



## SERIES 1950G | EXPLOSION-PROOF DIFFERENTIAL PRESSURE SWITCH



### BENEFITS/FEATURES

- ATEX approved explosion proof for natural gas applications
- External set point screw provides easy access without opening or disassembling enclosure
- Easily accessible electrical connection simplifies the installation
- Isolated process chambers from electrical compartment

### APPLICATIONS

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

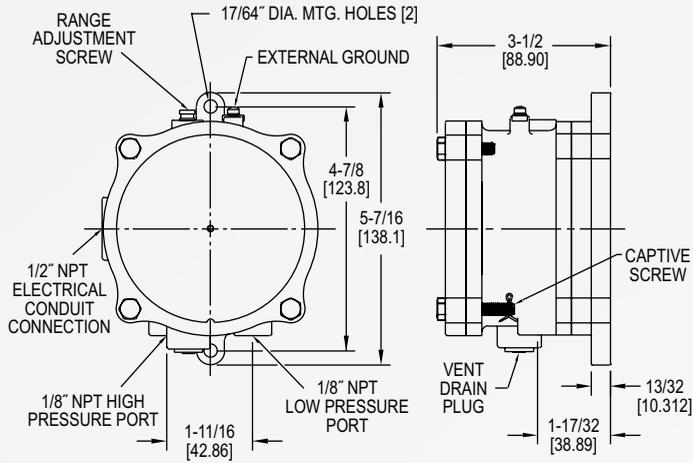
### DESCRIPTION

The **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, and D; class II, groups E, F, and G and class III atmospheres, directive 2014/34/EU (ATEX) compliant for **CE 2813 Ex II 2G Ex db IIB+H<sub>2</sub> T6**, CSA and FM approved for class I, div. 1, groups B, C, D; class II, div. 1, groups E, F, G and class III atmospheres, and IECEx Ex db IIB+H<sub>2</sub> T6 (-40°C<Ta<+60°C). UKCA Ex compliant for **Ex II 2G Ex db IIB+H<sub>2</sub> T6 Gb Ex db IIB+H<sub>2</sub> T6 Gb**. The 1950G is very compact, about half the weight and bulk of equivalent conventional explosion-proof switches. Easy access to the SPDT relay and power supply terminals is provided by removing the top plate of the aluminum housing. A supply voltage of 24 VDC, 120 or 240 VAC is required. A captive screw allows the cover to swing aside while remaining attached to the unit. Adjustment to the set point of the switch can be made without disassembly of the housing.

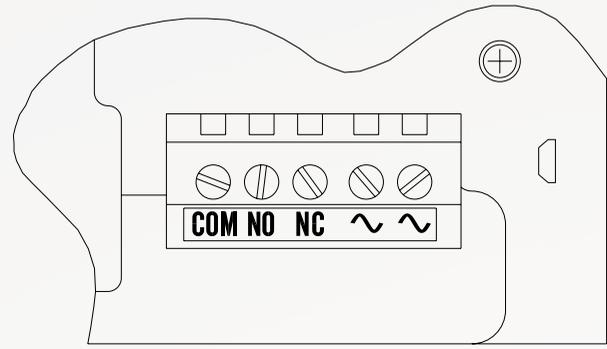
### SPECIFICATIONS

<b>Service</b>	Air and compatible combustible gases.
<b>Wetted Materials</b>	Consult factory.
<b>Temperature Limits</b>	0 to 140°F (-17 to 60°C). <b>Note:</b> Set point drift may occur with ambient temperature changes.
<b>Pressure Limits (Continuous)</b>	45 in w.c. (11.2 kPa) continuous; 10 psig (68.95 kPa) surge.
<b>Enclosure Rating</b>	NEMA 3 (IP54), NEMA 7 and 9.
<b>Switch Type</b>	1 form C relay (SPDT).
<b>Electrical Rating</b>	10 A, 120/240 VAC, 28 VDC. Resistive 50 mA, 125 VDC.
<b>Power Requirements</b>	24 VDC ±10%. 120 or 240 VAC ±10% optional.
<b>Electrical Connections</b>	Internal terminal block.
<b>Process Connections</b>	1/8" female NPT.
<b>Mounting Orientation</b>	Diaphragm in vertical position. Consult factory for other position orientations.
<b>Set Point Adjustment</b>	Screw type on top of housing.
<b>Weight</b>	2 lb 15.7 oz (1.35 kg).
<b>Compliance</b>	ATEX, CCC, CE, CSA, FM, IECEx, KCs, PESO, UKCA Ex, UL.

## DIMENSIONS

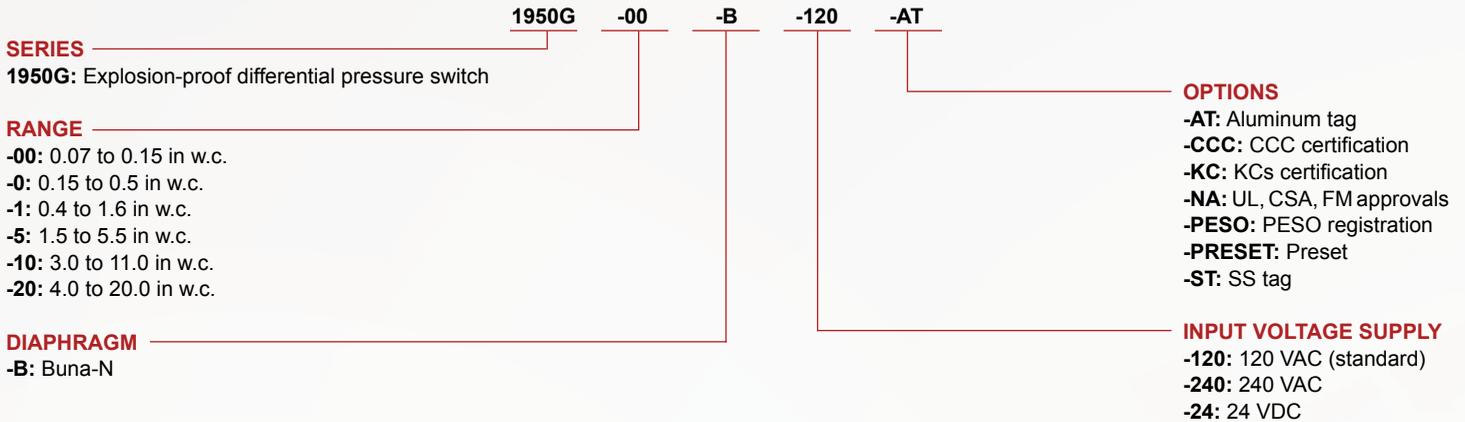


## WIRING DIAGRAM



## HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.



**ORDER ONLINE TODAY!**

[dwyer-inst.com/Product/Series1950G](http://dwyer-inst.com/Product/Series1950G)



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