WET/WET DIFFERENTIAL PRESSURE SWITCH
NEMA 4X Enclosure, Low Differential Set Points

The Series DX Wet/Wet Differential Pressure Switch 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 20 psid (0.07 to 1.38 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 condition
• Proof of flow indicator monitoring
• Proving flow through a pump
• Proving flow through a heat pump or AC unit
• Proving flow through a pump or heat pump

OPTIONS
To order add suffix: Description
-PRESET Preset unit
Example: DXW-11-153-1-PRESET

USA: California Proposition 65
WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SERIES DP | MERGOCID® BY DWYER

DOUBLE BELLOWS DIFFERENTIAL PRESSURE SWITCH
Visible Set Points, Adjustable or Fixed Deadband, High Pressure Ranges

Two opposing bellows combine maximum sensitivity and vibration resistance at a moderate cost in the Series DP Double Bellows Differential Pressure Switch. Both set and reset points are easily adjustable through non-interactive, externally accessible controls. Visible set point indicators simplify changes. SPDT snap 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

<table>
<thead>
<tr>
<th>Adjustable Deadband Range (on increase)</th>
<th>Fixed Deadband [psid (bar)]</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5 to 10 (0.17 to 0.69)</td>
<td>1.5 (0.10)</td>
<td>DWPX-11-153-1</td>
</tr>
<tr>
<td>5.0 to 25 (0.34 to 1.72)</td>
<td>2.5 (0.17)</td>
<td>DWPX-11-153-2</td>
</tr>
<tr>
<td>10 to 50 (1.72 to 3.48)</td>
<td>3.5 (0.24)</td>
<td>DWPX-11-153-3</td>
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<td>50 to 75 (3.46 to 5.20)</td>
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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).
• 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.

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WATTED 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 pressure limit curve as stated in operating range.
• Enclosure Rating: General purpose.
• Weatherproof or explosion-proof optional.
• Switch Type: Snap switch. (Contact factory for mercury switch.)
• Electrical Rating: See model chart.
• Electrical Connection: Screw terminal.

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).
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• 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.

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OPTIONS
To order add suffix: Description
W Weatherproof enclosure
Example: DPAW-7033-153-61E
F Explosion-proof enclosure
Example: DPAE-7033-153-81

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