

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
- ▶ 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)
 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 dB @ 60 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

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

MOUNTING

snap-in bezel mount

CONNECTION

4 screw terminal (6 with backlight)

ORDERING INFO

PART NUMBER	BACKLIGHT COLOR	BACKLIGHT POWER
SNAP-IN:		
DK196*	NEG AMBER	24 VDC
DK197*	NEG GREEN	24 VDC
DK198*	NEG RED	24 VDC
DK199*	NO BACKLIGHT	NONE
*Add (P) for Power Engineering Units V, A, KW, PF		
ACCESSORIES		
PW2-12	Regulated 120V AC to 12V DC Power Supply	
PW2-24	Regulated 120V AC to 24V DC Power Supply	
CVC	Calibrator	



Specifications Installation and Operating Instructions LCD Digital Panel Meters

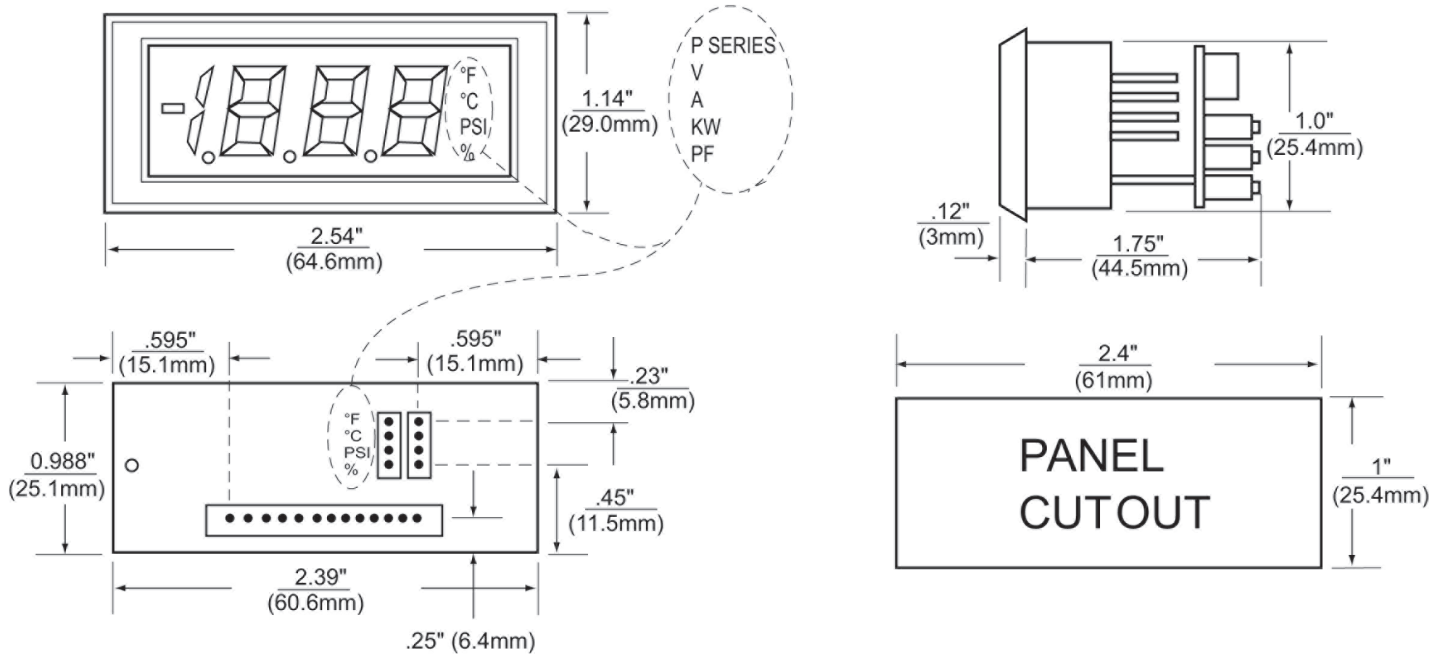
Epic Series - Adjustable Voltage Powered 3½ Digit LCD

DK190V



DIMENSIONS

Bezel Mount



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

