SpaceLogic Sensors
Pressure - Wet Differential Analog
EPW Series

Product Description

The SpaceLogic EPW Series wet pressure transducers incorporate microprocessor profiled sensors for exceptional accuracy and reliability. Easy to use and designed to provide exceptional installation time savings, the EPW Series is ideal for measuring pressure across pumps, filters, heat exchangers, compressors, and other non-corrosive wet media applications.

The DIP switch-selectable port swap feature eliminates costly replumbing when the high and low ports are improperly plumbed, allowing the DIP switch position to be changed from normal to swap.

The EPW2 Series 2-wire, 4 to 20 mA wet pressure transducers incorporate microprocessor profiled sensors for exceptional accuracy and reliability. Easy to use and designed to provide exceptional installation savings, the EPW2 Series is ideal for measuring pressure across pumps, filters, heat exchangers, compressors and other non-corrosive wet media applications.

Features

- Output switch for normal (4 to 20 mA) or reverse (20 to 4 mA) operation provides application flexibility
- Switch-selectable pressure ranges means fewer models to order and stock
- Rugged, die-cast enclosure provides NEMA 4 sealing
- Switch-controlled electronic surge dampening
- Pushbutton and remote zero adjustment. Maintain accuracy and reduce callbacks with automatic zero calibration.

Available Products

Part Number	Description
EPW103	Differential Pressure Transducer - Wet Media 0-50 psig 0-5VDC/0-10VDC/4-20mA
EPW103-LCD	Differential Pressure Transducer - Wet Media 0-50 psig 0-5VDC/0-10VDC/4-20mA with LCD
EPW104	Differential Pressure Transducer - Wet Media 0-100 psig 0-5VDC/0-10VDC/4-20mA
EPW104-LCD	Differential Pressure Transducer - Wet Media 0-100 psig 0-5VDC/0-10VDC/4-20mA with LCD
EPW105	Differential Pressure Transducer - Wet Media 0-250 psig 0-5VDC/0-10VDC/4-20mA
EPW105-LCD	Differential Pressure Transducer - Wet Media 0-250 psig 0-5VDC/0-10VDC/4-20mA with LCD
EPW2103	Differential Pressure Transducer - Wet Media 0-50 psig 4-20mA
EPW2103-LCD	Differential Pressure Transducer - Wet Media 0-50 psig 4-20mA with LCD
EPW2104	Differential Pressure Transducer - Wet Media 0-100 psig 4-20mA
EPW2104-LCD	Differential Pressure Transducer - Wet Media 0-100 psig 4-20mA with LCD
EPW2105	Differential Pressure Transducer - Wet Media 0-250 psig 4-20mA
EPW2105-LCD	Differential Pressure Transducer - Wet Media 0-250 psig 4-20mA with LCD

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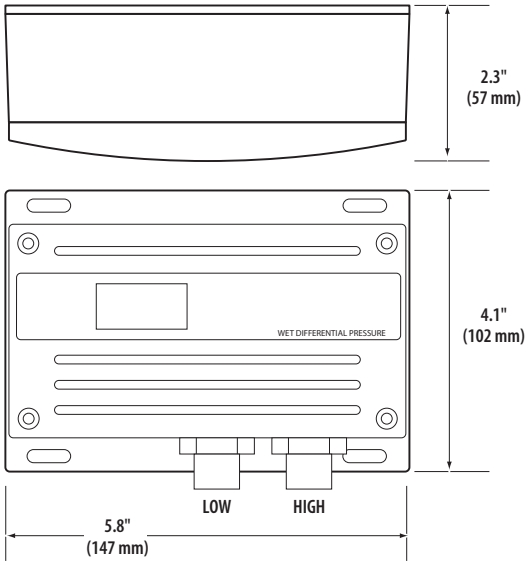
Specifications

Media Compatibility	17-4 PH stainless steel
Power Consumption	
EPW	DC: 125mA max., AC: 280mA max.
EPW2	29mA max.
Input Power	
EPW	Class 2; 15 to 30 Vdc, 24 Vac nom. 50/60 Hz*
EPW2	12-24 Vdc
Output	
EPW	3-wire transmitter; user selectable 4-20mA/0-5V/0-10V
EPW2	2-wire transmitter; 4-20mA; polarity insensitive (clipped and capped)
Pressure Ranges (Switch Selectable)	
103	0-50psig (5/10/25/50psid) / 0-3.45 barg (0.34/0.69/1.72bard)
104	0-100psig (10/20/50/100psid) / 0-6.89barg (0.69/1.38/3.45bard)
105	0-250psig (25/50/125/250psid) / 0-17.24barg (1.72/3.45/8.62bard)
Proof Pressure	2x max F.S. range**
Burst Pressure	5x max F.S. range**
Accuracy @ 25°C***	EPW: Ranges A and B: ±1% F.S. typical**; Range C: ±1.5% F.S. typical**; Range D: ±2% F.S. typical** EPW2: Ranges A, B and C: ±1% F.S. typical**; Range D: ±2% F.S. typical**
Surge Dampening	Electronic, selectable (1-second or 5-second averaging)
Temperature Compensated Range	0° to 50°C (32° to 122°F); TC Zero<±1.5% of product F.S.** per sensor; TS Span<±1.5% of product F.S.** per sensor
Sensor Operating Range	-20° to 85°C (-4° to 185°F)
Long Term Stability	±0.25% per year (all models)
Zero Adjust	Pushbutton autozero; digital input (2-position terminal block)
Zero Offset (Bidirectional and Port Swap modes only)	0.5%
Operating Environment	-10 to 50 °C (14 to 122 °F); 10 to 90% RH non-condensing
Fittings	1/8” NPT female, stainless 17-4 PH
Physical	White powder-coated aluminum, NEMA 4, IP65

Note: To conform to EMC standards, use shielded cabling.
*VFD systems and system wiring generate fields that can disrupt electrical devices Ensure that these fields are minimized and are not affecting the sensor or sensor wiring.
**F.S. is defined as full span of selected range in bi-directional mode.
***Accuracy combines linearity, hysteresis, and repeatability.

Dimensions



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