



# PRESSURE

## DIFFERENTIAL PRESSURE TRANSMITTER

### 231 SERIES

#### DESCRIPTION

The **231 Series Multi-Range Differential Pressure Transmitter** is ideal for monitoring pumps and load differential pressures in HVAC systems and processes where local indication is needed. The **231 Series** design provides users with field accessible ranging, choice of outputs, and field zero adjustment.

#### FEATURES

- *Field selectable ranges and outputs*
- *Field accessible pushbutton zero and remote zero*
- *Field selectable port swap*
- *True 4-20 mA output, and choice of VDC outputs*
- *Hinged cover*
- *Heavy duty aluminum NEMA 4 housing*
- *Optional LCD display*
- *RoHS compliant*



231 Series



#### SPECIFICATIONS

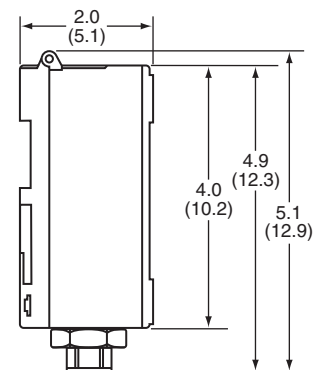
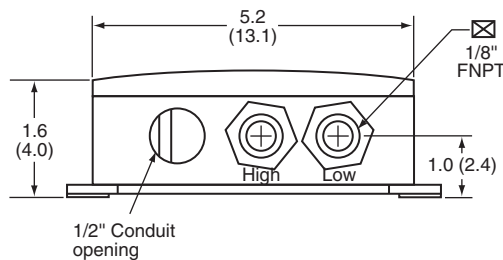
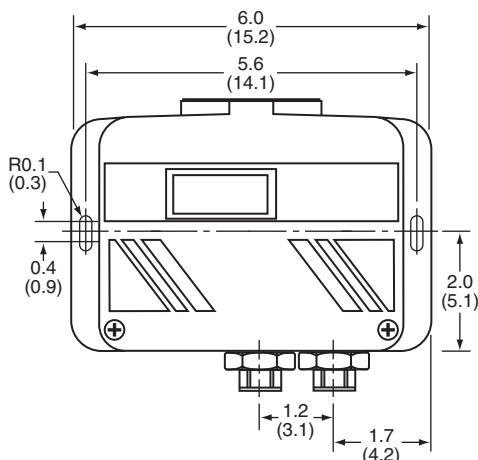
<b>Supply Voltage</b>	Current Model: 12-30 VDC
<b>Voltage Model:</b>	12-30 VDC/18-28 VAC
<b>Signal Output</b>	Current Model: 2-wire, 4-20 mA
<b>Voltage Model:</b>	3-wire, 0-5, 0-10, or 1-5 VDC
<b>Maximum Output Impedance (mA)</b>	600Ω @ 24 VDC
<b>Minimum Output Impedance (VDC)</b>	5000Ω
<b>Accuracy</b>	±1.0% FS (±2.0% FS for range D model )
<b>Overpressure</b>	2.2X full scale
<b>Burst Pressure</b>	40X full scale
<b>Measurement Range</b>	Upto 250 psi
<b>Response Time</b>	1-5 seconds (adjustable)
<b>Operating Temperature</b>	-4° to 185°F (-20° to 85°C)
<b>Compensated Temperature Range</b>	32° to 130°F (0° to 54°C)

<b>Wetted Parts</b>	17-4 PH Stainless Steel
<b>Media Compatibility</b>	Liquids or Gases Compatible with 17-4 PH Stainless Steel
<b>Note: Hydrogen not recommended for use with 17-4 PH stainless steel.</b>	
<b>Enclosure</b>	Die Cast Aluminum, Powder Coated
<b>Enclosure Rating</b>	NEMA 4
<b>Process Connection</b>	1/8" FNPT
<b>Wiring Terminations</b>	1/2" conduit entry (7/8" dia), screw/ crimp terminals
<b>Dimensions</b>	4.0"H x 6.0"W x 2.0"D (10.2 x 15.2 x 5.1 cm)
<b>Approvals</b>	CE, RoHS compliant
<b>Weight</b>	1.5 lbs (0.68 kg)
<b>Warranty</b>	1 Year

