

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

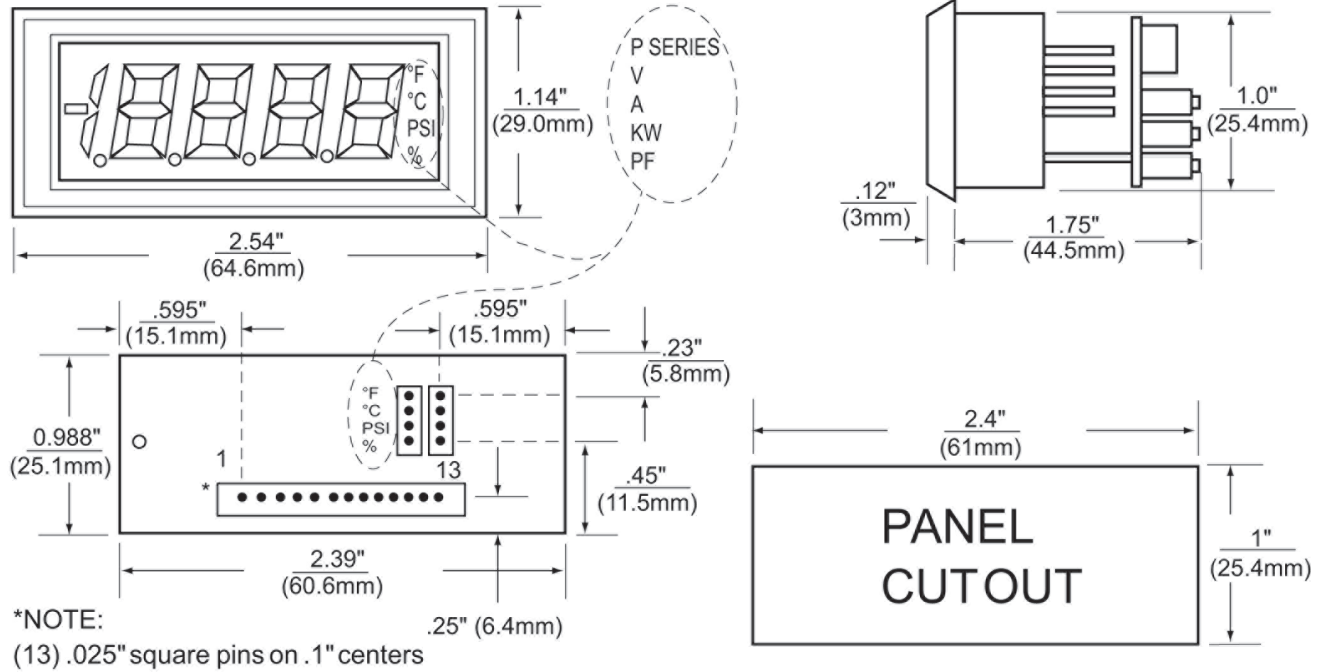
LCD Digital Panel Meters

Epic Series - Adjustable Voltage Powered 4½ Digit LCD

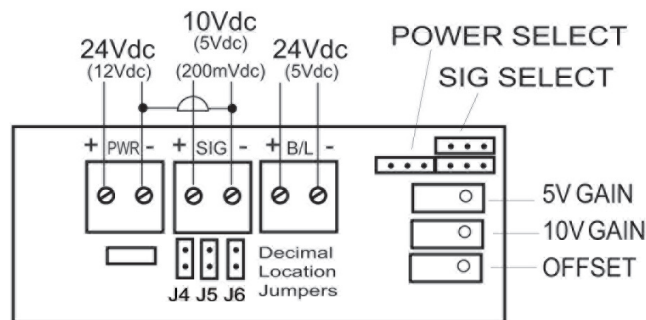
DK790V



DIMENSIONS



WIRING



(upper)
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