3-1/2 DIGIT LCD AMBER / GREEN / RED PANEL DISPLAY

MODELS LPI-1C-A, -G, -R

DESCRIPTION

Models LPI-1C-A, G, and **R** are loop-powered 4-20 mA, 24 VDC-powered, brightly-lit 3-1/2 digit color LCD displays. **Model LPI-1C** is available with amber, green, or red digits. **Models LPI-1C-A, G,** and **R** also feature jumper-selectable, built-in engineering units of °F, °C, PSI, %, or no units. The same 24 VDC power supply can be used to provide power to the 4-20 mA loop and the display.

FEATURES

- ***Indication of 4-20 mA signal in desired scale***
- ***Bright 3-1/2 digit LCD display***
- ***Available in amber, green, and red***
- ***Snap-in panel mounting***
- ***Easy-to-read digits***
- ***NEMA 4X enclosure available***
- ***Precalibrated for desired range***
- ***Negative-to-positive indication***
- ***Jumper selectable engineering unit display***

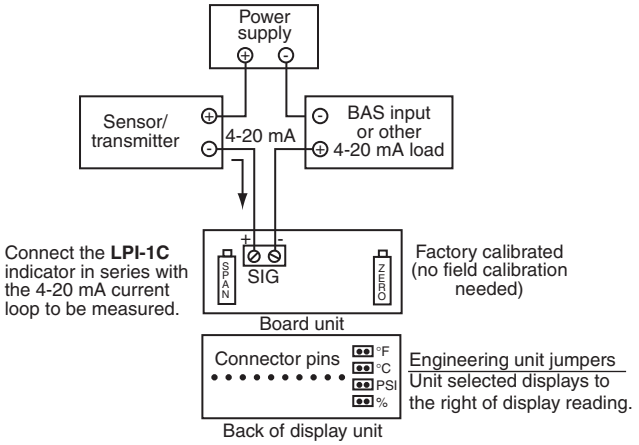
APPLICATION

- ***Temperature***
- ***Humidity***
- ***Pressure***
- ***Differential or static pressure***
- ***Kilowatt demand***
- ***Gallons per minute***
- ***Voltage***
- ***Current***
- ***Many other 4-20 mA applications***

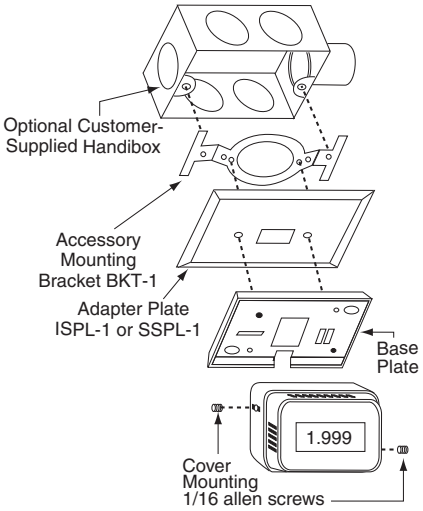
SPECIFICATIONS

Power (backlight)	24 VDC @ 35 mA
Input	4-20 mA loop powered
Impedance	300Ω nominal @ 24 VDC
Accuracy	0.1% of scale
Digit size	0.5" (1.27 cm)
Decimal point	Three positions or none (1.0.0.0)
Range	-1999 to +1999
Operating temp	32° to 122°F (0° to 50°C)
Humidity	95% noncondensing
Cutout required	1.00"H x 2.40"W (2.54 x 6.10 cm)
Panel clearance	1.97" (5.00 cm)
Enclosure option	
E (NEMA 4X)	6.0"H x 6.0"W x 3.0"D (15.2 x 15.2 x 7.62 cm)
WMB	2.12"H x 3.12"W x 1.75"D (5.4 x 7.94 x 4.45 cm)
Weight (display only)	2.3 oz (56.7g)

