

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 | |



