



MAMAC



PR264

DESCRIPTION

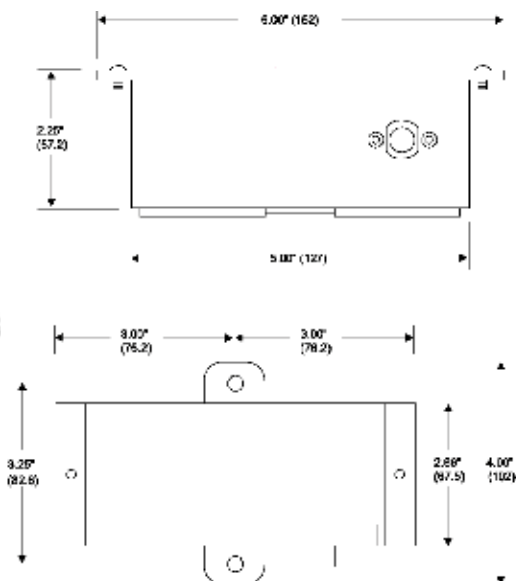
The **MAMAC Systems Model PR264 Pressure Transmitter** incorporates sophisticated integrated circuits and a new fused silicon monolithic cavity pressure sensor to not only provide a high-level, fully-conditioned and temperature compensated output, but also to offer up to three (3) field selectable pressure ranges in one unit. The field selectable feature eliminates costly inefficiencies by providing a single unit which can be configured to cover all the pressure ranges for a particular application. For instance, 25.0, 50.0, and 100.0 psig in one unit. The stainless steel monolithic pressure cavity not only provides media compatibility for most of the applications, but also offers a leak-proof solution for today's environment conscious customers.

Two industry standard output versions are available, 4-20mA 2-wire loop or field selectable 0-5 VDC/0-10 VDC. Wide 12-40 VDC or 12-35 VAC unregulated supply voltage and a broad 0°F - 180°F compensated temperature range ensures compatibility to most of the applications. Rugged NEMA 4 (IP-65) enclosure, gasketed cover, external mounting bracket, fully temperature compensated NIST traceable accuracy and a liberal five year warranty are some of the features which make the **Model PR264** the industry's most reliable, rugged, and economical pressure sensor.

FEATURES

- **100% solid state fused silicon pressure sensor**
- **Rugged, leak-proof stainless steel monolithic pressure cavity with no welds, o-rings, or seams/bonds**
- **Up to 3 field selectable ranges in one unit**
- **Rugged NEMA-4 (IP-65) enclosure with external mounting bracket**
- **Short circuit and reverse polarity protected**
- **Conforms to EMC and RoHS standards**

DIMENSIONS



SPECIFICATIONS

| | | | |
|---|---|--|---|
| Supply Voltage Current output Voltage output Accuracy Signal Output (Volts,Current) Sensor Type Adjustments (Z/S) Normal Measurement Range Overpressure (Burst) Max Operating Pressure (Proof) Operating Temperature | 12 to 40V DC @ 20 mA 12 to 40 VDC, 12 to 35 VAC @ 10 mA ±1% Full scale 0-5V @ 1KΩ, 0-10V @ 1KΩ, 4-20 mA @ 600Ω Silicon pressure sensor Zero & Span trim POTS 3 selectable PSIG/kPa ranges (See ordering) 300% of max pressure range 500% of max pressure range 0° to 180°F (-18° to 82°C) | Operating Humidity Wetted Parts Media Compatibility Process Connection Wiring Terminations Mounting Enclosure Rating Dimensions Weight Approvals Warranty | 10 to 90% Non-condensing 316 stainless steel Liquid/Gasses compatible w/316 SS 1/8" FNPT 1/2" gland, Terminals- 2 used-(4-20mA), 3-(Volts) 2 , #8 screws Painted Metal, NEMA 4, (IP66), or panel mount 6.0"W x 2.25"H x 4.0"D, (15.2 x 5.7 x 10.2 cm) 1.0 lb (0.45 kg) CE, RoHS 5 years |
|---|---|--|---|



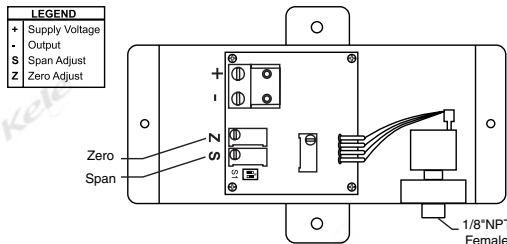
PRESSURE

PRESSURE TRANSMITTER

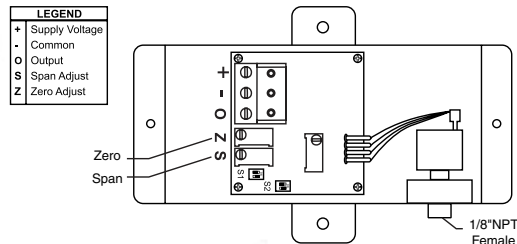
PR264 SERIES

WIRING

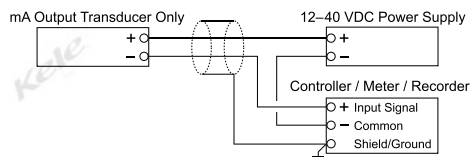
Wiring Units with mA Output



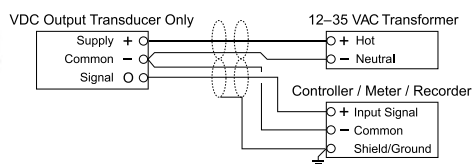
Wiring Units with VDC Output



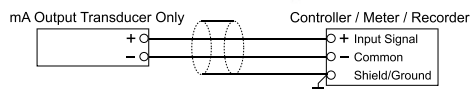
Wiring for mA Output Pressure Transducers with an External DC Power Supply



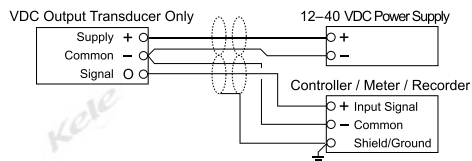
Wiring for VDC Output Pressure Transducers when Applied with External AC Supply



Wiring for mA Output Transducers where the Controller or Meter has Internal DC Power Supply



Wiring for VDC Output Pressure Transducers when Applied with External DC Power Supply



ORDERING INFORMATION

| MODEL | DESCRIPTION |
|-----------------------|--------------------------------------|
| PR264 | Pressure sensor |
| PRESSURE RANGE | |
| R1 | 0-25 / 50 / 100 psig |
| R2 | 0-75 / 150 / 300 psig |
| R3 | 0-125 / 250 / 500 psig |
| R4 | 0-175 / 350 / 700 KPa |
| R5 | 0-500 / 1000 / 2000 KPa |
| R6* | 0-875 / 1750 / 3500 KPa |
| OUTPUT | |
| mA | 4-20 mA 2-wire |
| VDC | 0-5 VDC or 0-10 VDC field selectable |

PR-264 - R1 - mA

Example: PR-264-R1-mA Pressure sensor, 0-25 / 50 / 100 psig range with 4-20 mA 2-wire output.