



LCD Digital Panel Meters

Digital Meters

Adjustable Voltage Powered 3½ Digit LCD



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
- 3½ digits with high-contrast LCD
- 12V or 24V DC voltage-powered
- User-selectable, displayed engineering units

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 K 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: -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

Optional Backlight: 12 VDC or 24 VDC regulated (selectable)

MOUNTING

24 VDC at 35 mA typical
 snap-in bezel mount
 window mount (optional)

CONNECTION

4 screw terminal (6 with backlight)

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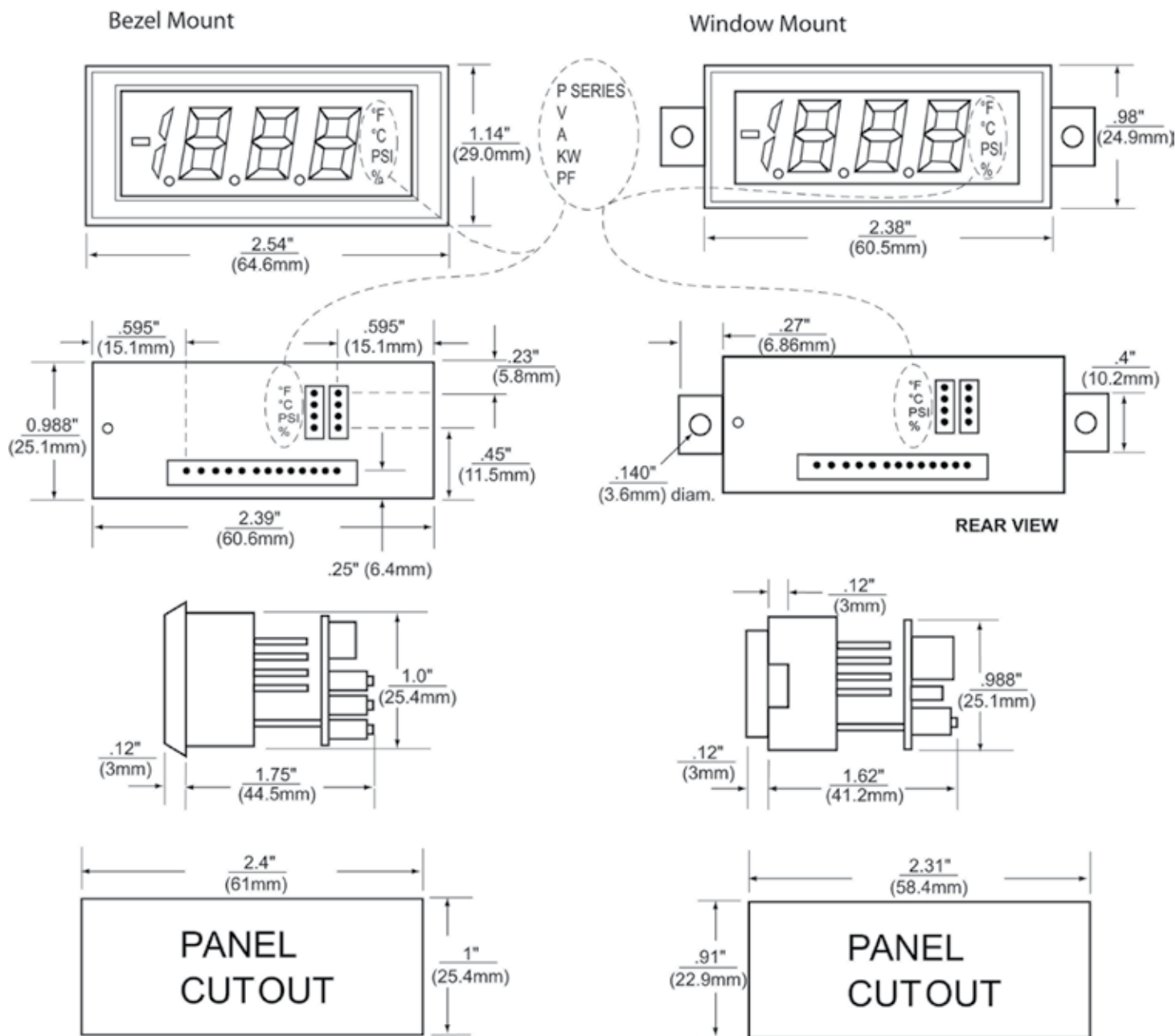


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DIMENSIONS



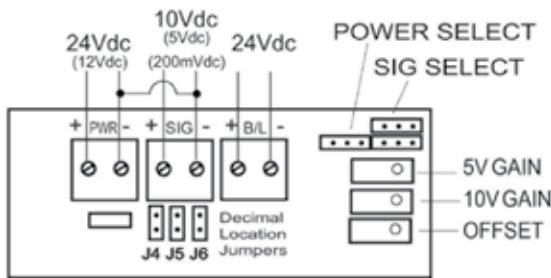


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JUMPER SELECTION & WIRING



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

HOW TO ORDER

PART NUMBER	BACKLIGHT COLOR	BACKLIGHT POWER
SNAP-IN:		
HVPI-3E*	NO BACKLIGHT	NONE
HVPI-3EAN*	NEG AMBER	24 VDC
HVPI-3EGN*	NEG GREEN	24 VDC
HVPI-3ERN*	NEG RED	24 VDC
HVPI-3EGP*	POS GREEN	24 VDC
WINDOW:		
HVPI-3EW*	NO BACKLIGHT	NONE
HVPI-3EANW*	NEG AMBER	24 VDC
HVPI-3EGNW*	NEG GREEN	24 VDC
HVPI-3ERNW*	NEG RED	24 VDC
HVPI-3EWGP*	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	