



HVPI-3E, HVPI-3EW Series

3.5 Digit LCD Panel Meter

Adjustable Voltage Powered 3½ Digit LCD

Specifications

Display

Digits: 3 ½ digits (±1999 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: 3 position, user-selectable

Overrange: three lower order digits blank for inputs >1999 & < -1999

Inputs

Ranges: 0-10 VDC, 0-5 VDC or 0-200 mV DC

Configuration: single ended

Impedance: 390 KΩ min.

Performance

Accuracy: ±(0.1% fs + 2 count)

Conversion Rate: 3 per second

Normal Mode Rejection: >30 dB @ 60 Hz

Adjustments: span (gain) (2) (10V and 5V) and zero (offset)

Warmup: 10 minutes typical

Temperature Coeff.: ± 100 ppm per °C typical

Offset Range: -1999 to +1999

Gain Range: 1-2000 counts above adjusted zero

Environment

Operating Range: 0 to 50 °C

Storage Range: -10 to 60 °C

Power Supply

12 VDC or 24 VDC regulated (selectable)

Optional Backlight: 24 VDC at 35 mA typical

Mounting

HVPI-3E snap-in bezel mount

HVPI-3EW window mount (optional)

Connection

4 screw terminal (6 with backlight)



Features

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

Ordering Information

SNAP-IN:

Part Number	Backlight Color	Backlight Power
HVPI-23*E	NO BACKLIGHT	NONE
HVPI-A3*EAN	NEG AMBER	24 VDC
HVPI-3*EGN	NEG GREEN	24 VDC
HVPI-3*ERN	NEG RED	24 VDC
HVPI-3*EGP	POS GREEN	24 VDC

WINDOW:

Part Number	Backlight Color	Backlight Power
HVPI-23*EW	NO BACKLIGHT	NONE
HVPI-A3*EANW	NEG AMBER	24 VDC
HVPI-3*EGNW	NEG GREEN	24 VDC
HVPI-3*ERNW	NEG RED	24 VDC
HVPI-3*EWGP	POS GREEN	24 VDC

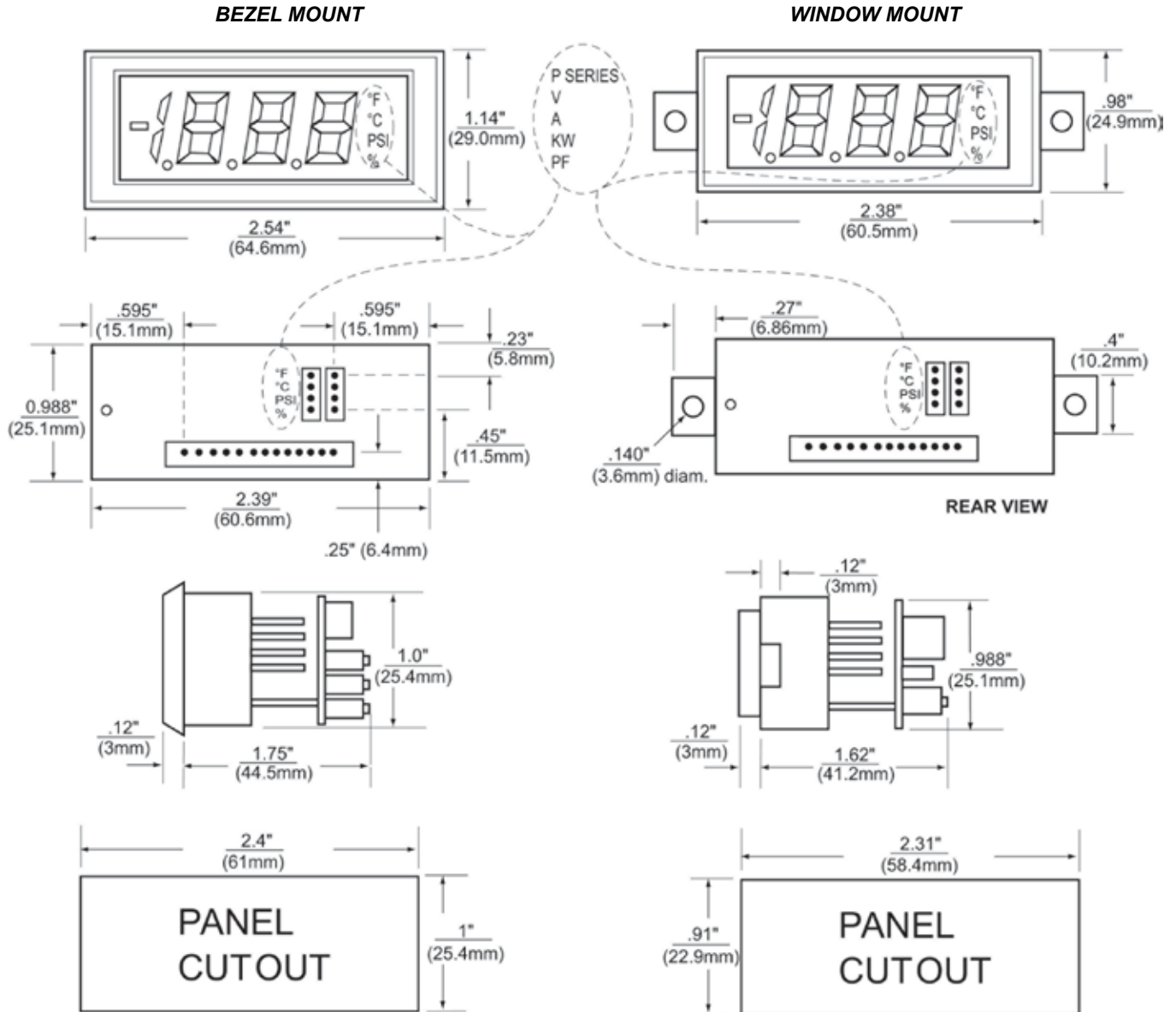
*Add (P) for Power Engineering Units V, A, KW, PF



HVPI-3E, HVPI-3EW Series

3.5 Digit LCD Panel Meter

Dimensions



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

