EXPLOSION-PROOF DIFFERENTIAL PRESSURE SWITCH
Compact, Low Cost, Explosion-proof and Weatherproof

**SERIES 1950**

**EXPLOSION-PROOF DIFFERENTIAL PRESSURE SWITCH**

- **Application:** HVAC applications
- **Easily accessible electrical connection simplifies the installation**
- **Features/Benefits:**
  - Explosion-proof and weatherproof housing
  - Compact, about half the weight and bulk of other explosion-proof or weatherproof switches
  - High performance
  - Easy assembly
- **Applications:** HVAC, industrial, and commercial environments

**SPECIFICATIONS**

- **Service:** Air and non-combustible gases
- **Wetted Materials:** Consult factory
- **Pressure Limits:** Continuous: 1950's - 45 in w.c. (1.1 bar), 1950P's - 35 psi (2.4 bar), 1950P-50 only - 70 psi (4.83 bar), Surge: 1950's - 10 psi (0.69 bar), 1950P-50 only - 35 psi (2.41 bar), 1950P-50 only - 90 psi (6.21 bar)
- **Enclosure Rating:** NEMA 3 (IP54), NEMA 7 & 9
- **Mounting Type:** Single-pole double-throw (SPDT)
- **Electrical Rating:** 1 Form C relay (SPDT)

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range, psi</th>
<th>Approximate Set Point</th>
<th>Approximate Deadband</th>
<th>Model</th>
<th>Range</th>
<th>Approximate Set Point</th>
<th>Approximate Deadband</th>
</tr>
</thead>
<tbody>
<tr>
<td>1950P-2-2F</td>
<td>0.5 to 2</td>
<td>0.3</td>
<td>0.3</td>
<td>1950P-50-2F</td>
<td>15 to 50</td>
<td>1.0</td>
<td>1.5</td>
</tr>
<tr>
<td>1950P-5-2F</td>
<td>1.5 to 8</td>
<td>0.9</td>
<td>1.0</td>
<td>1950P-8-2F</td>
<td>10 to 40</td>
<td>1.5</td>
<td>2.0</td>
</tr>
<tr>
<td>1950P-15-2F</td>
<td>5 to 25</td>
<td>0.7</td>
<td>0.7</td>
<td>1950P-25-2F</td>
<td>10 to 50</td>
<td>1.5</td>
<td>2.0</td>
</tr>
</tbody>
</table>

- **Footnote:** P=PSID models. Other ranges in in w.c.
- **Caution:** For use only with air or compatible gases. Applications with hazardous atmospheres and a single positive pressure may require special venting.

**SERIES 1950G**

**EXPLOSION-PROOF DIFFERENTIAL PRESSURE SWITCH**

- **Application:** Explosion-proof, weatherproof, compatible with natural gases
- **Mounting Orientation:** Diaphragm in vertical position
- **Features/Benefits:**
  - Suitable for top of houses
  - Low cost

**SPECIFICATIONS**

- **Service:** Air and compatible combustible gases
- **Wetted Materials:** Contact factory
- **Pressure Limits:** Continuous: 1950's - 45 in w.c. (-17 to 60°C), Note: Set point drift may occur with ambient temperature changes.
- **Enclosure Rating:** NEMA 3 (IP54), NEMA 7 & 9
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<tr>
<td>1950G-00-B-24-NA</td>
<td>0.04</td>
<td>0.06</td>
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</tr>
<tr>
<td>1950G-00-B-24-NA</td>
<td>0.06</td>
<td>60</td>
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<tr>
<td>1950G-1-B-24-NA</td>
<td>0.11</td>
<td>0.29</td>
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</tr>
<tr>
<td>1950G-2-B-24-NA</td>
<td>0.4</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>1950G-5-B-24-NA</td>
<td>1.8</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>1950G-10-B-24-NA</td>
<td>3.0</td>
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**APPLICATIONS**

- HVAC applications
- Process applications
- All-weather applications

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