The SERIES DX is a differential pressure switch that makes a contact output based on the differential between two pressure sources. Wetted materials of brass and fluoroelastomer are suitable for use with most gases and water based solutions. The switch can be used for low differential pressure indication with set point on a decrease of pressure as low as 1 psid (0.07 bar). Differential set point ranges are available from 2.5 to 75 psid (0.17 to 5.17 bar) on increasing differential pressure and 1.0 to 67 psid (0.07 to 4.62 bar) on decreasing differential pressure. Unit features a high static pressure rating of 200 psig (13.8 bar). Weatherproof, UL type 4X, enclosure for dust laden, outdoor, or wash-down installation environments. Externally adjustable set point, integral mounting flange and a removable electrical terminal block for quick and easy installation.

**FEATURES/BENEFITS**
- Differential pressure switch that is suitable for most gas and water-based applications allows multiple uses in the most sophisticated designs
- Weatherproof housing provides protection in the harsh, wet or dirty environments ensuring switch’s long-service life
- Removable terminal block reduces installation time

**APPLICATIONS**
- Indicating filter differential pressure
- Proof of flow indicator monitoring
- Proving flow through a pump
- Proving flow through a heat pump or AC unit

**OPTIONS**
To order add suffix: Description Price
- PRESET Precut unit +$16.25

**SPECIFICATIONS**
- Temperature Limits: 30 to 140°F (-1 to 60°C).
- Pressure Limits: 200 psig (13.8 bar). Continuous single side only pressure should not exceed 1.25 x full differential range.
- Enclosure Rating: Weatherproof UL type 4X (IP65).
- Repeatability: ±2% of full range.
- Switch Type: SPDT snap switch.
- Electrical Rating: 5 A @ 125/250 VAC (5 Ares. @ 30 VDC [±]).
- Electrical Connection: Removable terminal block.

**WARRANTY**
5 year limited warranty.

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**SERIES DP | MERCOID® BY DWYER**

**DOUBLE BELLOWS DIFFERENTIAL PRESSURE SWITCHES**
Visible Setpoints, Adjustable or Fixed Deadband, High Pressure Ranges

Two opposing bellows combine maximum sensitivity and vibration resistance at a moderate cost in the SERIES DP differential pressure switches. Both set and reset points are easily adjustable through non-interactive, externally accessible controls. Visible setpoint indicators simplify changes. SPDT snap action switch, 316 stainless steel or brass bellows, flanged steel housing. Rated pressures to 600 psig.

**FEATURES/BENEFITS**
- Bellows switch design provides sensitivity to pressure changes but resists vibration preventing out of range switching.
- External access to set and reset controls makes for easy adjustments.
- Visible set point indicators simplify changes.

**APPLICATIONS**
- Accurate switch triggers in high pressure applications

**MODEL CHART**

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<td>50 (3.5)</td>
<td>1.5 (0.10)</td>
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</tbody>
</table>

**SPECSIFICATIONS**

- **Wetted Materials**: Brass on ranges 61, 62, 63 or 316 SS on ranges 62E, 64E, 65E.
- **Temperature Limits**: -10 to 180°F (-23 to 82°C).
- **Pressure Limit**: Maximum pressure of 300 psig (20.7 bar).
- **Set Point Adjustment**: Horizontal plane, ±10°.
- **Response Time**: Max. Gs, 5 to 500 Hz. Set point after 2.5 Gs, 5 to 500 Hz.
- **Pollution Degree**: 2.
- **Environment**: General purpose, 80% (non-condensing).
- **Agency Approvals**: CE, cULus.
- **Weight**: 1 lb 3 oz (0.54 kg).
- **Warranty**: 5 year limited warranty.

**OPTIONS**
To order add suffix: Description Price
- W Weatherproof enclosure +$193.00
- E Explosion-proof enclosure +$1506.00

**EXAMPLE**
- DPAE7033-153-61

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USA: California Proposition 65

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov