

# LOOP POWERED LCD DIGITAL PANEL METERS - EPIC SERIES

3½ Digit LCD Display with Loop Powered Adder Board



**Amber Negative**



**Red Negative**



**Green Negative**

**Bezel Mount**



**No Backlight**

## 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 Display
- 4- 20 mA loop powered input
- User selectable, displayed engineering units

## Specifications:

<b>Display:</b>	
Digits:	3½ 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)
Polarity:	Automatic, "-" displayed
Annunciators:	°F, °C, PSI, % , user selectable
Decimal Points:	3 position, user selectable
Overload:	Three lower order digits blank for inputs >1999
<b>Inputs:</b>	
Ranges:	4-20mA DC
Configuration:	Bipolar Differential
Impedance*:	300 Ω nominal
<b>Performance:</b>	
Accuracy:	±(0.1% fs + 2 count)
Conversion Rate:	3 per second
Normal Mode Rejection:	>30 db @ 60 Hz
Common Mode Range:	±1V DC max
Common Mode Rej.:	>86 dB
Adjustments:	Span (gain) and Zero (offset)
Warmup:	10 minutes typical
Temperature Coeff.:	± 100 ppm per °C typical
<b>Environment:</b>	
Operating Range:	0 to 50 °C
Storage Range:	-20 to 70 °C
<b>Power Supply:</b>	
	Powered by the Milliamp Control Loop
Optional Backlight:	24V DC at 35 mA typical
<b>Mounting:</b>	
	Snap-in Bezel mount
<b>Connection:</b>	
	2 screw terminal (4 with backlight)

\*Impedance is rated at 24 Vdc and 20mA. Exercise caution to avoid too much impedance in the current loop. Most transmitters are rated 500 to 750Ω.

\*\*Negative backlighting is lighted numerals.  
Positive backlighting is lighted background.

## Ordering Information:

### Loop Powered LCD DPM Part Numbering

#### Backlight Type:

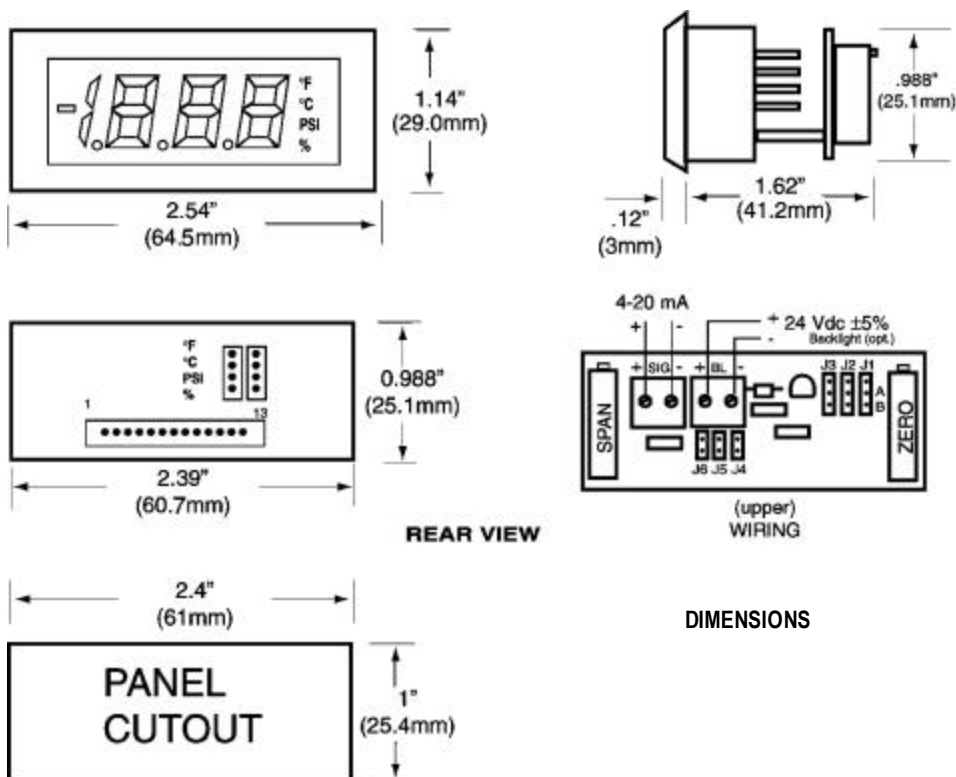
**DK191** = No Backlight  
**DK192** = Amber Negative  
**DK193** = GreenNegative  
**DK194** = Red Negative

**PW2-24** .....Regulated 120V AC to 24V DC Adaptor .....



**C-Ton Industries** • PO Box 10129 • Bedford, NH, 03110 • USA  
03110-0129

# Dimensions



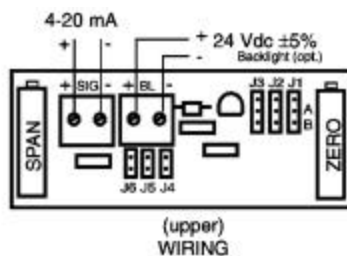
## JUMPER SELECTION AND WIRING

### 1. DECIMAL SELECTION:

1999	■	■	■
199.9	■	■	■
19.99	■	■	■
1.999	■	■	■
	J6	J5	J4

### 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



	J3	J2	J1
A	■	■	■
B	■	■	■
	J3	J2	J1
A	■	■	■
B	■	■	■