

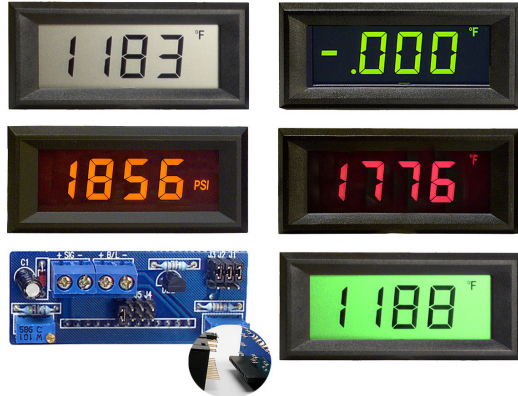


LCD Digital Panel Meters

Epic Series - 3½ Digit LCD with Loop Powered Board

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
- ▶ 3½ digits with high-contrast LCD
- ▶ 4-20 mA loop powered input
- ▶ User-selectable, displayed engineering units



SPECIFICATIONS

DISPLAY

Digits: 3½ 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
 Overage: three lower order digits blank for inputs >1999 & < -1999

INPUTS

Ranges: 4-20 mA DC
 Configuration: bipolar differential
 Impedance: 300Ω nominal

PERFORMANCE

Accuracy: $\pm (0.1\% \text{ fs} + 2 \text{ count})$
 Conversion Rate: 3 per second
 Normal Mode Rejection: >30 dB @ 60 Hz
 Common Mode Range: $\pm 1 \text{ VDC max}$
 Common Mode Rej.: >86 dB
 Adjustment: span (gain) and zero (offset)
 Warmup: 10 minutes typical
 Temperature Coeff.: $\pm 100 \text{ ppm per } ^\circ\text{C typical}$

ENVIRONMENT

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

POWER SUPPLY

Optional Backlight: powered by the milliamp control loop

24 VDC at 35 mA typical

MOUNTING

snap-in bezel mount

CONNECTION

2 screw terminal (4 with backlight)

ORDERING INFO

PART NUMBER	BACKLIGHT COLOR	BACKLIGHT POWER
LPI-3*E	NO BACKLIGHT	NONE
LPI-3*EAN	NEG AMBER	24VDC
LPI-3*EGN	NEG GREEN	24VDC
LPI-3*ERN	NEG RED	24VDC
LPI-3*EGP	POS GREEN	24VDC

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

ACCESSORIES

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

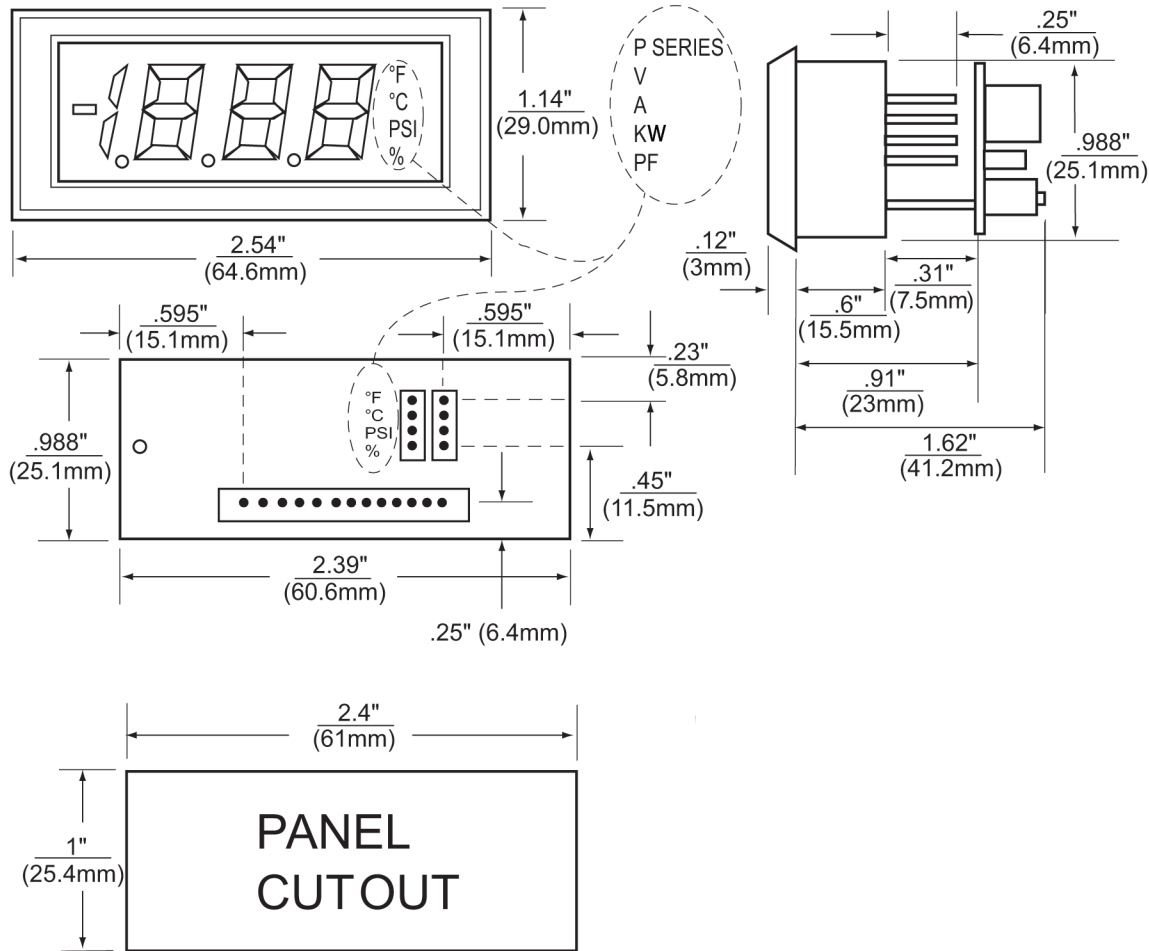


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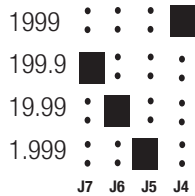


DIMENSIONS



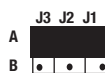
WIRING

1. DECIMAL SELECTION:

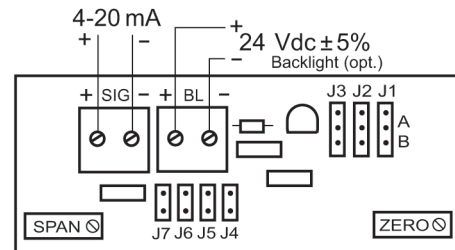
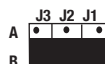


2. J1, J2, J3 SELECTION:

IF: OFFSET (ZERO) IS 0 or
 OFFSET (ZERO) > 0 and GAIN (SPAN) ÷ OFFSET (ZERO) ≥ 5



IF: OFFSET (ZERO) > 0 and GAIN (SPAN) ÷ OFFSET (ZERO) < 5



WIRING