



HVPI-4E, HVPI-4EW Series

4.5 Digit LCD Panel Meter



Adjustable Voltage Powered 4½ Digit LCD

Specifications

Display

Digits: 4 ½ digits (± 19999 counts)
 Type: 0.45" (11.4 mm) 7 segment LCD

Backlighting:

Optional Red Negative
 (red numbers/black background)
 Optional Green Negative
 (green numbers/black background)
 Optional Amber Negative
 (amber numbers/black background)
 Optional Green Positive
 (black numbers/green background)

Polarity:

automatic, "-" displayed

Annunciators:

°F, °C, PSI, % user-selectable or
 V, A, KW, PF

Decimal Points:

4 position, user-selectable

Overrange:

four lower order digits blank for inputs
 > 19999 & < -19999

Inputs

Ranges: 0-10 VDC, 0-5 VDC or 0-200 mV DC
 Configuration: single ended
 Impedance: 390K Ω min.

Performance

Accuracy: $\pm(0.1\% \text{ fs} + 2 \text{ count})$
 Conversion Rate: 3 per second
 Normal Mode Rejection: $>30 \text{ dB @ } 60 \text{ Hz}$
 Adjustments: span (gain) (2) (10V and 5V)
 and zero (offset)
 Warmup: 10 minutes typical
 Temperature Coeff.: $\pm 100 \text{ ppm per } ^\circ\text{C}$ typical
 Offset Range: -19999 to +19999
 Gain Range: 1-20000 counts above adjusted zero

Environment

Operating Range: 0 to 50 °C
 Storage Range: -10 to 70 °C

Power Supply

12 VDC or 24 VDC regulated
 (selectable)

Optional Backlight:

24 VDC at 35 mA typical

Mounting

snap-in bezel mount,
 window mount (optional)

Connection

2 screw terminal (4 with backlight)

Features

- Low-cost, high-performance replacement for many OEM DPMs.
- Optional RED, GREEN or AMBER backlighting.
- Snap-in bezel mount eliminates mounting hardware.
- Resistant to RF and EMI.
- Optional window mount.
- 4½ digits with high-contrast LCD.
- 12V or 24V DC voltage-powered.
- User-selectable, displayed engineering units.

Ordering Information

SNAP-IN:

Part #	Backlight Color	Backlight Power
HVPI-4*E	NO BACKLIGHT	NONE
HVPI-4*EAN	NEG AMBER	24 VDC
HVPI-4*EGN	NEG GREEN	24 VDC
HVPI-4*ERN	NEG RED	24 VDC
HVPI-4*EGP	POS GREEN	24 VDC

WINDOW:

Part #	Backlight Color	Backlight Power
HVPI-4*EW	NO BACKLIGHT	NONE
HVPI-4*EANW	NEG AMBER	24 VDC
HVPI-4*EGNW	NEG GREEN	24 VDC
HVPI-4*ERNW	NEG RED	24 VDC
HVPI-4*EWG	POS GREEN	24 VDC

