th>Set Point B</th>
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<tbody>
<tr>
<td>0.07 to 0.14 in w.c.</td>
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<td>±0.02 in w.c.</td>
<td>0.07 to 0.14 in w.c.</td>
</tr>
<tr>
<td>0.14 to 0.32 in w.c.</td>
<td>0.14 to 0.32 in w.c.</td>
<td>±0.02 in w.c.</td>
<td>0.14 to 0.32 in w.c.</td>
</tr>
<tr>
<td>0.32 to 0.64 in w.c.</td>
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<td>0.32 to 0.64 in w.c.</td>
</tr>
<tr>
<td>0.64 to 1.0 in w.c.</td>
<td>0.64 to 1.0 in w.c.</td>
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<td>0.64 to 1.0 in w.c.</td>
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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 0.15 to 0.55 and 0.50 to 7.5 in w.c. Units are rated for 2 PSIG maximum system pressure, temperature limit is 180°F and weight is only 4 oz.

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Range, in w.c. (mm w.c.)</th>
<th>Approximate Dead Band</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1710-0</td>
<td>0.15 - 0.55 (3.81 - 13.97)</td>
<td>0.03 (0.77)</td>
<td>$29.00</td>
</tr>
<tr>
<td>1710-5</td>
<td>0.50 - 7.5 (12.71 - 190.5)</td>
<td>0.10 (2.55)</td>
<td>$29.00</td>
</tr>
</tbody>
</table>

Note: All purchases must be of 25 units or more.

See page 587 for process tubing options.