DIFFERENTIAL PRESSURE TRANSMITTER
Selectable Ranges of Uni-Directional or Bi-Directional, Selectable Outputs

The SERIES WWDP Wet-to-Wet Differential Pressure Transmitter offers everything in one package by having 30 field selectable variations in just 3 models. The WWDP provides field selectable unidirectional and bidirectional pressure ranges, configurable 0-5, 0-10 VDC, and 4 to 20 mA output. It also provides an auto-zero capable feature. The field selectable port swap eliminates costly re-plumbing if the unit is improperly installed or if the transmitter is simply replaced. An optional LCD display is available for on-sight indication of line and differential pressure. The all cast aluminum housing is rated NEMA 4X (IP66). These features make the WWDP transmitter an ideal instrument for measuring the flow of various liquids and gases, pressure drop across filters, measurement of liquid level or pressurized vessels, and for use in energy management and process control systems.

FEATURES/BENEFITS

- Versatile device for liquid or gas supports designs requiring more precise measurements in support of application.
- Field selectable port swap eliminates costly re-plumbing if unit is re-installed or replaced.
- Uniirectional and bi-directional pressure selection with configurable output provides a single device that can meet broad application needs without having to specify multiple devices.
- Optional LCD display provides local status to identify operational conditions.
- NEMA 4 rated enclosure provides protection in harsh environments permitting outdoor monitoring or in areas where dust and particulate matter exists.

APPLICATIONS

- Chiller monitoring
- Pressure vessels
- Process control
- Liquid level
- Energy management

OPTIONS

Use order code: Description
NISTCAL-P11 NIST Traceable calibration certificate

SERIES 631B

CAPSUHELIC® WET/WET DIFFERENTIAL PRESSURE TRANSMITTER
Ranges Down to 0.5 in w.c. with 500 psi Static Pressure Rating

The Dwyer SERIES 631B Capsuhelic® Differential Pressure Transmitter monitors differential pressure of air and compatible gases and liquids with accuracy. The design employs converting pressure changes into a standard 4-20 mA output signal for two wire circuits. Digital “re” button, zero and span adjustments are easily accessed on the front cover. The SERIES 631 Differential Pressure Transmitter is designed to meet NEMA 4X (IP66) construction. Robust housing offers 500 psi static pressure rating on ranges down to 0.5 in w.c.

FEATURES/BENEFITS

- Gage capsule permits high-pressure usage with small differentials
- Versatile device for liquid or gas supports designs requiring more precise measurements in support of application
- Zero and range adjustments outside of gage means no disassembly in normal service.
- NEMA 4X rated enclosure provides protection in harsh environments permitting outdoor monitoring or in areas where dust and particulate matter exists.

APPLICATIONS

- Refrigeration equipment
- Energy and water management
- Liquid level in water storage tanks

ACCESSORIES

Model Description
A-164 16.4” (5 m) cable with M-12 4-pin female connector

SERIES WWDP

DIFFERENTIAL PRESSURE TRANSMITTER
Selectable Ranges of Uni-Directional or Bi-Directional, Selectable Outputs

SPECIFICATIONS

Service: Gases or liquids compatible with 17-4 PH stainless steel.
Accuracy: All pressure ranges have ±1% full-scale accuracy except the lowest selectable range of each unit is ±2% full-scale.
Stability: ±0.5% per year.
Temperature Limits: Compensated temperature range: 32 to 130°F (0 to 54°C); Operating temperature range: -4 to 185°F (-20 to 85°C).
Pressure Limits: Max working pressure: WWDP-1: 50 psi; WWDP-2: 100 psi; WWDP-3: 250 psi; Proof pressure: 40X of full-scale.
Thermal Effect: 2% FS/100°F (50°C) includes zero and span.
Power Requirements: 12 to 30 VDC/18 mA (typ). Note: 4-20 mA output cannot be powered with AC voltage.
Output Signal: Selectable 0 to 5, 0 to 10 and 1 to 5 VDC, and 4 to 20 mA.

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Description (psid)</th>
<th>Max. Working Pressure (psi)</th>
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</thead>
<tbody>
<tr>
<td>WWDP-1</td>
<td>Selectable 5, 10, 25, 50</td>
<td>50</td>
</tr>
<tr>
<td>WWDP-2</td>
<td>Selectable 10, 20, 50, 100</td>
<td>100</td>
</tr>
<tr>
<td>WWDP-3</td>
<td>Selectable 25, 50, 125, 250</td>
<td>250</td>
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<tr>
<td>WWDP-1-LCD</td>
<td>Selectable 5, 10, 25</td>
<td>50</td>
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<tr>
<td>WWDP-2-LCD</td>
<td>Selectable 10, 20, 50</td>
<td>100</td>
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<tr>
<td>WWDP-3-LCD</td>
<td>Selectable 25, 50, 125</td>
<td>250</td>
</tr>
</tbody>
</table>

OPTIONS

- Use suffix: Description
- NIST NIST Traceable calibration certificate

Example: 631B-2-NIST

USA: California Proposition 65

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