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

EXPLOSION-PROOF DIFFERENTIAL PRESSURE SWITCH

**Model Chart**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range, psid</th>
<th>Approximate Deadband</th>
<th>Min. Set Point</th>
<th>Max. Set Point</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>15 to 50</td>
</tr>
<tr>
<td>1950P-5-2F</td>
<td>1.5 to 8</td>
<td>0.9</td>
<td>1.0</td>
<td>15 to 50</td>
</tr>
<tr>
<td>1950P-15-2F</td>
<td>4 to 25</td>
<td>0.7</td>
<td>0.7</td>
<td>15 to 50</td>
</tr>
</tbody>
</table>

**Features/Benefits**
- Explosion-proof and weatherproof housing provides device protection for outdoor use or harsh environment operation.
- External set point screw provides easy access that simplifies making adjustments without opening or disassembling enclosure.
- Easily accessible electrical connection simplifies the installation.

**Applications**
- HVAC applications
- Process applications
- All-weather applications

**Specifications**
- Pressure Limits: Continuous: 1950’s - 15 in w.c. (38.1 kPa) for 1950-02, 1950’s - 35 psi (2.41 bar) for 1950P-50 only. -30 to 140°F (-34.4 to 54.4°C) for 1950-02.
- Enclosure Rating: NEMA 3 (IP54), NEMA 7 & 9.
- Switch Type: Single-pole double-throw (SPDT).

**Series 1950 Explosion-Proof Differential Pressure Switch**
Combines the best features of the popular Dwyer® Series 1900 Pressure Switch with an integral explosion-proof and weatherproof housing, making it an exceptional value for either application. It is CE, UL, and CSA listed, FM approved for use in Class I, Div 1, Groups C and D, Class II Groups E, F, and G and Class III hazardous atmospheres NEMA 7 & 9. Rain tight NEMA 3 (IP54), weatherproof features include a drain plug and O-ring seal in cover. Electrical connections are easily made by removing front cover. For convenience the set point adjustment screw is located on the outside of the housing. Twelve models offer set points from .03 to 20 in w.c. (0.0075 to 5 kPa) and from .5 to 60 psi (0.035 to 3.5 bar). The unit is very light and compact - about half the weight and bulk of other explosion-proof or weatherproof switches with separate enclosures.

**Features/Benefits**
- Explosion-proof and weatherproof housing provides device protection for outdoor use or harsh environment operation.
- External set point screw provides easy access that simplifies making adjustments without opening or disassembling enclosure.
- Easily accessible electrical connection simplifies the installation.

**Applications**
- HVAC applications
- Process applications
- All-weather applications

**Specifications**
- Pressure Limits: Continuous: 1950’s - 15 in w.c. (38.1 kPa) for 1950-02, 1950’s - 35 psi (2.41 bar) for 1950P-50 only. -30 to 140°F (-34.4 to 54.4°C) for 1950-02.
- Enclosure Rating: NEMA 3 (IP54), NEMA 7 & 9.
- Switch Type: Single-pole double-throw (SPDT).

**Series 1950G Explosion-Proof Differential Pressure Switch**
Combines the best features of the popular Dwyer® Series 1900 Pressure Switch with an integral explosion-proof and weatherproof housing, making it an exceptional value for either application. It is CE, UL, and CSA listed, FM approved for use in Class I, Div 1, Groups C and D, Class II Groups E, F, and G and Class III hazardous atmospheres NEMA 7 & 9. Rain tight NEMA 3 (IP54), weatherproof features include a drain plug and O-ring seal in cover. Electrical connections are easily made by removing front cover. For convenience the set point adjustment screw is located on the outside of the housing. Twelve models offer set points from .03 to 20 in w.c. (0.0075 to 5 kPa) and from .5 to 60 psi (0.035 to 3.5 bar). The unit is very light and compact - about half the weight and bulk of other explosion-proof or weatherproof switches with separate enclosures.

**Features/Benefits**
- Explosion-proof and weatherproof housing provides device protection for outdoor use or harsh environment operation.
- External set point screw provides easy access that simplifies making adjustments without opening or disassembling enclosure.
- Easily accessible electrical connection simplifies the installation.

**Applications**
- HVAC applications
- Process applications
- All-weather applications

**Specifications**
- Pressure Limits: Continuous: 1950’s - 15 in w.c. (38.1 kPa) for 1950-02, 1950’s - 35 psi (2.41 bar) for 1950P-50 only. -30 to 140°F (-34.4 to 54.4°C) for 1950-02.
- Enclosure Rating: NEMA 3 (IP54), NEMA 7 & 9.
- Switch Type: Single-pole double-throw (SPDT).