The Series PDPS’s large diameter diaphragm and map 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” w.c. to 1.0” w.c. with full-scale repeatability of ±0.02” 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 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 1710 uses Dwyer’s simple, time-proven method of mechanically coupling a sensitive 3˝ diameter silicone rubber diaphragm to a versatile SPDT snap switch. For use with air and other non-combustible, non-corrosive gases, switches are UL and CSA approved.

**Application**: Competitive priced limit switch combines fast, simple installation with quality construction and materials. UL and CSA recognized.

**SPECIFICATIONS**
- **Service**: Air and compatible gases.
- **Wetted Materials**: Polyphenylene oxide-styrene housing, florosilicon diaphragm, stainless steel spring.
- **Pressure Limit**: Rates to 2 PSIG (13.79 kPa), temperature limit is 190°F (82°C).
- **证明 Pressure**: 1.0 psi (0.069 bar).
- **Burst Pressure**: 3.5 psi (0.241 bar).
- **Set point**: 0.07 to 0.14˝ w.c. for 0.07 to 0.14˝ w.c.
- **Set Point**: 0.15 to 0.55˝ w.c. for 0.15 to 0.55˝ w.c.
- **Weight**: 2.7 oz (76.5 g).

**Electrical Rating**: 5 A @ 125/250 VAC.

**Agency Approvals**: UL-353 pilot duty controls; UL-508 industrial controls; UL-508 industrial controls; UL-1864: 1997; BS EN 1854: 1997.

**Weight**: 4 oz (113.4 g).

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

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

**Process Connections**: Dual size for 1/8” and 3/16” polyvinyl 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 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 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

**Series 1700 Differential Pressure Switches**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range in w.c.</th>
<th>Approximate Dead Band</th>
</tr>
</thead>
<tbody>
<tr>
<td>1710-0</td>
<td>15 - 35 (.38 - 0.89)</td>
<td>.03 (.77)</td>
</tr>
<tr>
<td>1710-5</td>
<td>50 - 7.5 (127 - 190)</td>
<td>.06 (1.65)</td>
</tr>
</tbody>
</table>

**Note**: All purchases must be of 50 units or more.