

## 4-20mA loop powered LCD



### Description

The DPL-8 provides a loop powered 0.98", 3 1/2 digit LCD (standard black numerals) with optional 24Vdc powered red, blue, amber, or green negative backlight. It is compatible with virtually any 4 to 20mA dc process loop. User selectable °F, °C, PSI, and % engineering units can be displayed. Fully loop compatible. Separate zero and span adjustments. Decimal point user selectable. Factory calibration available.

### Features

- Provides a large, .98", 3-1/2 digit display.
- Optional Red, Blue, Green or Amber backlighting
- Decimal point user selectable
- Eng. units user selectable
- Snap-in panel mounting

### Specifications

Display:	3 1/2 Digits (±1999 counts)	
Digits:	0.98" (24.9 mm)	
Type:	Optional Red Negative (red numbers/black background)	
Backlighting*:	Optional Blue Negative (blue numbers/black background)	
	Optional Green Negative (green numbers/black background)	
	Optional Amber Negative (amber numbers/black background)	
Polarity:	Automatic, "-" Displayed.	
Decimal Points:	3 Position, User Selectable	
Overload:	Three lower order digits blank for inputs >1999 & <-1999	
Hold:	Display Hold Function is Standard	
Annunciators:	PSI, °F, °C, % (user selected),	
Inputs:		
Ranges:	±200.0mV, +/-2.000V, +/-20.00V DC, 4-20mA	
Configuration:	Bipolar, Differential	
Protection:	±350V DC, (±100V DC on 200mV Range)	
	(±30 mA on 4-20mA)	
Impedance:	>1 MW, (>10 MW on 200mV Range)	
Performance:		
Accuracy:	±(0.05% FS +1 counts)	
Conversion Rate:	3 per Second	
Normal Mode Rejection:	>30 db @ 60 Hz	
Common Mode Range:	±1V DC	
Common Mode Rej.:	>86 dB	
Zero Adjustment:	Automatic	
Warmup:	10 Minutes Typical	
Temperature Coeff.:	±100 ppm per °C Typical	
Environment:		
Operating Range:	-10 to 50 °C	
Storage Range:	-40 to 75 °C	
Power Supply:	Voltage input units: +5V DC (3mA) powered by mA control loop. Loop Burden 300 W nominal	
Optional Backlight:	24V DC at 35 mA typical	
Mounting:	Snap-In Panel Mount	
Connection:	4 screw terminal (4-20mA)	
	13 pin male connection (voltage)	
	13 pin connector/wiring harness included	

### Dimensions

Width	3.78" (96 mm)	Cutout	
Height	1.89" (48.0 mm)	Width	3.62" (92.0 mm)
Depth	1.28" (32.5 mm)	Height	1.77" (45.0 mm)

### Ordering Info

- DPL-8A 4 to 20mA loop powered LCD, Amber Negative
- DPL-8G 4 to 20mA loop powered LCD, Green Negative
- DPL-8R 4 to 20mA loop powered LCD, Red Negative
- DPL-8B 4 to 20mA loop powered LCD, Blue Negative