PRESSURE

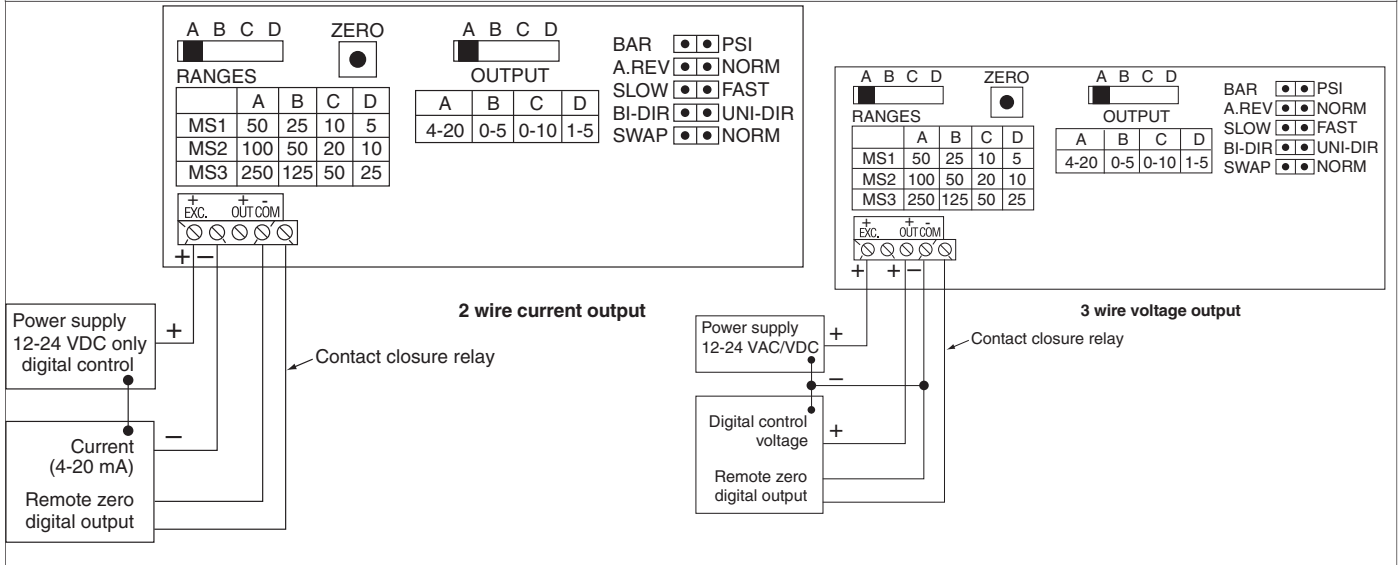
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#### DIMENSIONS





### WIRING



### ORDERING INFORMATION

MODEL	DESCRIPTION
231G	Wet to wet differential pressure transmitter
<b>RANGES: UNIDIRECTIONAL AND BIDIRECTIONAL</b>	
MS1	5, 10, 25, 50 psid and $\pm 5$ , $\pm 10$ , $\pm 25$ , $\pm 50$ psid
MS2	10, 20, 50, 100 psid and $\pm 10$ , $\pm 20$ , $\pm 50$ , $\pm 100$ psid
MS3	25, 50, 125, 250 psid and $\pm 25$ , $\pm 50$ , $\pm 125$ , $\pm 250$ psid
<b>PRESSURE CONNECTION</b>	
2F	1/8-18 NPT female (Standard)
<b>DISPLAY OPTION</b>	
N	No display
D	LCD display
<b>MANIFOLD OPTION</b>	
3VLV	3 valve bypass option

231G - MS1 - 2F - D - 3VLV

**Example:** 231G-MS1-2F-D-3VLV Setra differential pressure transmitter Model 231 ranging from 0 to 50 psid with LCD display and 3VLV bypass option.

47B-1  
47S-1  
PT

#### RELATED PRODUCTS

Brass piston style snubber  
Stainless steel piston style snubber  
1/4" pigtail syphon with fittings

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