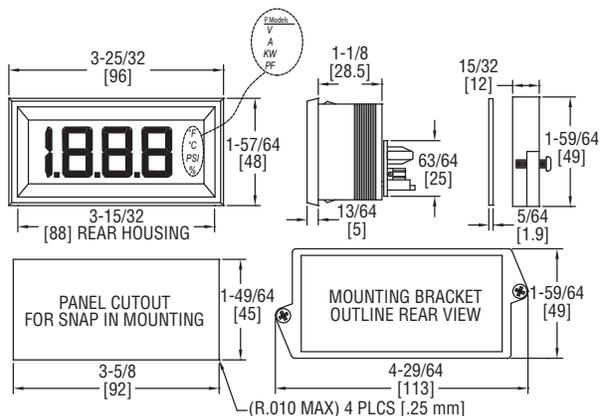




Series DPMA-5 Adjustable LCD Digital Panel Meters

Specifications - Installation and Operating Instructions



Series DPMA-5 Adjustable Panel Meter offers a large 1", 3-1/2 digit display for easy viewing in a standard 1/8 DIN package. Unit accepts voltage inputs with a wide bipolar span and zero adjustment. Standard features include field selectable engineering units and decimal point positions. Choose from red, amber, or green segments for easy viewing at a distance. A separate 24 VDC power supply is required for the operation of the backlight.

INSTALLATION

The Series DPMA-5 is designed to snap into a 3.62" (92 mm) W x 1.77" (45 mm) H panel cutout. No additional hardware is required.

WIRING

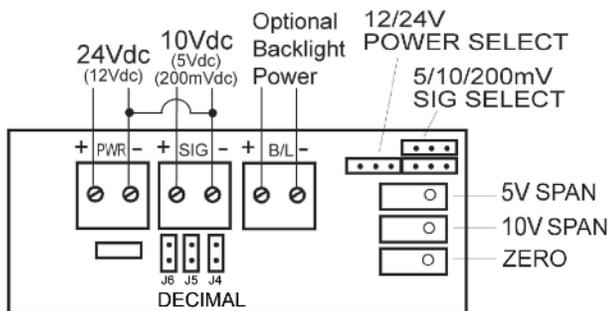


Figure 1

Three sets of jumper pins are located on the back of the meter. Move the jumper to fit over the appropriate pins which correspond to the desired signal input voltage, supply voltage and decimal point position. An external 12 or 24 VDC power supply is required to power the meter and should be connected to the screw terminal marked with "+pwr-" (see Figure 2). The backlighting requires a separate 24 VDC power supply and should be connected to terminals identified with "+B/L-".

SPECIFICATIONS

- Input:** 0 to 200 mVDC, 0 to 5 VDC, or 0 to 10 VDC.
- Input Impedence:** 390KΩ nominal.
- Accuracy:** ±(0.05% FS + 1 count).
- Power Supply:** 12 VDC or 24 VDC.
- Backlight Power Supply:** 24 VDC @ 35 mA typical.
- Span and Zero:** Adjustable. (±1999 counts).
- Display:** 3-1/2 digits, 7 segments, 1" (25.4 mm) H.
- Decimal Points:** 3-position, user selectable.
- Engineering Units:** DPMA-XXX: °F, °C, %, PSI; DPMA-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 panel mount or clamp (gasket included).
- Connection:** Screw terminals.
- Conversion Rate:** 3 per second.
- Warm-up:** 10 minutes typical.
- Weight:** 4 oz (113.4 g).
- Agency Approvals:** RoHS.

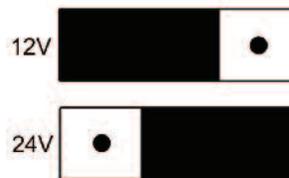


Figure 2

The unit accepts 200 mVDC, 5 VDC, or 10 VDC. Wire the input signal to terminal "+sig-" and put a jumper between "-sig" and "-pwr" (see Figure 3).

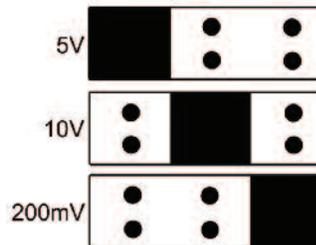


Figure 3

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 1 Example shows °C turned on.

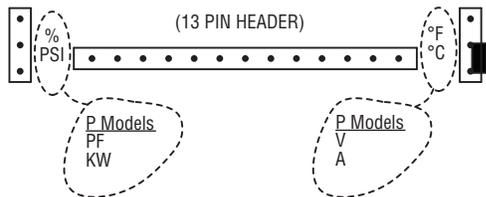


Figure 4

MAINTENANCE/REPAIR

Upon final installation of the Series DPMA-5, no routine maintenance is required. The Series DPMA-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.

Selecting Decimal Point Position

Four decimal point positions are available on the digital panel meter. Move the jumper to correspond to the desired decimal point location. See Figure 5.

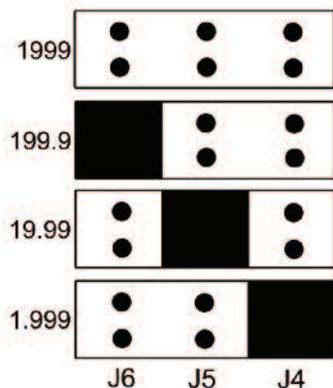


Figure 5