Differential Pressure Transducer for Water LX-PD-W-30

The differential pressure transducer for water LX-PD-W-30 is designed with dual sensors that enable it to accept high differential pressures in the ranges of 0-3/6/15/30 bar. The product can handle continuous overload pressure 2X and burst pressure 5X the maximum full scale range.

Details

The product features include field selectable pressure ranges and output signal types for the most flexible applications. LX-PD-W-10 is an ideal choice for monitoring differential or gauge pressure of water pipelines in most HVAC applications. The output signal is factory calibrated and temperature compensated for the highest start-up accuracy.

Ensure that the maximum individual port pressure does not exceed the maximum pressure range of the unit.

Order Code

LX-PD-W-30

LX-PD-W-30-LCD (optional, with display)

- Excellent long-term stability and high accuracy
- Four selectable pressure ranges
- Jumper selectable output types
- IP54 enclosure
- Push button and remote zeroing terminal
- Uni-directional or bi-directional pressure range selection switch
- High / low port swap switch to solve incorrect plumbing
- Normal or slow surge damping switch to prevent false alarms and reduce noise
- Backlit LCD (optional)

Case color: Grey by default

Technical Data

Media Compatibility:	17-4 PH stainless steel
Input Power:	15 to 30 VDC / 24 VAC nominal
Supply Current @	100 mA with LCD backlight
24 Vdc (max):	35 mA LCD backlight disabled
Output:	3-wire transmitter; user selectable 4-20mA and 0-10V
Pressure Ranges:	0-3/6/15/30 Bar (jumper selectable) with both differential and gauge measurements
Line Pressure:	Max. line pressure is the highest of the selectable ranges
Proof Pressure:	Max. 2X full scale range
Burst Pressure:	Max. 5X full scale range
Accuracy:	+/- 1% F.S. combined linearity, hysteresis, and repeatability. Range 4 accuracy +/- 2% F.S.
Pressure Cycles:	> 100 million
Surge Damping:	normal 4-second averaging slow 8-second averaging, switch selectable
Temperature Compensated Range:	0 to 55°C
Sensor Operating Range:	-40 to 105°C
Long Term Stability:	+/- 0.25% typical (1 year)
Zero Adjust:	Push button auto-zero and digital input
Operating Environment:	0 to 50°C 10-90% RH non-condensing
Fittings:	1/8" NPT female
Enclosure:	127mm x 127mm x 57mm
Shock:	100G, 11 mSec, ½ sine
Vibration:	20G peak 20 to 2400 Hz
Rating:	IP65
Manufacturing Process:	ISO9001

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