



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
- ▶ 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: 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
 Decimal Points: 4 position, user-selectable or V, A, KW, PF
 Overrange: four 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: 390K 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.: ± 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 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
DK796*	NEG AMBER	24VDC
DK797*	NEG GREEN	24VDC
DK798*	NEG RED	24VDC
DK799*	NO BACKLIGHT	NONE
DK800*	POS GREEN	24VDC

*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

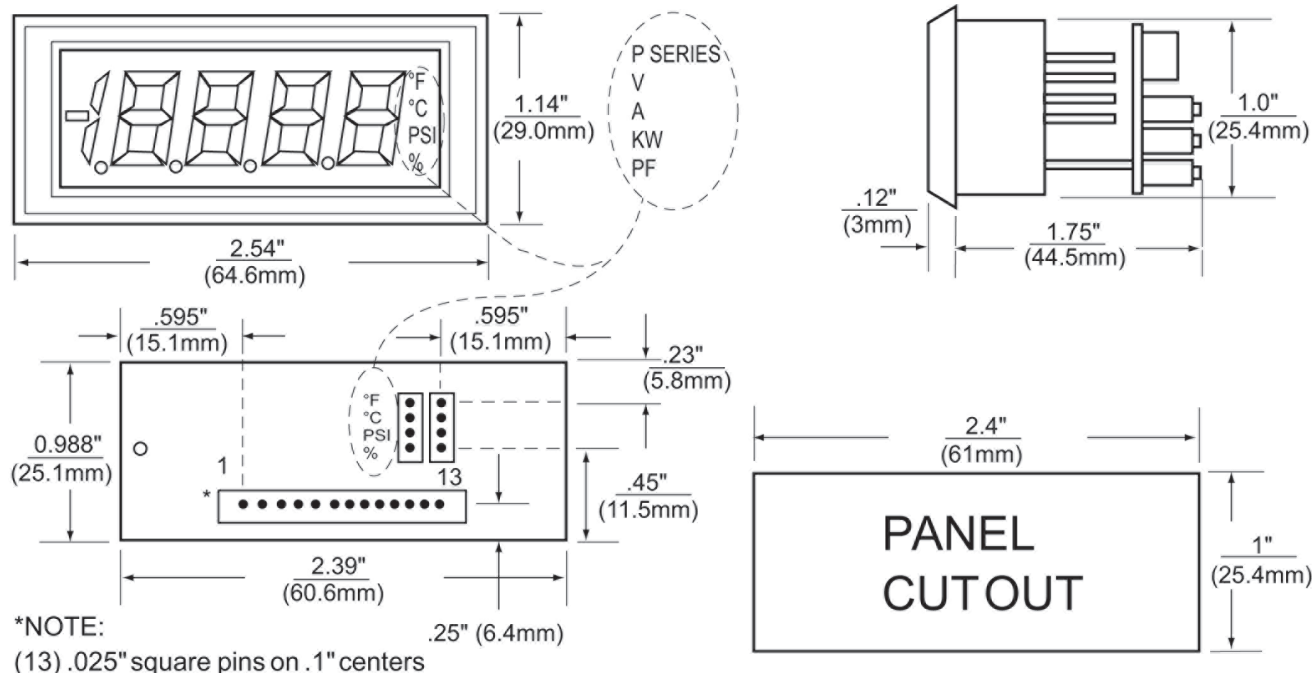
LCD Digital Panel Meters

Epic Series - Adjustable Voltage Powered 4½ Digit LCD

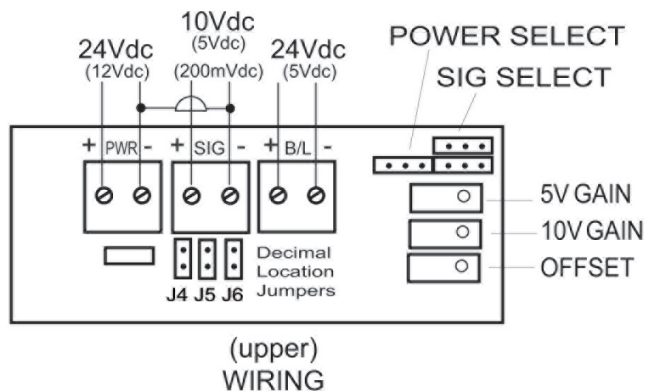
DK790V



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