SERIES 668 | COMPACT DIFFERENTIAL PRESSURE TRANSMITTER

FEATURES/BENEFITS

- **Good accuracy at low pressure ranges provides exceptional value for ensuring control and minimizing costly out of specification conditions**
- **High overpressure rating eliminates possible damage to unit reducing unnecessary service time**

APPLICATIONS

- Variable air volume systems
- HVAC
- Building management

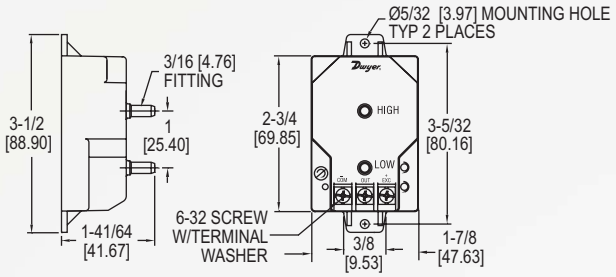
DESCRIPTION

Our low cost **Series 668 Differential Pressure Transmitter** is capable of measuring low pressures with a ±1% accuracy - ideally suited for proper building pressurization and air flow control. Transmitters can withstand up to 10 psig overpressure with no damage to the unit. Variable capacitance sensor design provides excellent sensitivity and long-term stability. Compact, lightweight design makes installation simple and easy. Units also feature reverse-polarity protection.

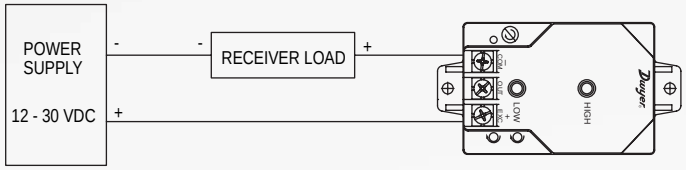
SPECIFICATIONS

Service	Air and non-conductive gases.
Accuracy	±1% FS (RSS), (includes non-linearity, hysteresis, and non-repeatability).
Temperature Limits	Operating: 0 to 150°F (-18 to 65°), Storage: -40 to 185°F (-40 to 85°C).
Pressure Limits	10 psig (0.69 bar).
Compensated Temperature Range	0 to 150°F (-18 to 65°C).
Thermal Effects	0.033% FS/°F (0.18% FS/°C).
Supply Voltage	12 to 30 VDC.
Output	4 to 20 mA, 2-wire.
Zero and Span Adjustment	± mA, non-interactive.
Response Time	<60 msec.
Loop Resistance	0 to 800 Ω.
Electrical Connection	Terminal strip.
Pressure Connection	3/16″ OD fitting for 1/4″ ID tubing.
Housing	Fire retardant glass filled polyester.
Weight	3 oz (85 g).
Agency Approval	CE.

DIMENSIONS



WIRING DIAGRAM



HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.

668 **-10** **-NISTCAL-PT1**

SERIES

668: Compact differential pressure transmitter
668C: Compact differential pressure transmitter with conduit cover

OPTIONS

-NISTCAL-PT1: NIST traceable calibration certificate

RANGE

Standard	Bi-Directional
-1: 0 to 0.25 in w.c.	**-10:** 0 to ±0.1 in w.c.
-2: 0 to 0.5 in w.c.	**-11:** 0 to ±0.25 in w.c.
-3: 0 to 1 in w.c.	**-12:** 0 to ±0.5 in w.c.
-4: 0 to 2.5 in w.c.	**-13:** 0 to ±1 in w.c.
-5: 0 to 5.0 in w.c.	**-14:** 0 to ±2.5 in w.c.
-6: 0 to 10 in w.c.	**-15:** 0 to ±5 in w.c.
-7: 0 to 25 in w.c.	**-16:** 0 to ±10 in w.c.
-8: 0 to 50 in w.c.	**-17:** 0 to ±25 in w.c.
-9: 0 to 100 in w.c.	**-18:** 0 to ±50 in w.c.
-19: 0 to 0.4 in w.c.	**-20:** -0.05 to 0.20 in w.c.

ACCESSORIES

Model	Description
A-489	4″ straight static pressure tip with flange
A-302F-A	303 SS static pressure tip with mounting flange; fir 3/16″ ID rubber or plastic tubing; 4″ insertion depth; includes mounting screws

ORDER ONLINE TODAY!

dwyer-inst.com/Product/Series668

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