



3-1/2 DIGIT LCD PANEL DISPLAY MODEL LPI-1C

DESCRIPTION

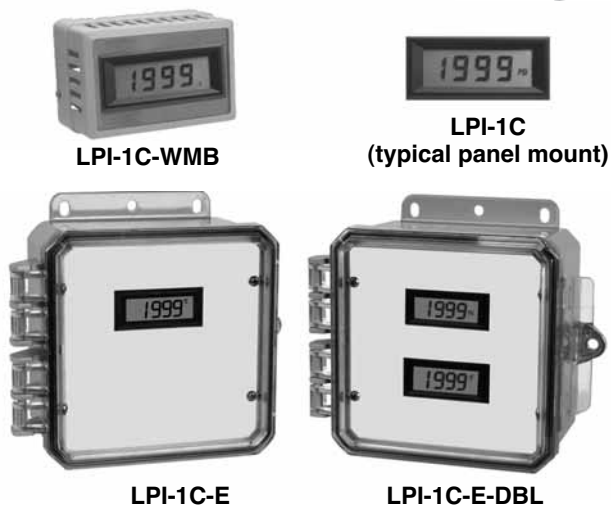
The **Model LPI-1C** is a loop-powered indicator featuring a large 3-1/2 digit LCD display with black digits. The **Model LPI-1C** displays engineering units of °F, °C, PSI, %, or no engineering units if desired. It is directly powered by the 4-20 mA signal and scaled to specifications.

FEATURES

- Indication of 4-20 mA signal in desired scale
- 3-1/2 digit LCD display
- 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

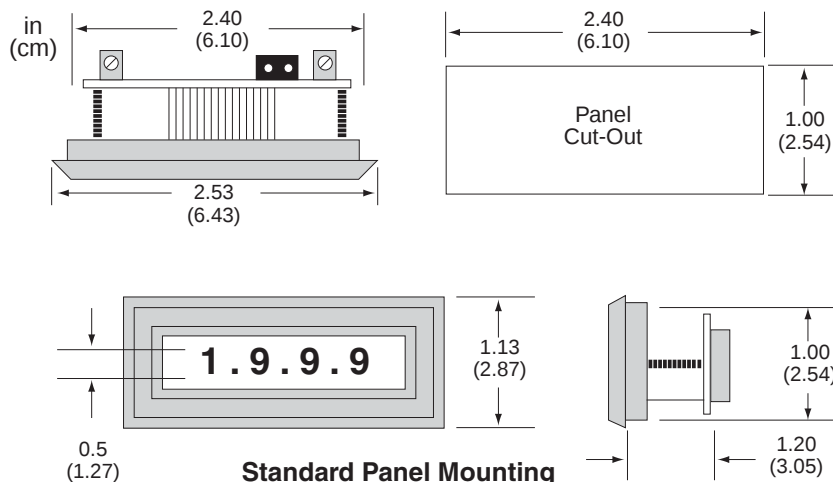
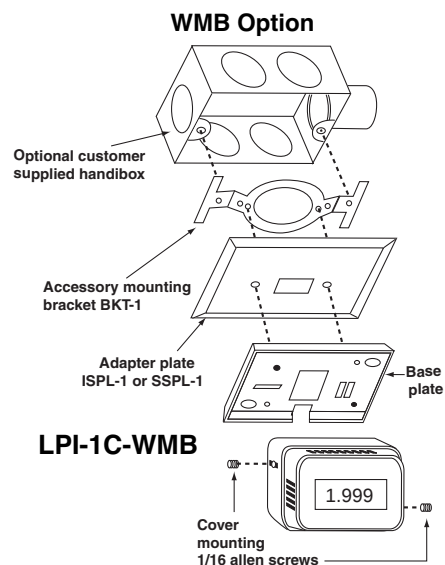
- Temperature
- Humidity
- Pressure
- Differential or static pressure
- Kilowatt demand
- Gallons per minute
- Voltage
- Current
- Many other 4-20 mA applications



SPECIFICATIONS	
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 options	
E (NEMA 4X)	6.0"H x 6.0"W x 3"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	
Connect the LPI-1C indicator in series with the 4-20 mA current loop to be measured.	Factory Calibrated (no field calibration needed)
Connector Pins	Engineering Unit Jumpers Unit selected displays to the right of display reading.
Back of Display Unit	

DIMENSIONS/MOUNTING INFORMATION



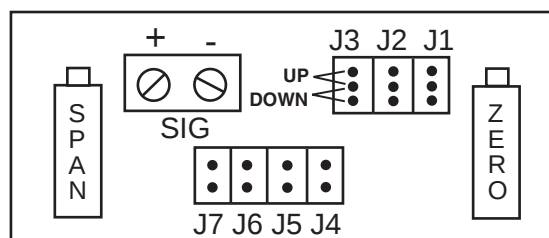
RECALIBRATION INFORMATION

DECIMAL POINT SETUP

J4-J7: Install one jumper in J4, J5, or J6 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 $\times 5$, less than the display number at 20 mA?

Example: 4-20 mA = 32 to 212 so $32 \times 5 = 160$ (is 160 less than 212)? ... YES

Example: 4-20 mA = 40 to 90 so $40 \times 5 = 200$ (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. (4-5 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	3-1/2 digit LCD panel display with black 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 - E-DBL Example: LPI-1C-E-DBL Two LPI-1C displays mounted in a single enclosure