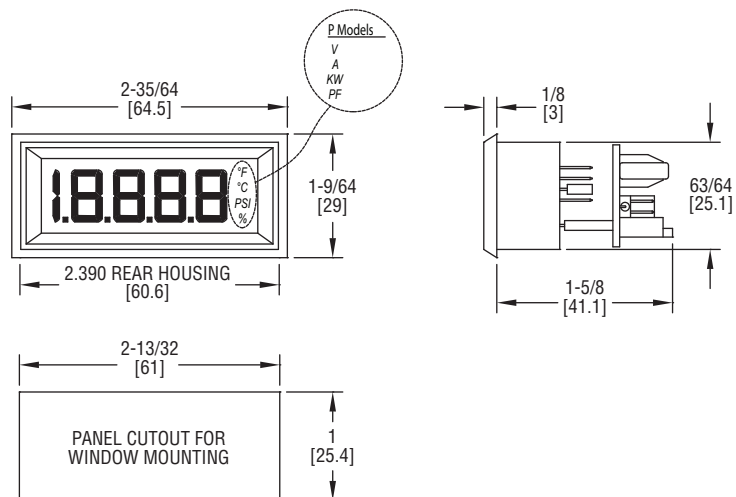




Series DPML-5 LCD Digital Panel Meter

Specifications - Installation and Operating Instructions

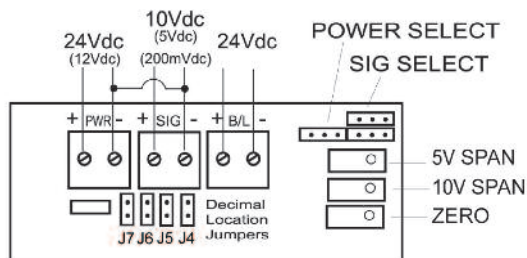


The Series DPML-5 LCD Digital Panel Meter is easy-to-read, even at a distance. The meter is designed with a large 4-1/2 digit LCD display with a choice of red, amber or green segments. The meter features adjustable zero and span, user selectable decimal point position, and selectable 12 VDC or 24 VDC power supply. The backlight requires a 24 VDC power supply. Installation is quick with the snap-in bezel mounting.

INSTALLATION

The Series DPML-5 is designed to snap into a 2.4" W x 1" H (61 x 25.4 mm) panel cutout. No additional hardware is required.

WIRING



(upper)
WIRING

Figure 1

The unit is powered by a 12 or 24 VDC power supply and the screw terminals for wiring are located on the back of the adder board marked with + PWR - (see Figure 2). Move the power select jumper for the appropriate power supply value. The backlighting requires a 24 VDC power supply and should be connected to terminals identified with + B/L -.

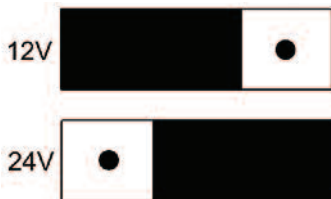


Figure 2

SPECIFICATIONS

- Input:** 0 to 200 mVDC, 0 to 5 VDC, or 0 to 10 VDC.
- Input Impedance:** 390KΩ nominal.
- Accuracy:** ±(0.1% FS + 2 count).
- Power Supply:** 12 VDC or 24 VDC.
- Backlight Power Supply:** 24 VDC @ 35 mA typical.
- Span and Zero:** Adjustable (+19999 counts).
- Display:** 4-1/2 digits, 7 segments, 0.45" (11.4 mm) H.
- Decimal Points:** 4-position, user selectable.
- Engineering Units:** DPML-XXX: °F, °C, %, PSI; DPML-XXXP: V, A, KW, PF.
- Polarity:** Automatic, "-" displayed.
- Operating Temperature:** 32 to 122°F (0 to 50°C).
- Storage Temperature:** -4 to 158°F (-20 to 70°C).
- Mounting:** Snap-in bezel mount.
- Connection:** Screw terminals.
- Conversion Rate:** 3 per second.
- Warm-Up:** 10 minutes typical.
- Weight:** 2 oz (56.7 g).
- Agency Approvals:** RoHS.

The unit accepts 5 VDC, 10 VDC or 200 mV connected to terminals identified with + SIG -. Wire input according to Figure 1. Set the signal select jumper for the appropriate input (see Figure 3).

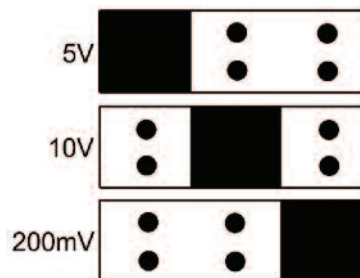


Figure 3

OPERATION

Selecting Engineering Units

Four sets of jumper pins are located in the back of the meter, between the meter and the adder board. Move the jumper to fit over the appropriate pins which correspond to the desired engineering units. See Figure 2.

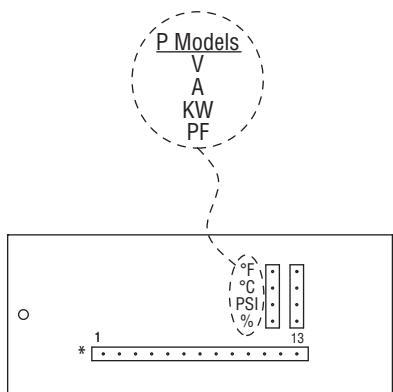


Figure 4

Selecting Decimal Point Position

Five decimal point positions are available on the digital process meter, J4-J7. Move the jumper to correspond to the desired decimal point location. See Figure 3.

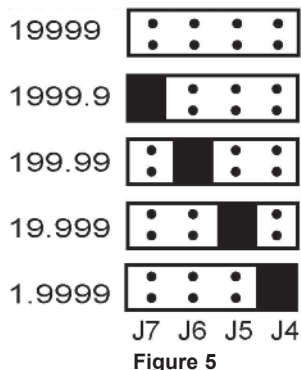


Figure 5

MAINTENANCE/REPAIR

Upon final installation of the Series DPML-5, no routine maintenance is required. The Series DPML-5 is not field serviceable and should be returned if repair is needed. Field repair should not be attempted and may void warranty.

WARRANTY/RETURN

Refer to "Terms and Conditions of Sale" in our catalog and on our website. Contact customer service to receive a Return Goods Authorization number before shipping the product back for repair. Be sure to include a brief description of the problem plus any additional application notes.