



LCD Digital Panel Meters

Epic Series - 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
 Impedence: 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

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

MOUNTING

snap-in bezel mount
 window mount (optional)

CONNECTION

4 screw terminal (6 with backlight)

ORDERING INFO

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

ACCESSORIES

PW2-12.....	Regulated 120V AC to 12V DC Power Supply
PW2-24	Regulated 120V AC to 24V DC Power Supply
CVC	Calibrator

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

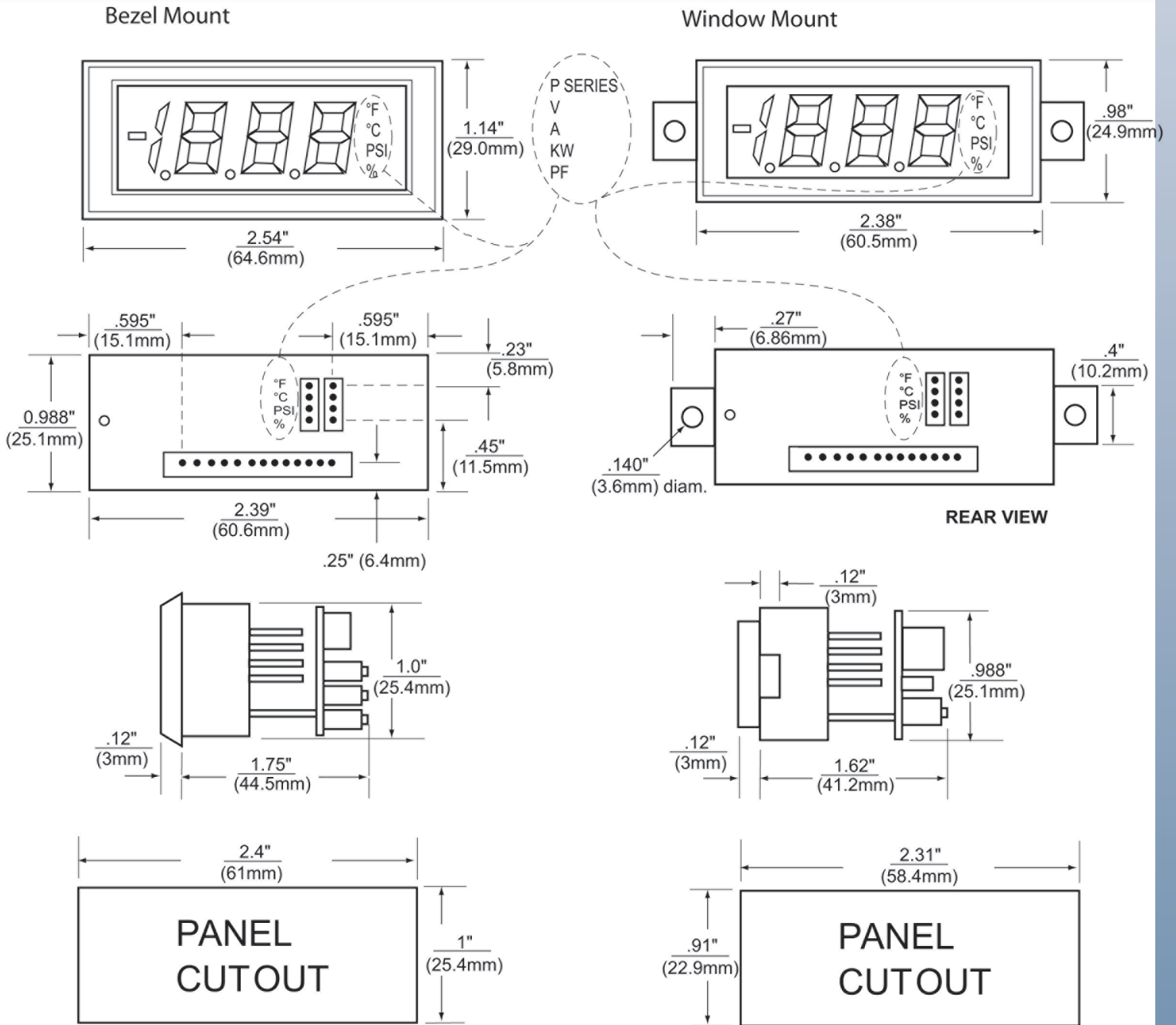


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DIMENSIONS



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

