



## 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:                                                  | 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) |                                                           |
|               | 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                               |
|               | Overrange:                                               | three lower order digits blank for inputs >1999 & < -1999 |
| Inputs:       | Ranges:                                                  | 4-20 mA DC                                                |
|               | Configuration:                                           | bipolar differential                                      |
|               | Impedance:                                               | 300Ω nominal                                              |
| Performance:  | Accuracy:                                                | ±(0.1% fs + 2 count)                                      |
|               | Conversion Rate:                                         | 3 per second                                              |
|               | Normal Mode Rejection:                                   | >30 db @ 60 Hz                                            |
|               | Common Mode Range:                                       | ±1 VDC max                                                |
|               | Common Mode Rej.:                                        | >86 dB                                                    |
|               | Adjustments:                                             | span (gain) and zero (offset)                             |
|               | Warmup:                                                  | 10 minutes typical                                        |
|               | Temperature Coefficient:                                 | ± 100 ppm per °C typical                                  |
| Environment:  | Operating Range:                                         | 0 to 50 °C                                                |
|               | Storage Range:                                           | -20 to 70 °C                                              |
| Power Supply: | powered by the milliamp control loop                     |                                                           |
|               | Optional Backlight:                                      | 24 VDC at 35 mA typical                                   |
| Mounting:     | snap-in bezel mount                                      |                                                           |
| Connection:   | 2 screw terminal (4 with backlight)                      |                                                           |

## Ordering Information:

| PART NUMBER | BACKLIGHT COLOR | BACKLIGHT POWER |
|-------------|-----------------|-----------------|
| DK191*      | NO BACKLIGHT    | NONE            |
| DK192*      | NEG AMBER       | 24VDC           |
| DK193*      | NEG GREEN       | 24VDC           |
| DK194*      | NEG RED         | 24VDC           |
| DK195*      | POS GREEN       | 24VDC           |

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

|        |                                          |
|--------|------------------------------------------|
| PW2-24 | Regulated 120V AC to 24V DC Power Supply |
| PW1.0  | 24V AC to adjustable DC output           |
| CPW1.5 | 24V AC to adjustable DC output           |
| CVC    | Calibrator                               |

# Loop Powered LCD Digital Panel Meters

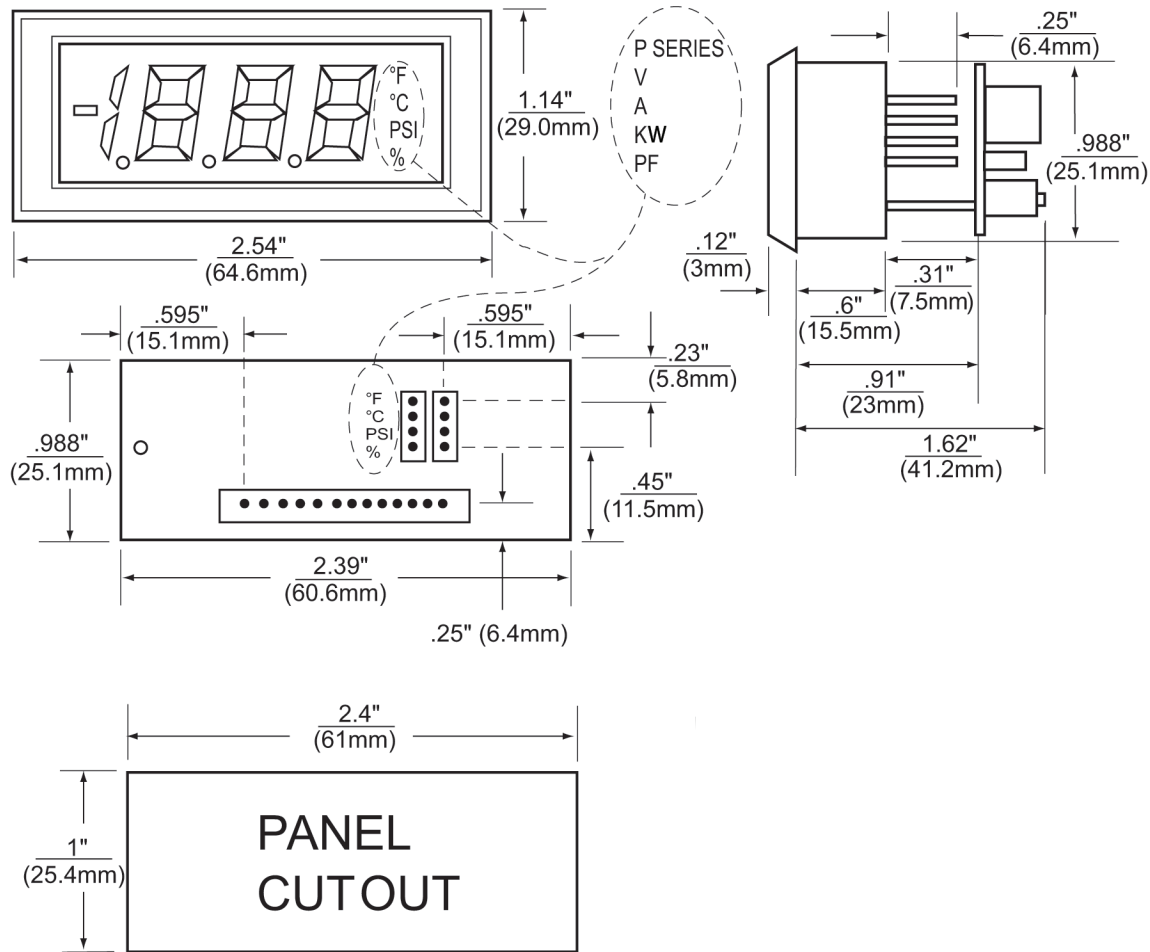
3½ Digit LCD with Loop Power Board



## DK191 Series

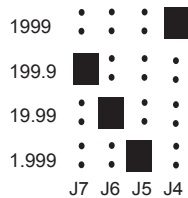
### EPIC SERIES

#### Dimensions



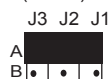
#### Jumper Selection & Wiring

##### 1. DECIMAL SELECTION:

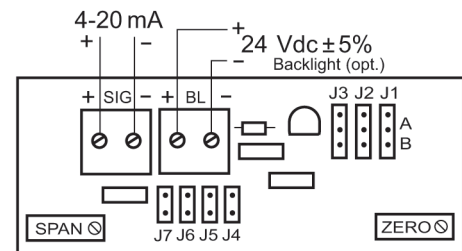
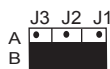


##### 2. J1, J2, J3 SELECTION:

**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