

## Excellent Integrated System Limited

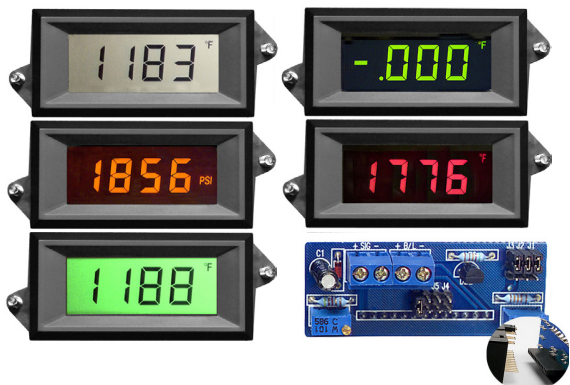
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[C-TON Industries](#)  
[DK191-XEC](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



**FEATURES**

- ▶ Low-cost, high-performance replacement for many OEM DPMs
- ▶ Optional RED, GREEN, AMBER or POS GREEN backlit LCD
- ▶ 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)  
 automatic, "-" displayed  
 Polarity: °F, °C, PSI, % , user selectable  
 Annunciators: 3 position, user selectable  
 Decimal Points: three lower order digits blank for  
 Overrange: 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 Coeff.: ± 100 ppm per °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 or clamp and gasket

**CONNECTION**

2 screw terminal (4 with backlight)

**ORDERING INFO**

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

**ACCESSORIES**

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

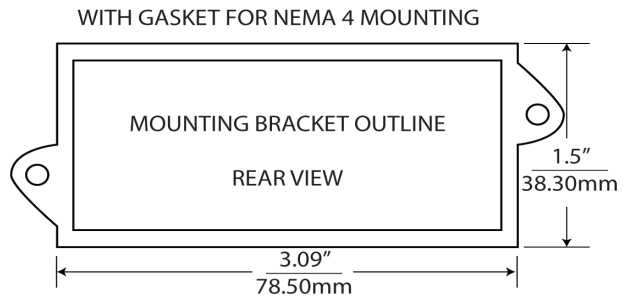
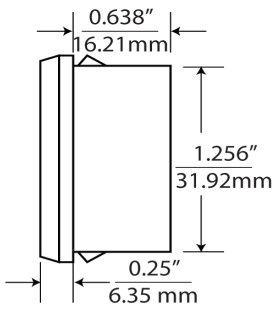
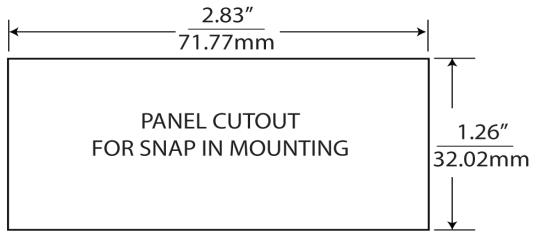
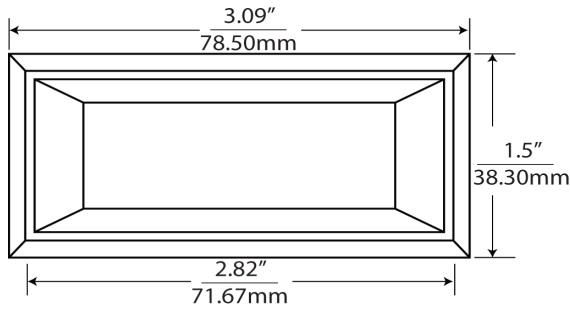


Specifications Installation and Operating Instructions  
**LCD Digital Panel Meters**  
 3½ Digit LCD with Loop Powered Board

**DK190-XEC**



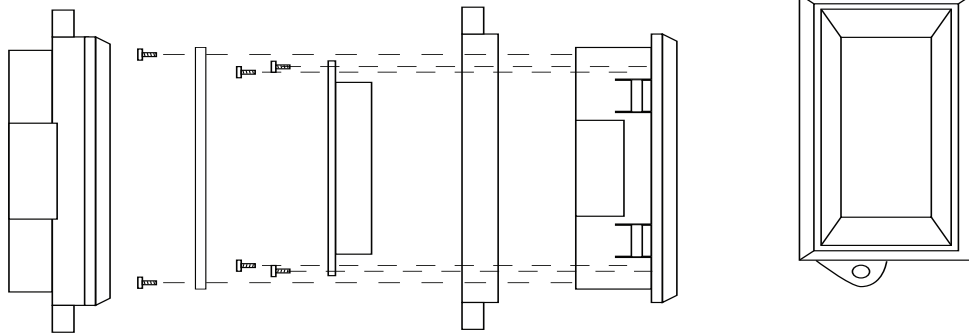
**DIMENSIONS**



**NOTES:**

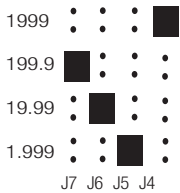
1. Panel thickness is: 0.032"/0.81 mm to 0.25"/6.35mm
2. Gasket supplied is: 0.09"/2.25mm thick

inches  
mm



**WIRING**

**1. DECIMAL SELECTION:**

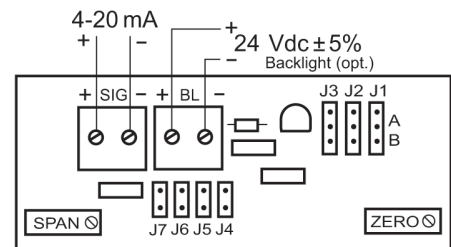


**2. J1, J2, J3 SELECTION:**

**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**

