LMD-120A

DYNALCO
C O N T R O L S

Current Loop-Powered
Digital
Indicator

Easy to use. Powered by the 4–20 mA signal loop input; requires no external ac or dc.

2-Year Warranty

(CSA)® **LR45322 Class I, Division 1, Groups A, B, C, & D**

*See Third-Party Approvals

FEATURES

- Standard SAE gasketed and spray-proof case; fits panels with 3⅜ in. openings.

- High noise immunity; no power line or supply connections.

- Liquid crystal display (LCD); no outdoor fade-out; 0.4 in. high digits.

- Ease of calibration; field-adjustable to any readout range by integral multiturn zero and span potentiometers, decimal point switches, and fifth-digit fixed zero switch.

- Bipolar display; positive and negative readouts.

- Rugged and reliable.

SPECIFICATIONS

Input Signal: 4 to 20 mA.

Display: 3½ digits (1 digit resolution) or 4½ digits (10-digit resolution), bipolar. The display can be extended to 4½ digits by entering a fixed zero in the least significant digit position via a user-selectable switch.

Span and Zero Adjust: 25-turn potentiometers permit adjustment of the display to any desired span from 100 up to 2000 units and for any required initial reading from −1000 to +1000. (4 mA input for initial reading; 20 mA input for maximum indication.)

Typical calibrations: 0 to +1999, −500 to +500, +800 to +1000, etc. The fifth digit (dummy zero) can be turned on for readouts up to +19990.

Loop Burden: Less than 2 volts, i.e. 100 Ω at 20 mA.

Environment Temperature: 0°F to +165°F (−18°C to +74°C).

Weight: I lb, maximum (0.454 kg).

*Third Party Approvals: *CSA:* (LR45322) Class I, Division 1, Groups A, B, C, & D. *Intrinsically safe:* when connected through a CSA-certified single channel Zener barrier rated 28.5 volts maximum, 300 Ω minimum.

1199F

OUTLINE DRAWING

Dimensions in inches (cm)

3.6 (9.0)

2.6 (6.7)

.75 (1.9)

.25 (.6)

.38 (.9)

1
+

2
−

8-32 screw terminals (2)

Calibration controls under this plug

Connect 4 to 20 mA to 1(+) and 2 (−)

3.34 DIA. (8.5)

3.77 DIA. (9.5)

.8 (2.1)

.56 (1.4)

1.75 (4.4)

ZERO ADJUST

SPAN ADJUST

1 2 3 4
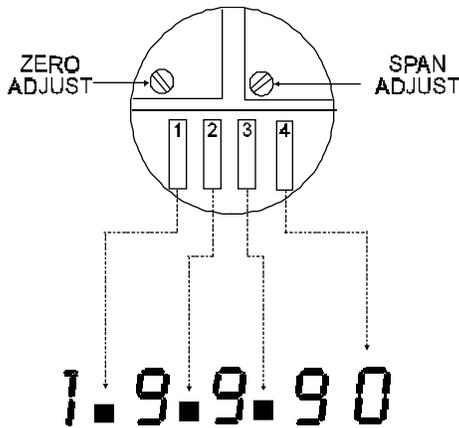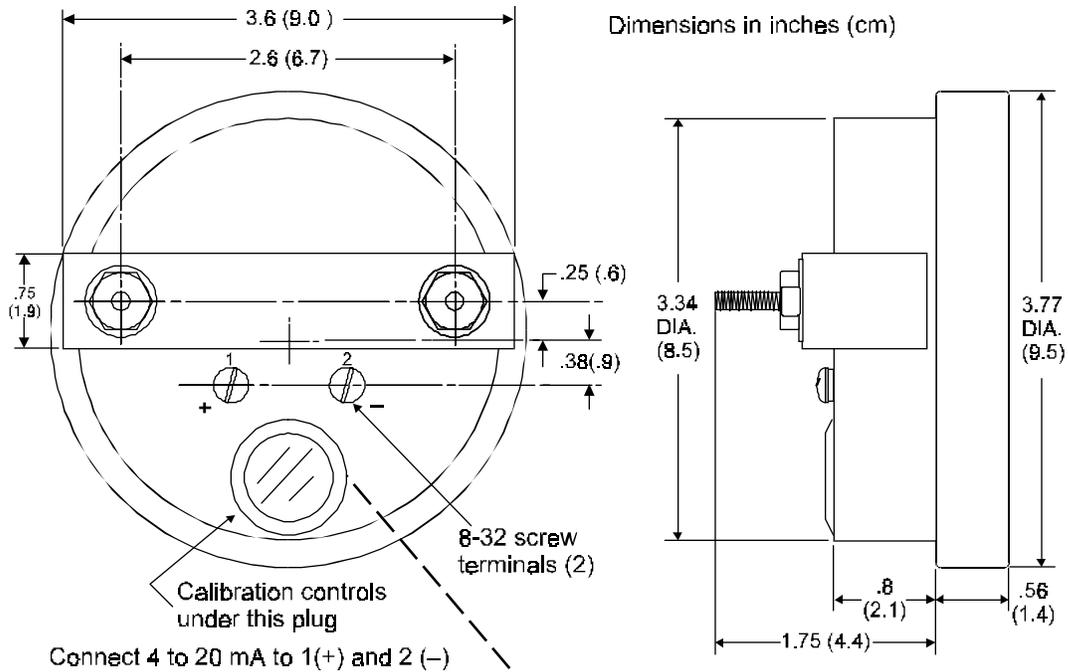
1.9.9.90

VIEW WITH PLUG REMOVED

Calibration Controls under plug (rear).
Switches 1, 2, & 3 control decimal points as shown.

Switch 4 adds a dummy zero (fifth digit, fixed zero) to extend range beyond +1999, (to +19990).

HOW TO ORDER

1. If factory calibration is desired, specify the *precise display range* that corresponds to the 4–20 mA input such as 0 to +500, −300 to +300, −800 to +1000, 0 to +8.00, etc.

2. Specify the required nameplate legend such as RPM, LBS, °F, %, PSI, or a blank legend strip to be marked or screened by the user.

CRANE | **DYNALCO**
C O N T R O L S