

DP-370 Series

3 1/2 Digit Loop Controlled LED Display Digital Panel Meters



Features

- Space saving design only 0.67"(17mm) deep
- Occupies less than 2.5 x 1.1 inches of front panel space
- Choose a red or green LED
- 3-1/2 digits with 0.56" LED
- Window mount with optional bezel
- User Selectable Decimal Points
- Process input (4 to 20mA) adder board with multi-turn SPAN (GAIN) and ZERO (OFFSET) adjustments
- Loop controlled

Description

The DP-370 provides a loop controlled 3 1/2 digit red or green LED display. It is compatible with virtually any 4-20mA dc process loop. Available in Red or Green. Large 1/2" numerals. Fully loop compatible. Separate zero and span adjustments. Decimal point user selectable. Factory calibration available.

Specifications

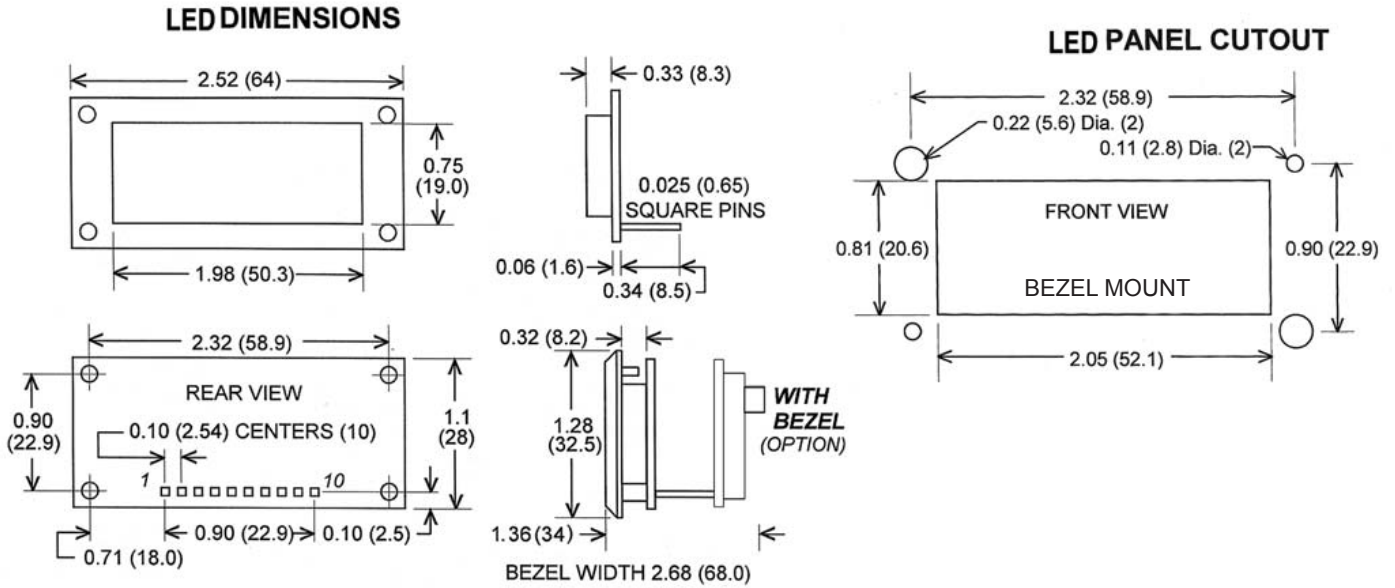
| | | |
|---------------|------------------------|--|
| Display: | Digits: | 3 1/2 Digits (± 1999 counts) |
| | Type: | 0.56" (14.2mm) Red or Green 7-Segment LED |
| | Polarity: | Automatic, "-" Displayed. |
| | Decimal Points: | 3 Position, User Selectable |
| | Overload: | Three lower order digits blank for inputs >1999 & <-1999 |
| Inputs: | Ranges: | Process Inputs, 4 to 20mA |
| | Configuration: | Bipolar, Differential |
| | Protection: | 80 mA max. |
| | Loop Burden: | 40 Ω nominal |
| Performance: | Accuracy: | $\pm(0.1\% + 1$ counts) Typical $\pm(0.2\% + 2$ counts) Maximum |
| | Conversion Rate: | 3 per Second |
| | Normal Mode Rejection: | >30 db @ 60 Hz |
| | Common Mode Range: | ± 1 V DC |
| | Common Mode Rej.: | >86 dB |
| | Zero Adjustment: | Automatic |
| | Warmup: | 10 Minutes Typical |
| | Temperature Coeff.: | ± 100 ppm per $^{\circ}$ C Typical |
| Environment: | Operating Range: | 0 to 50 $^{\circ}$ C |
| | Storage Range: | -10 to 60 $^{\circ}$ C |
| Power Supply: | Voltage: | +5V DC ($\pm 5\%$) Isolated |
| | Current: | 200mA; |
| Mounting: | LED: | Window Mount, or Bezel Mount with Optional Bezel |
| | Process Board: | Plugs onto DPM pins, adds approx. 0.6"(16mm) to depth |
| Connection: | | Screw terminals on Process Board |

Ordering Information

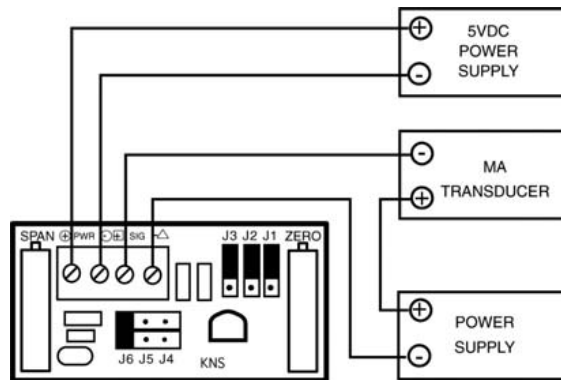
| Model | Description |
|---------|-----------------------------------|
| DP-370R | Red loop controlled LED, 4-20mA |
| DP-370G | Green loop controlled LED, 4-20mA |
| APS-5 | 120V AC to 5V DC Power Supply |
| APS-24 | 120V AC to 24V DC Power Supply |

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Dimensions



Wiring



Note:
The 5Vdc power supply must be isolated from the loop supply