**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 and 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 unit. Twelve models offer set points from .03 to 20 in w.c. (0.075 to 5 kPa) and from 15 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.

**APPLICATIONS**
- HVAC applications
- Process applications
- All-weather applications

**BENEFITS/FEATURES**
- 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
- Allows for capacitive sensing

**SERIES 1950G**

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, and D; Class II, Groups E, F, and G and Class III atmospheres. Directive 2014/34/EU (ATEX) Compliant for use in Class I, Div 1, Groups B, C, D; Class II, Div 1, Groups E, F, G and Class III atmospheres. IECEx Ex d II 2G Ex db T6 (-40°C<Tra<+60°C).

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

**SPECIFICATIONS**

**GASES**
- Service: Air and compatible combustible gases.
- Wetted Materials: Contact factory.
- Temperature Limits: 0 to 140°F (-17 to 60°C).
- Pressure Limits: Continuous: 1950G - 45 in w.c. (11.2 kPa); 1950G - 35 psi (0.24 bar); 1950G - 5 psi (0.34 bar); 1950G-50 - 5 psi (0.34 bar); 1950G-50 - 5 psi (0.34 bar).
- Enclosure Rating: NEMA 3 (IP54), NEMA 7 and 9.
- Switch Type: Single-pole double-throw (SPDT).

**ELECTRICAL**
- Power Requirements: 24 VDC ±10%, 120 or 240 VAC ±10%
- 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.
- Weight: 2 lb 15 oz (1.35 kg).
- Agency Approvals: ATEX, CE, CSA, FM, IECEx, UL.