



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

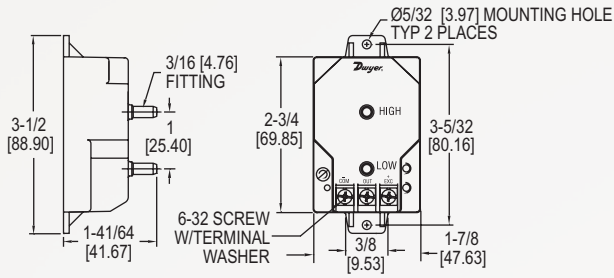
DESCRIPTION

Our low cost **Series 668 Differential Pressure Transmitter** is capable of measuring low pressures with a $\pm 1\%$ 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.

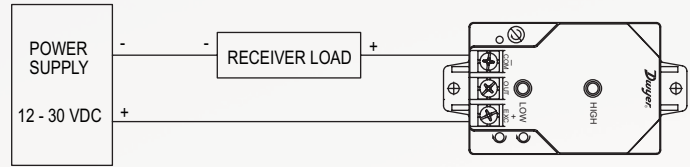
SPECIFICATIONS

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|--------------------------------------|--|
| Service | Air and non-conductive gases. |
| Accuracy | $\pm 1\%$ 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 | \pm 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.

| | | |
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| <p>SERIES</p> <p>668: Compact differential pressure transmitter</p> <p>668C: Compact differential pressure transmitter with conduit cover</p> | <p>RANGE</p> <p>Standard</p> <ul style="list-style-type: none"> -1: 0 to 0.25 in w.c. -2: 0 to 0.5 in w.c. -3: 0 to 1 in w.c. -4: 0 to 2.5 in w.c. -5: 0 to 5.0 in w.c. -6: 0 to 10 in w.c. -7: 0 to 25 in w.c. -8: 0 to 50 in w.c. -9: 0 to 100 in w.c. -19: 0 to 0.4 in w.c. <p>Bi-Directional</p> <ul style="list-style-type: none"> -10: 0 to ±0.1 in w.c. -11: 0 to ±0.25 in w.c. -12: 0 to ±0.5 in w.c. -13: 0 to ±1 in w.c. -14: 0 to ±2.5 in w.c. -15: 0 to ±5 in w.c. -16: 0 to ±10 in w.c. -17: 0 to ±25 in w.c. -18: 0 to ±50 in w.c. -20: -0.05 to 0.20 in w.c. | <p>OPTIONS</p> <p>-NISTCAL-PT1: NIST traceable calibration certificate</p> |
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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-instruments.com/Product/Series668



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