



HAZARDOUS LOCATIONS

EXPLOSION PROOF AIR DIFFERENTIAL PRESSURE SWITCH 1950G SERIES

DESCRIPTION

The **Dwyer 1950G Series explosion proof air differential pressure switch** monitors differential air pressure in a hazardous environment. The **1950G Series** has an external screw type setpoint adjustment and a NEMA 7 and 9 rated enclosure. The enclosure is anodized cast aluminum with explosion proof rating for Class I, Division 1, Groups A, B, C, D and Class II, Division 1, Groups E, F, G. The optional Model A-602 pressure probe kit allows the **1950G Series** to monitor filter pressure drop.

FEATURES

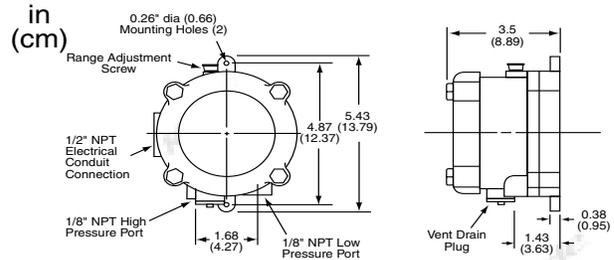
- **Class I, Division 1, Groups A, B, C, D**
- **Class II, Division 1, Groups E, F, G; Class III**
- **Ranges from 0.07" to 20" W.C. (17.4 to 4981 Pa)**
- **Adjustable setpoint within range**
- **SPDT 10A contacts**



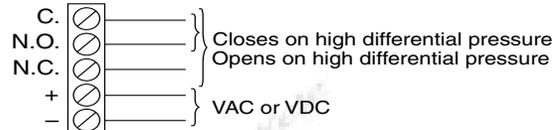
SPECIFICATIONS

| | |
|------------------------------|---|
| Supply Voltage | 24 VDC \pm 10%, 208 mA; 120/240 VAC @ 5 VA |
| Relay Output | SPDT, 10A @ 240 VAC/28 VDC |
| Operating Temperature | 0° to 140°F (-18° to 60°C) |
| Connections | 1/8" NPT |
| Diaphragm Area | Buna-N |
| Area | Class I, Division 1, Groups A, B, C, D; Class II, Division 1, Groups E, D, G; Class III |
| Burst Pressure | 10 psig (69 kPa) |
| Weight | 3 lb (1.4 Kg) |
| Approvals | UL File #E62583, FM, CSA, CE, ATEX |
| Warranty | 1 year |

DIMENSIONS



WIRING



CAUTION: Conduit seal MUST be installed within code-required distance from DP switch to maintain explosion proof rating.

ORDERING INFORMATION

| MODEL | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|----------------|----------------------------------|-----------------|----------------------------------|-------|---------|-------|-----------------|-----------------|----|-----------|-----------|-----------|-------------|---|----------|------------|-------------|-------------|---|---------|------------|-------------|-------------|---|---------|------------|------------|-----------|----|----------|------------|-----------|-----------|----|--------|----------|-----------|-----------|
| 1950G | Explosion proof air differential pressure switch | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Example: 1950G-1-B-120-NA 0.4-1.6" W.C., explosion proof air differential pressure switch with 120 VAC supply voltage - non atex

RELATED PRODUCTS

- A-602** Mounting kit for air filter applications. Includes two pressure tips, two 5-foot lengths of aluminum tubing and two adapters.
- ACK6F** Cement: 1.9 lb* (0.9 kg) Fiber: 0.3 LB (0.14 kg), 25 cu in (410 cu cm) volume when set
* Consists of five 0.4 lb (0.19 kg) cement pouches
- EYM-50** 1/2" size, 1.06" turning radius, 1 oz Kwiko cement required, Malleable Iron construction