



HVPI-4E/4EW Series

4.5 Digit Voltage Powered LCD Panel Meter



Adjustable Voltage Powered 4½ Digit LCD

Ordering Information

Part #	Backlight Color	Backlight Power
HVPI-4E SNAP-IN:		
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
HVPI-4EW WINDOW:		
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

Accessories

HPW2-12	Regulated 120V AC to 12V DC Power Supply
HPW2-24	Regulated 120V AC to 24V DC Power Supply
HCVC	Calibrator

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.

Specifications

Display

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

Backlighting: Red Negative (red numbers/black background)
 Optional: Green Negative (green numbers/black background)
 Amber Negative (amber numbers/black background)
 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: 4 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: 390KΩ 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: -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

Optional Backlight: 12 VDC or 24 VDC regulated (selectable)
 24 VDC at 35 mA typical

Mounting

snap-in bezel mount,
 window mount (optional)

Connection

2 screw terminal (4 with backlight)



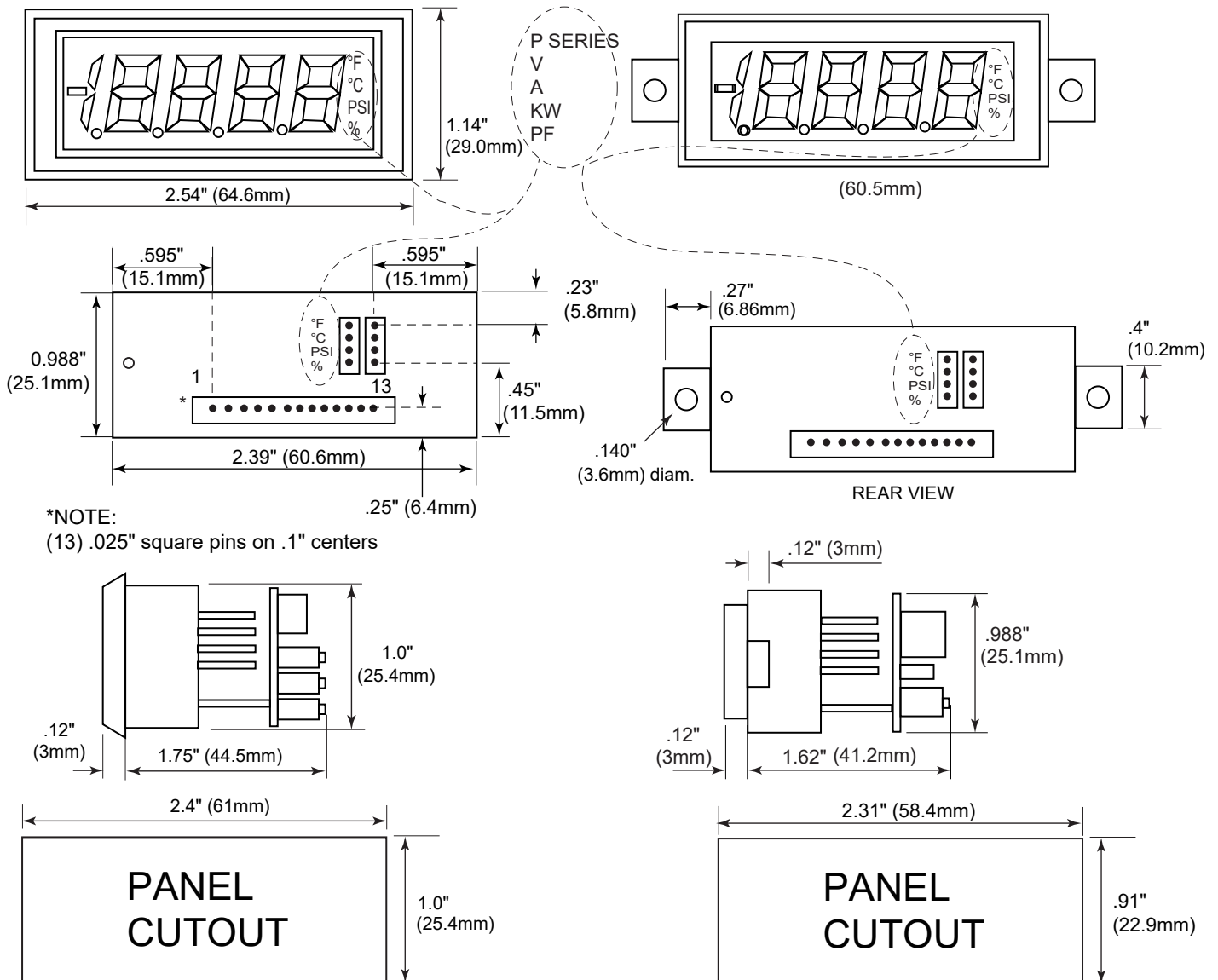
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Dimensions

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

