



### 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 ( $\pm 1999$  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: 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 |
|-------------|-----------------|-----------------|
| DK191*      | NO BACKLIGHT    | NONE            |
| DK192*      | NEG AMBER       | 24VDC           |
| DK193*      | NEG GREEN       | 24VDC           |
| DK194*      | NEG RED         | 24VDC           |

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

#### ACCESSORIES

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

# Specifications Installation and Operating Instructions

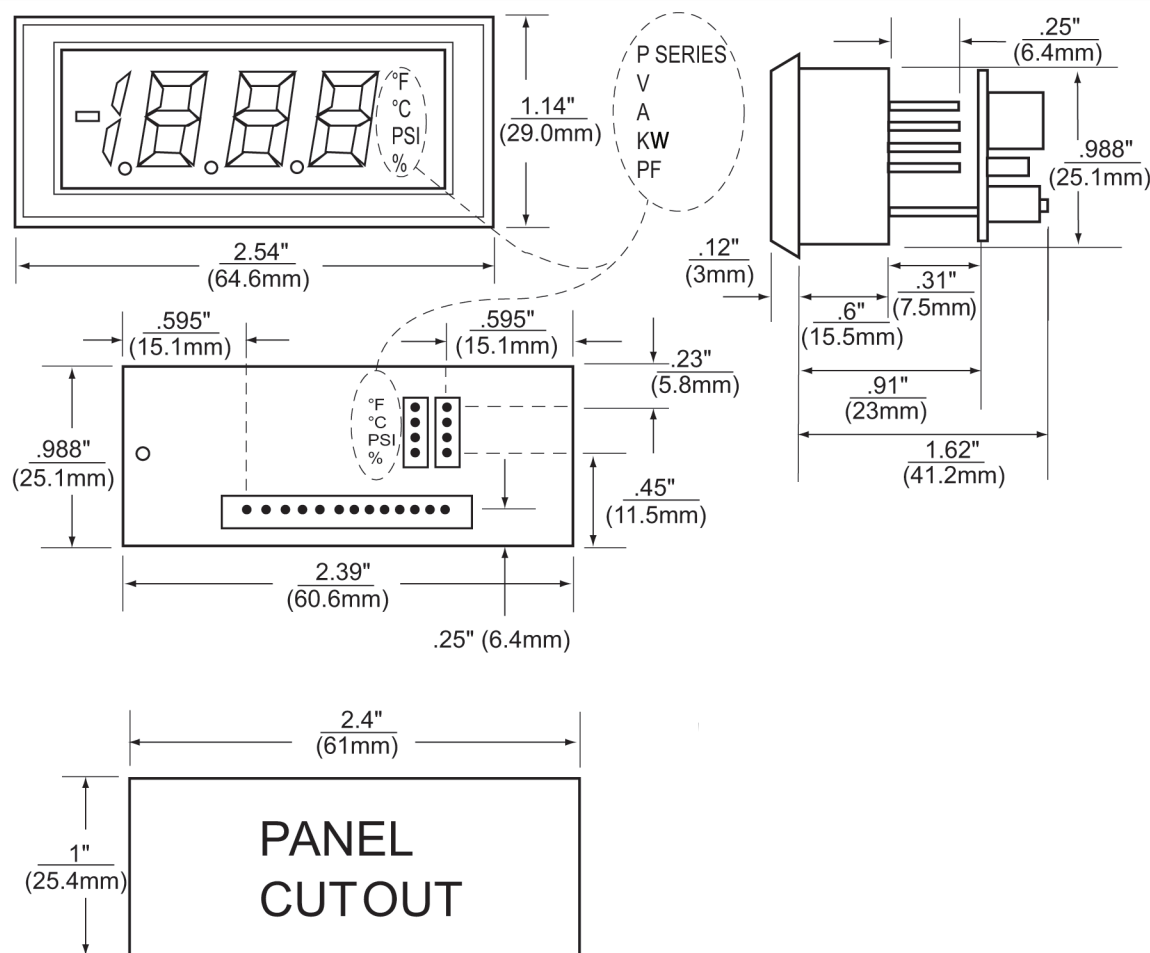
## LCD Digital Panel Meters

Epic Series - 3½ Digit LCD with Loop Powered Board

DK191

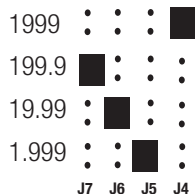


### DIMENSIONS



### WIRING

#### 1. DECIMAL SELECTION:



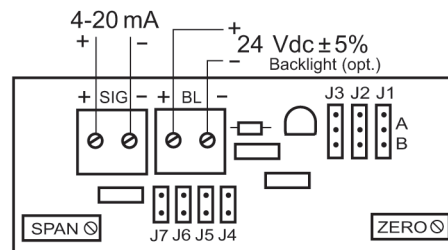
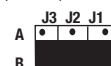
#### 2. J1, J2, J3 SELECTION:

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