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). Continuous single side only pressure should not exceed 1.25 x full differential range.

**SPECIFICATIONS**

- **Service:** Compatible gases and liquids.
- **Wetted Materials:** Connection: Brass; Diaphragm: Fluoroelastomer.
- **Temperature Limits:** 30 to 140°F (-1 to 60°C).
- **Pressure Limits:** 200 psig (13.8 bar).
- **Repeatability:** ±2% of full range.
- **Switch Type:** SPDT snap switch.
- **Enclosure Rating:** Weatherproof UL type 4X.
- **ElectricalRating:** 5 A @ 125/250 VAC (~), 5 A res. @ 30 VDC (   ).
- **Set Point Adjustment:** External screw.
- **Agency Approvals:** Weatherproof: 7 lb (3 kg), explosion-proof: 15 lb (6.8 kg).
- **Humidity Limit:** 80% (non-condensing).
- **Pollution Degree:** 2.
- **Weight:** 1 lb 3 oz (0.54 kg).
- **Model Chart:** See model chart.
- **Weight:** 1 lb 3 oz (0.54 kg).

**OPTIONS**

- **Snap Action Switch:** SPDT, 15A @ 120/240 VAC
- **Fixed Deadband: (psid [bar])** 10 to 20 (0.69 to 1.37)
- **Price:** $757.00
- **Weight:** 1 lb 3 oz (0.54 kg).

**APPLICATIONS**

- **Indicating filter condition**
- **Proof of flow indicator monitoring**
- **Proofing flow through a pump**
- **Remotevaluable terminal block reduces installation time**
- **Set point indicators simplify changes**
- **External screw.**
- **Horizontal plane, ±10°.**
- **Humidity limit:** 80% (non-condensing).
- **Process Connection:** Female NPT.
- **Vibration and Shock:** Weatherproof: 7 lb (3 kg), explosion-proof: 15 lb (6.8 kg).
- **Conduit Connection:** 0.871" diameter hole for 1/2" conduit fitting.
- **Mounting Orientation:** Vertical.
- **Set Point Adjustment:** Thumbscrew.
- **Weight:** General purpose: 5 lb (2.3 kg), weatherproof: 7 lb (3 kg), explosion-proof: 25 lb (11 kg).

**SERIES DP | MERCOID® BY DWYER**

**DOUBLE BELLOWS DIFFERENTIAL PRESSURE SWITCHES**

Visible Setpoints, Adjustable or Fixed Deadband, High Pressure Ranges

**SPECIFICATIONS**

- **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 the operating range.
- **Enclosure Rating:** General purpose.
- **Switch Type:** Snap switch (Contact factory for mercury switch).
- **Electrical Rating:** See model chart.

**OPTIONS**

- **Snap Action Switch:** SPDT, 15A @ 120/240 VAC
- **Fixed Deadband (psid [bar]):** 0 to 1.0 (0.07 to 0.69)
- **Price:** $757.00
- **Weight:** 1 lb 3 oz (0.54 kg).

**APPLICATIONS**

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

**MODEL CHART**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Brass</td>
<td>0-10 (0.7)</td>
<td>50 (3.5)</td>
<td>1.5 (0.10)</td>
<td>DPA-7033-153-61</td>
<td>$757.00</td>
<td>0.5 (0.03)</td>
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<tr>
<td>Brass</td>
<td>0-20 (1.4)</td>
<td>100 (6.9)</td>
<td>2.2 (0.17)</td>
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<td>1.0 (0.07)</td>
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<tr>
<td>Brass</td>
<td>0-30 (2.1)</td>
<td>150 (10.3)</td>
<td>3.0 (0.21)</td>
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<tr>
<td>Brass</td>
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<td>200 (13.8)</td>
<td>4.0 (0.28)</td>
<td>DPA-7043-153-62E</td>
<td>$1439.00</td>
<td>2.0 (0.14)</td>
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<td>$1439.00</td>
</tr>
<tr>
<td>Brass</td>
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<td>300 (20.7)</td>
<td>6.0 (0.41)</td>
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<td>3.0 (0.21)</td>
<td>DPA-7043-153-65E</td>
<td>$1439.00</td>
</tr>
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</table>

**USA:** California Proposition 65

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