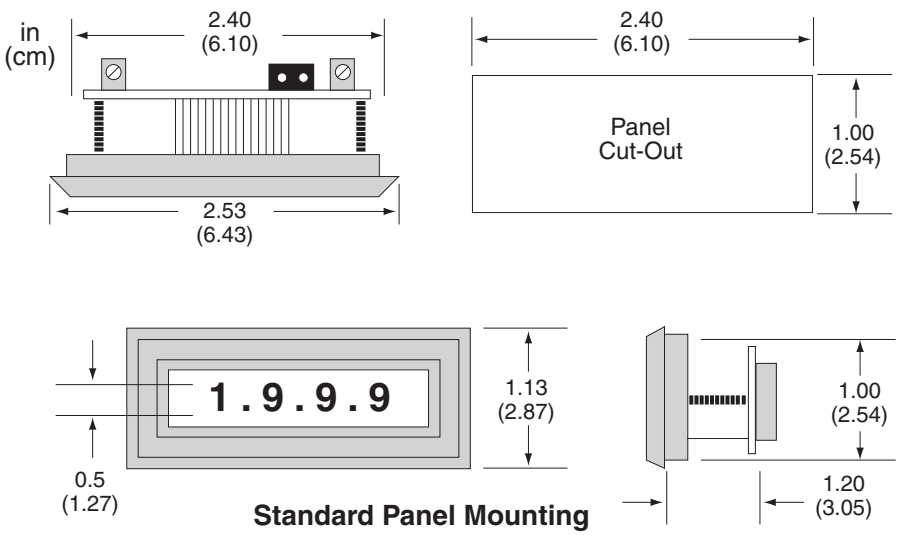
WIRING



DIMENSIONS/ MOUNTING INFORMATION



WMB Option
LPI-1C-G-WMB



Standard Panel Mounting

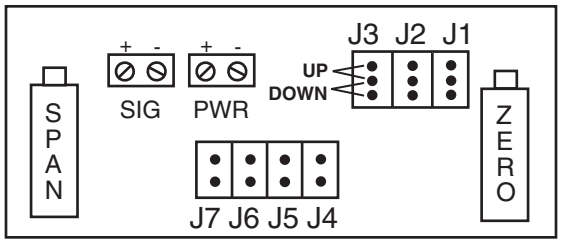
RECALIBRATION INFORMATION

Decimal Point Setup

J4-J7: Install one jumper in J4, J5, J6, or J7 to display decimal. (Remove jumpers for no decimal.)

Decimal Jumper Selection

J4	=	-1999 to 1999
J5	=	-1.999 to 1.999
J6	=	-19.99 to 19.99
J7	=	-199.9 to 199.9



Range Setup

J1-J3: Install all three jumpers according to the following criteria:

What is the displayed number at 4 mA? (Positive, Zero, Negative)

Negative Place all jumpers UP.

Zero Place all jumpers UP.

Positive Ask the following:

Is the 4 mA display number x 5, less than the display number at 20 mA?

Example: 4-20 mA = 32 to 212, so **32 x 5 = 160** (is 160 less than 212)? ... YES

Example: 4-20 mA = 40 to 90, so **40 x 5 = 200** (is 200 less than 90)? ..... NO

YES: Place all jumpers UP.

NO: Place all jumpers DOWN.

Final Adjustment Setup

1. Apply 4.00 mA, and adjust the zero pot for the desired low numeric display.
2. Apply 20.00 mA, and adjust the span pot for the desired maximum numeric display.
3. Repeat steps 1 and 2 until both desired high and low readings are obtained (four to five passes typical).

ORDERING INFORMATION

* Displays are custom calibrated at no charge before shipping.

Specify signal input scale, range, engineering units, and decimal location when ordering.

MODEL	DESCRIPTION
LPI-1C-A	3-1/2 digit LCD with amber digits*
LPI-1C-G	3-1/2 digit LCD with green digits*
LPI-1C-R	3-1/2 digit LCD with red digits*

–	No enclosure
E	3-1/2 digit LCD panel display with NEMA 4X enclosure
WMB	3-1/2 digit LCD panel display with small enclosure
E-DBL	Two 3-1/2 digit LCD panel displays in one NEMA 4X enclosure

LPI-1C-A – E-DBL *Example:* **LPI-1C-A-E-DBL** Two amber 3-1/2 digit LCD displays mounted in single enclosure

RELATED PRODUCTS

GP3420 LPI-1C, LPI-3C, VPI-1C mounting plate, 3.40" x 2.00" (8.6 x 5.1 cm)
GP3430 LPI-1C, LPI-3C, VPI-1C mounting plate, 3.40" x 3.00" (8.6 x 7.6 cm)