Series 860
Pressure Transducer

Features & Applications

- Available in custom pressure ranges from 0/0.25”WC up to 0/15PSI, including bi-directional
- Output stability of <+-/0.5% FSO
- Perfect for a variety of air and inert gas applications such as duct static, VAV and fan control
- Easy wiring via a pluggable screw terminal block
- Pressure range calibrated to customer’s specific requirement
- Able to handle high overpressure
- Internally conditioned allowing it to automatically accept unregulated 12-24 VDC or 24 VAC power

Specifications

Accuracy*:	+/-1.0% FSO
Stability:	+/-0.5% FSO/yr
Thermal Effects:	+/-0.075% FSO/°C
Overpressure:	1-10”WC = 100”WC 11-20”WC = 10x rated pressure 21-30”WC = 5x rated pressure Over 30”WC = 45 PSI
FSO Pressure Range:	0/0.25”WC up to 0/15PSI (bi-directional ranges available)
Compensated Range:	10 to 50°C
Media:	Non-corrosive, non-ionic gases
Operating Humidity:	90% RH non-condensing
Operating Temp:	-25° to 70°C
Input Supply**:	12-24 VDC/24VAC**
Supply Current:	<10mA (Voltage Output) <30mA (Current Output)
Load Resistance:	2KΩ minimum on voltage out, 250Ω, maximum loop resistance on 4-20mA output (500Ω max loop resistance available upon request**)
Output Signal:	1-5VDC, 1-6VDC, 1-10VDC** or 4-20mA*** (call for custom outputs)
Electrical Connections:	Pluggable screw terminal block
Pressure Connections:	Barbed fitting for 1/8” ID tubing
Enclosure:	Impact resistant ABS plastic
Dimensions:	Approx. 3.5” x 2.7” x 1.4” (8.7cm x 6.8cm x 3.5cm)

* Includes non-linearity hysteresis and non-repeatability at a fixed temperature
** An input of 18-24VDC/AC is required to drive a 500Ω load; the same input is also required for a 1-10VDC output
*** 3-wire 4-20mA

Note: Air Flow Tech reserves the right to make changes at any time to any products herein. Air Flow Tech does not assume any liability arising out of the application or use of any product described herein, neither does it convey any license under its patent rights nor the rights of others.

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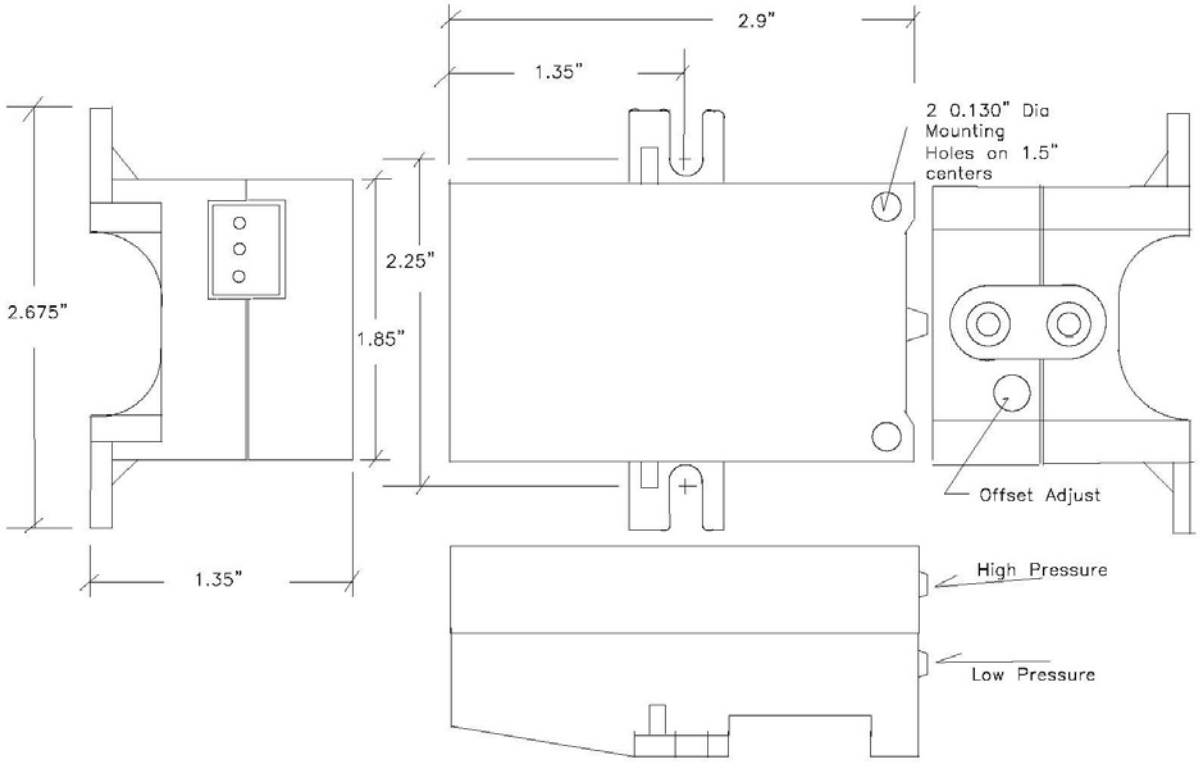
Physical Drawing



How to Order

A typical order number consists of the **model** number, **type**, **output signal**, **pressure range** and **calibration pressure**.

Model	Type	Output Signal	FSO Pressure Range	Calibration Pressure
860	D = Differential or Gage*	0…..1 to 5 volts 1…..1 to 6 volts 2…..1 to 10 volts** 3…..4-20mA (250Ω load) 4…..4-20mA (500Ω load)** 5…..Custom Output	0…..0.25"WC to 5"WC 1…..>5"WC to 13" WC 2…..>0.5PSI to 1PSI 3…..>1PSI to 5PSI 4…..>5PSI to 15PSI	Customer designated exact FSO

Example: **860D-01 Cal Pressure = 6" WC**. *"Pressure Range" is not a specific number. Please indicate exact calibration pressure*. (This unit has an output of 1-5 VDC and will be calibrated to 6" WC.) If a custom output is needed, the exact output must be specified.

* *With a gage application, one of the two pressure ports is vented to atmosphere*

** *With a 1-10 VDC output as well as with a 4-20mA output that needs to drive a 500Ω load a 18-24 VDC/24VAC input is required.*

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