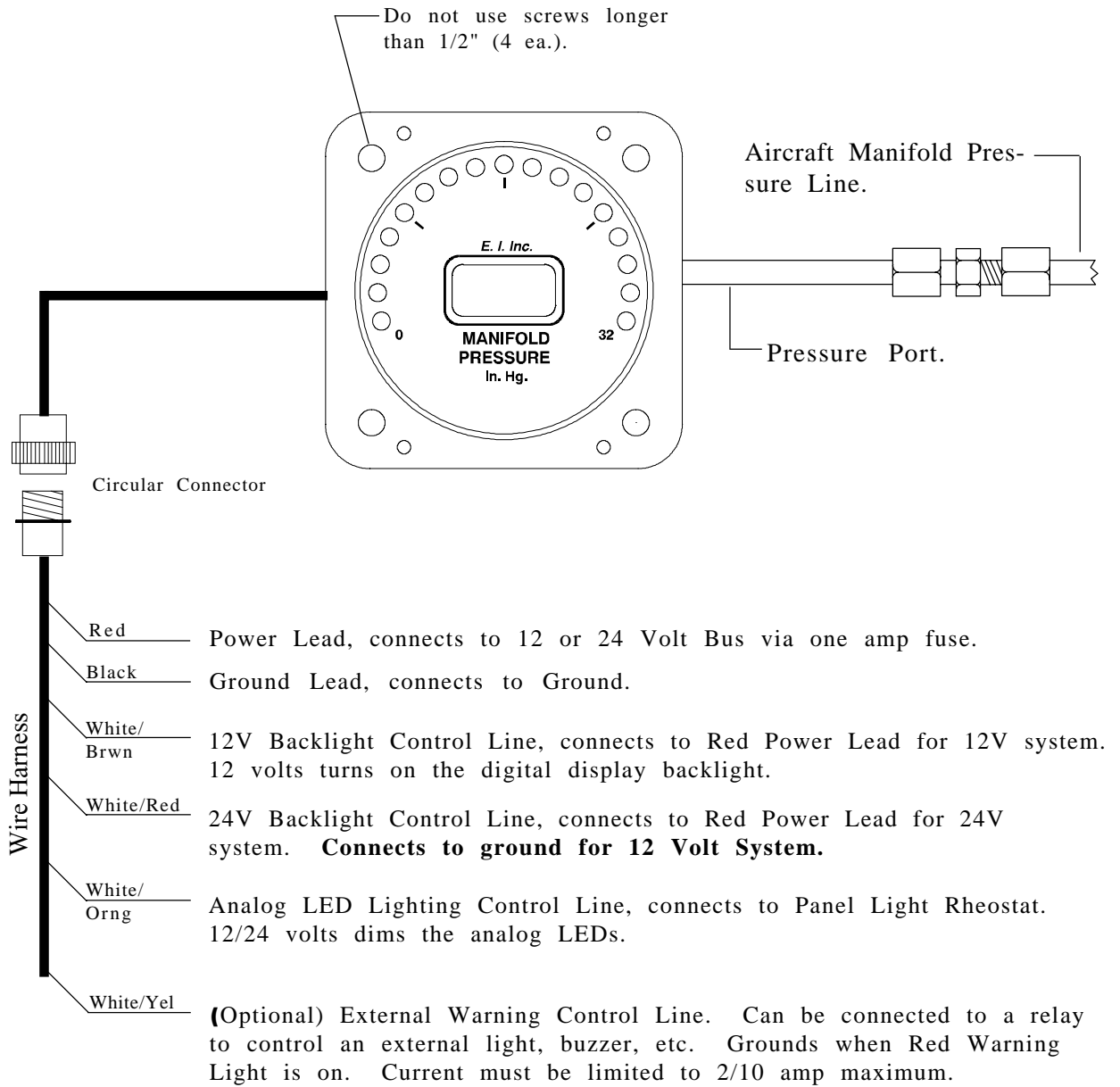


Manifold Pressure (M-1) Wiring Diagram

WD 0313911

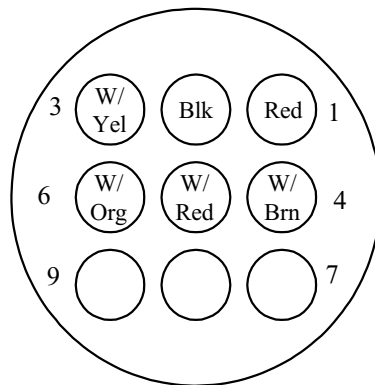


M-1 Circular Connector

Connecting Cable Harness, Back View (wire side)

OR

Instrument Connector, Front View



Note: See Wiring Diagram for hook up information.

Specifications and Operating Features

S0515911

5/15/91

Model:

M-1 (Manifold Pressure Instrument)

Case Dimensions:

2.5" x 2.5" x 3.65" depth, 2 1/4" Bezel.

Weight:

13 Oz.

Environmental:

Meets TSO C45.

Power Requirements:

7.5 to 30 Volts, 1/10 Amp.

Analog Display:

17 High Intensity Light Emitting Diodes (LEDs) in a 210 degree arc with Intensity Control Line available for dimming. Sequential flash test on power up. Microprocessor eliminates LED hunting (flicker).

Red LEDs:

If the Analog Display goes from a Green LED or Yellow LED to a Red LED, the Red LED will blink 20 times then go solid red.

Digital Display:

LCD (viewable in direct sunlight), with 12 and 24 volt backlight control wires for night operation. Displays "888" on power up.

Accuracy:

1% in accordance with TSO C45.

Resolution:

.1 In. Hg.

Max Range:

Max Allowable: 60 In. Hg.

Update Time:

3 times per second.

Pressure Port:

1/4 inch male flare union mounted on a .170 I.D. flexible tube located on the back of the unit.

External Warning Control Line:

Grounds when any Red Warning Light is on or blinking. Current should be limited to 2/10 amp.