EXPLOSION-PROOF DIFFERENTIAL PRESSURE SWITCH

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, Group A, B, C, and D; Class II, Group E, F, and G 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 0.03 to 20 in w.c. (0.0075 to 5 kPa) and from 0.5 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. To the unit. Adjustment to the set point of the switch can be made without disassembly or opening the housing.

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

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Range, psid</th>
<th>Approximate Deadband Range, in. w.c.</th>
<th>Min. Set Point</th>
<th>Max. Set Point</th>
<th>Model*</th>
<th>Approximate Deadband Range, in. w.c.</th>
<th>Min. Set Point</th>
<th>Max. Set Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>1950G-2-2F</td>
<td>0.5 to 2</td>
<td>0.3 to 0.3</td>
<td>0.15</td>
<td>0.5</td>
<td>1950G-50-2F</td>
<td>0.10 to 0.15</td>
<td>0.75</td>
<td>1.0</td>
</tr>
<tr>
<td>1950G-5-2F</td>
<td>1.5 to 5</td>
<td>1.0 to 1.0</td>
<td>0.75</td>
<td>1.0</td>
<td>1950G-50-5-2F</td>
<td>0.75 to 1.0</td>
<td>1.0</td>
<td>1.5</td>
</tr>
<tr>
<td>1950G-15-2F</td>
<td>4 to 25</td>
<td>0.7 to 0.7</td>
<td>1.0</td>
<td>1.5</td>
<td>1950G-50-15-2F</td>
<td>1.0 to 1.5</td>
<td>1.5</td>
<td>2.0</td>
</tr>
<tr>
<td>1950G-20-2F</td>
<td>10 to 50</td>
<td>0.7 to 0.7</td>
<td>1.0</td>
<td>1.5</td>
<td>1950G-50-20-2F</td>
<td>1.0 to 1.5</td>
<td>2.0</td>
<td>4.0</td>
</tr>
</tbody>
</table>

SERIES 1950G

EXPLOSION-PROOF DIFFERENTIAL PRESSURE SWITCH

Explosion-proof, Weatherproof, Compatible with Natural Gases

Series 1950G Explosion-Proof Differential Pressure Switch combines the best features of the popular Dwyer® Series 1900 Pressure Switch with the benefit of natural gas compatibility. Units are rain-tight for outdoor installations, and are UL listed for use in Class I, Groups A, B, C & D; Class II, Groups E, F & G and Class III hazardous atmospheres. Directive 2014/34/EU (ATEX) Compliant for use in Class I, Groups A, B, C, & D; Class II, Groups E, F, & G and Class III atmospheres, gas compatibility. Units are rain-tight for outdoor use or harsh environment operation

FEATURES/BENEFITS
- Compatible with natural gas making it suitable for use in those applications
- External set point screw provides easy access that simplifies making adjustments without opening or disassembling enclosure
- Easily accessible electrical connection simplifies the installation

APPLICATIONS
- Natural gas applications
- Process applications
- All-weather applications

MODEL CHART

<table>
<thead>
<tr>
<th>UL, CSA, FM Model</th>
<th>ATEX Model</th>
<th>Range, psid</th>
<th>Approximate Deadband Range, in. w.c.</th>
<th>Min. Set Point</th>
<th>Max. Set Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>1950G-00-B-24-NA</td>
<td>1950G-00-B-24-NA</td>
<td>7.0 to 15</td>
<td>0.5 to 15</td>
<td>0.4</td>
<td>0.6</td>
</tr>
<tr>
<td>1950G-05-B-24-NA</td>
<td>1950G-05-B-24-NA</td>
<td>4.0 to 15</td>
<td>3.0 to 15</td>
<td>1.0</td>
<td>1.4</td>
</tr>
<tr>
<td>1950G-10-B-24-NA</td>
<td>1950G-10-B-24-NA</td>
<td>1.5 to 15</td>
<td>1.0 to 15</td>
<td>0.6</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Power Requirements: 24 VDC ±10%. 120 or 240 VAC ±10% optional.
Electrical Connections: Internal terminal block.
Process Connections: 1/8” female NPT.
Mounting Orientation: Diaphragm in vertical position. Consult factory for other position orientations.
Set Point Adjustment: Screw type on top of housing.
Agency Approvals: ATEX, CE, CSA, FM, IECEx, UL.

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, 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. CAUTION: For use only with air or compatible gases. Applications with hazardous atmospheres and a single positive pressure may require special venting.

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APPLICATIONS
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- Process applications
- All-weather applications

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<tr>
<td>1950P-2-2F</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>1950-02-2F</td>
<td>0.03 to 0.10</td>
<td>0.025</td>
<td>0.05</td>
</tr>
<tr>
<td>1950P-15-2F</td>
<td>1950-15-2F</td>
<td>0.07 to 0.15</td>
<td>0.05</td>
<td>0.15</td>
</tr>
<tr>
<td>1950P-20-2F</td>
<td>1950-20-2F</td>
<td>0.10 to 0.15</td>
<td>0.10</td>
<td>0.15</td>
</tr>
</tbody>
</table>

*PSID range models. Other ranges in w.c.

Model 1950P-2-2F is CE, UL-listed for use in Class I, Groups A, B, C, D, Class II Groups, E, F, 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. CAUTION: For use only with air or compatible gases. Applications with hazardous atmospheres and a single positive pressure may require special venting.

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Model 1950P-2-2F is CE, UL-listed for use in Class I, Groups A, B, C, D, Class II Groups, E, F, 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. CAUTION: For use only with air or compatible gases. Applications with hazardous atmospheres and a single positive pressure may require special venting.

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