

Pressure Sensor

Descriptions

The Temco Pressure Monitor is used to measure differential pressure in the range of -8 to +8"WC, -10 to +10"WC & +/-100PSI.

It combines precision high sensitivity silicon sensing capabilities and the latest ASIC technology to substantially reduce offset errors due to changes in temperature, stability to warm up, long term instability and position sensitivity.

It features an LCD to display the pressure value and field-selectable output signal types for the most flexible application. The device has an on-board auto-zero function. It also features two optional output : PID control type and transducer type.

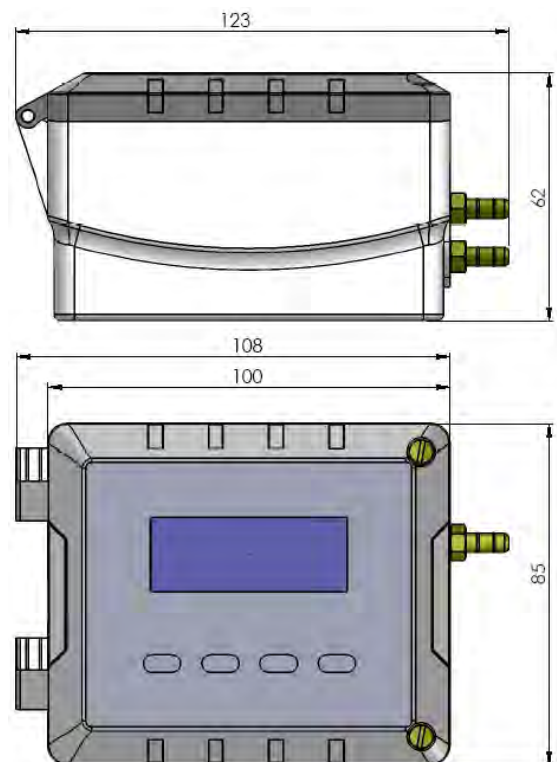
Features:

- LCD indication
- Jumper selectable outputs
- Precision silicon sensor
- Functional and attractive enclosure
- Installer friendly wiring access
- 2.5% Typical Error over +10°C to +60°C with Auto Zero
- 6.25% Maximum Error over +10°C to +60°C without Auto Zero
- Temperature Compensated over +10°C to +60°C
- Differential Input
- 8 units available: inWC, inHg, mmHg, PSI, atm, Bar, Pa, & kg/cm²



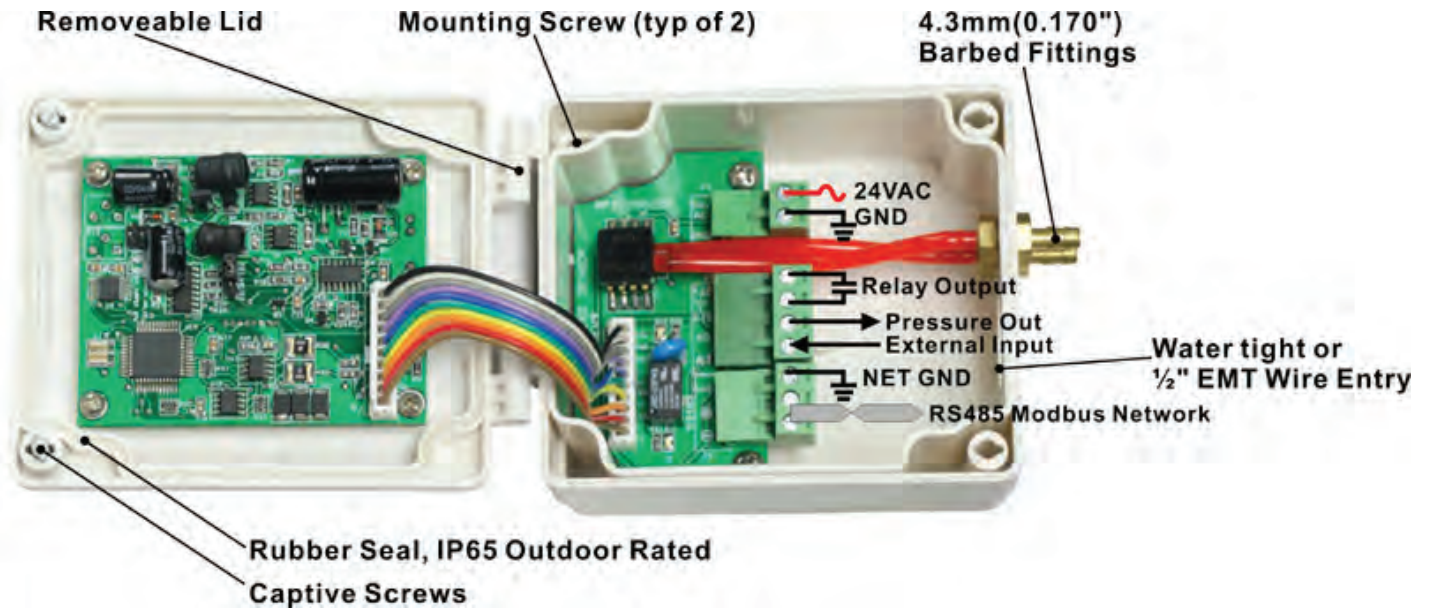
Technical Data

| | |
|-----------------------|---|
| Operating Temperature | 10 ~ 60°C (50 ~ 140°F) for -8~+8inWC -10 ~ +85°C (-50 ~ 185°F) for -10~+10inWC -40 ~ +85°C (-40 ~ 185°F) for +/-100PSI |
| Supply Voltage | 12~24VAC/DC ± 10% |
| Power Consumption | 50mA @ 12VDC |
| Relay Contacts Rating | 0.5A / 125VAC, 1A / 24VDC |
| Range | User adjustable to any user defined span within full scale |
| Accuracy | Motorola Typ. +/-2.5% full scale -8 ~ +8inWC ProtoTyp. +/-1% full scale -10 ~ +10inWC Honeywell Typ. +/-0.5% full scale +/-100PSI |
| Burst Pressure | Motorola +/-5PSI Proto 30inch Honeywell +/-200PSI |
| Plastic Housing | Flammability rating UL 94V0 file E194560 |



Unit: mm

Highlights & Wiring



Part Number Scheme