*Add (P) for Power Engineering Units V, A, KW, PF

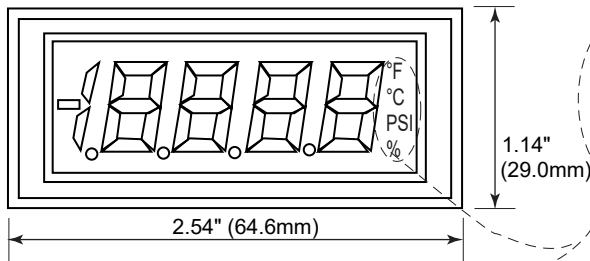


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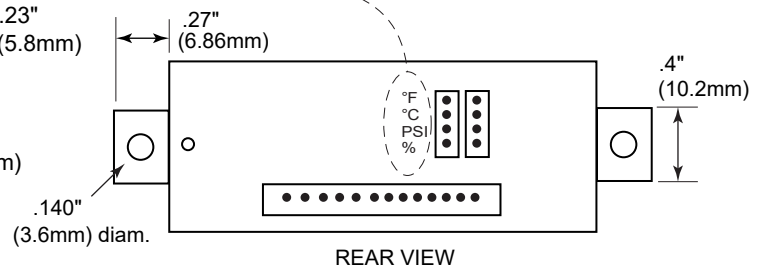
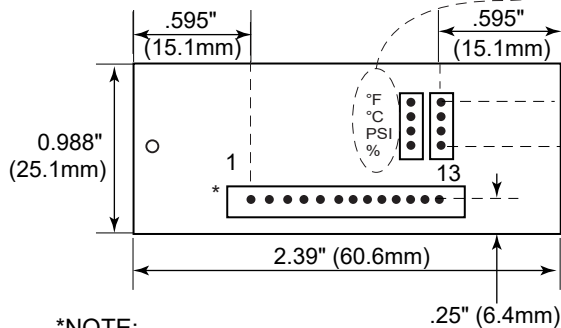
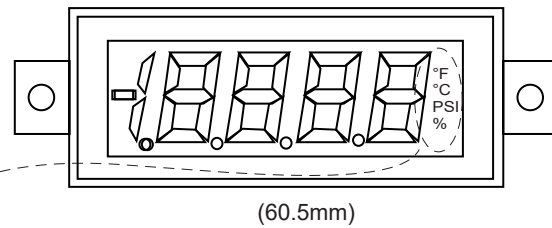
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Dimensions

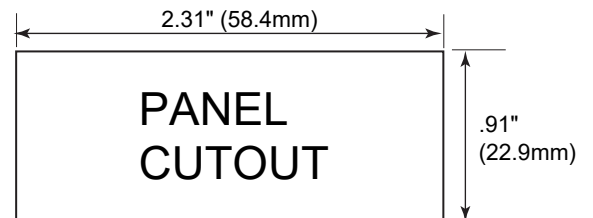
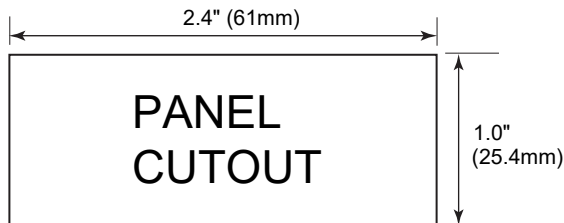
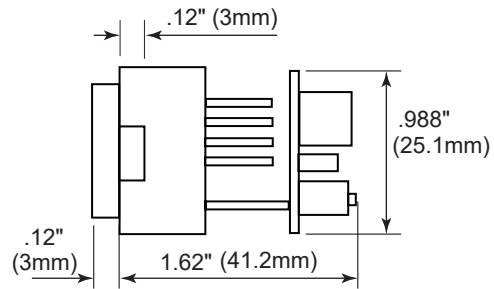
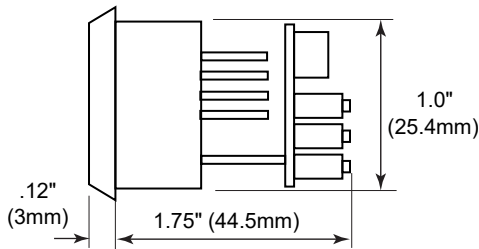
Bezel Mount



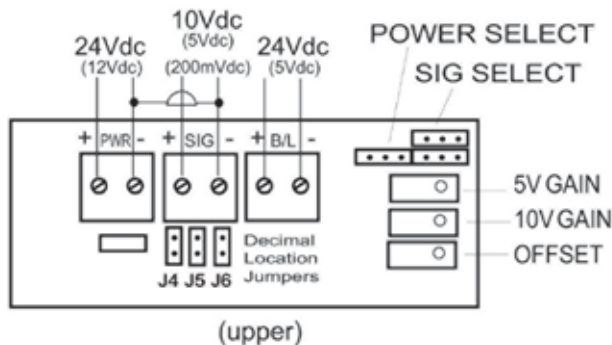
Window Mount



*NOTE:
(13) .025" square pins on .1" centers



Wiring



Decimal Point Selection

1. Locate jumpers J4 through J6 in the middle of the circuit board unit.

2. Jumper the appropriate decimal location as follows:

- J4 - 000.0
- J5 - 00.00
- J6 - 0.000
- None - 0000