METER PANEL ARRANGEMENT FOR TIP SPLICES

CONTENTS PAGE

2. GENERAL

1.01 This section describes the installation and use of the Lourdes flow meter panels when used to supply continuous air flow to cable vault tip splices.

1.02 Whenever this Section is reissued, the reason(s) for reissue will be provided in this paragraph.

1.03 This practice will apply only to those vaults where the problem of moisture in tip splices exists.

2. METER PANELS

2.01 The Lourdes flow meter panel is an assembly of air rate indicators installed in an aluminum alloy constructed housing.

2.02 The meter panel can be arranged with one or more panels connected together with each panel containing positions for either 10 or 15 air rate indicators. See Figures 2 thru 9.

3. AIR RATE INDICATOR

3.01 The air rate indicator has a single scale tube and a single floating ball indexes for monitoring air usage. See Figure 1 for installation procedure.

3.02 The indicator is equipped with a 1/4 turn shut-off valve that can be used to regulate the desired air flow to the tip splice.

3.03 The indicator can be ordered to read individual need, however, one that reads .2 to 2.0 SCFH should be adequate in most cases as only enough flow to keep the air space in the splice dry is required.

4. LOCATION AND MOUNTING OF METER PANEL

4.01 The air flow meter panel should be located convenient to the air source and in such a location as to hold to a minimum the length of tubing required between the panel and the tip splices.

4.02 The panel should preferably be located in the cable vault. The location should be such that the indicators can be read conveniently and that the overall assembly does not interfere with future placing or racking of the cables.

4.03 Four mounting holes are provided on the rear of the side plates (Figure 10) for securing the panel to a wall, plywood backboard or metal unistrut.

4.04 Painted 3/4 inch resin bonded plywood can be used for mounting panels that will not be located in the cable vault.

4.05 Refer to BSP 622-700-100 for information on unistrut hardware.

5. CONNECTIONS

5.01 The meter panel should be connected to the vault pipe using 3/8 inch plastic tubing. Refer to BSP 637-050-100 for pipe fittings.

5.02 3/8 inch plastic tubing should also be used to connect the air flow indicator to the tip splice.

5.03 Refer to BSP 637-225-200 for information on installation of plastic tubing.

5.04 After the air supply has been connected to the tip splice and the amount of needed air flow has been set, Engineering should be notified of the increased air usage.

6. ORDERING INFORMATION

6.01 The meter panels and air flow indicators are supplied by:

Lourdes Industries
65 Hoffman Avenue
Hauppauge, New York 11787
Phone: 516-234-6660

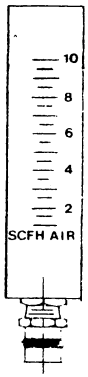
Attachments:
Figures 1-11

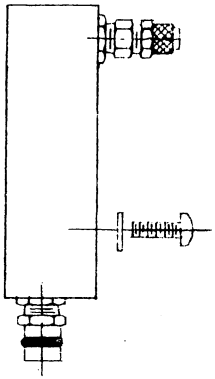
6.02 The meter panels can be ordered with any amount of air flow indicators installed, such as: 1 each LC81780-15 equipped with 10 each air flow indicators, scaled .2 to 2.0.

6.03 Figures 2 through 9 show dimension, capacity and part number of meter panels.

6.04 The part number of the air flow indicator is LC81781-30. The part number should also be supplemented with the desired scale reading.

FLOWMETER ASSY.
LC81781-30





Installation Procedure:

1. Remove single screw and washer from back of flowmeter.
2. Push unit down into manifold until the fitting hex is flush against the top of the manifold.
3. Secure unit in this position with washer and screw thru slot in bracket.

Typical
Rear View
of "B" Meter
Panel.

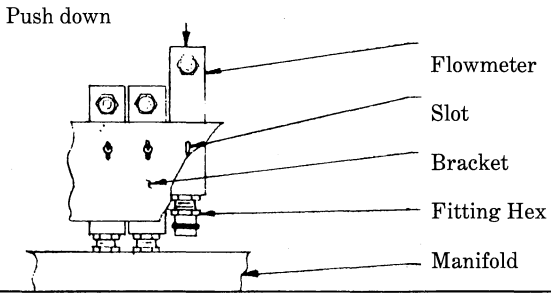
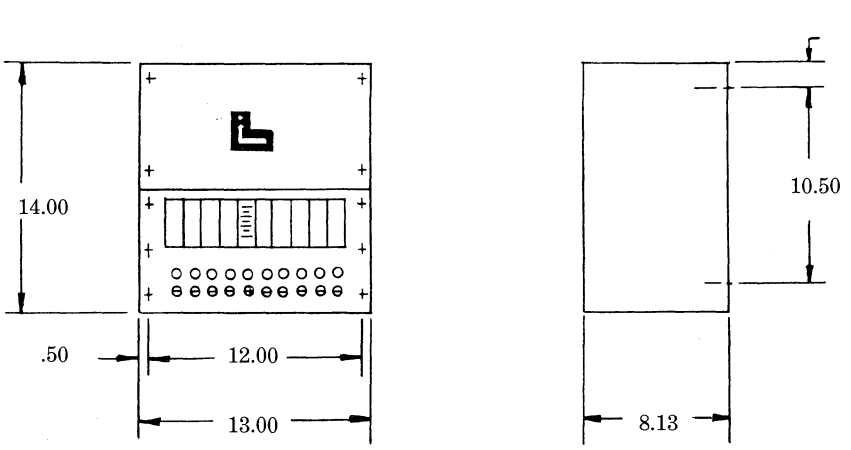


FIGURE 1

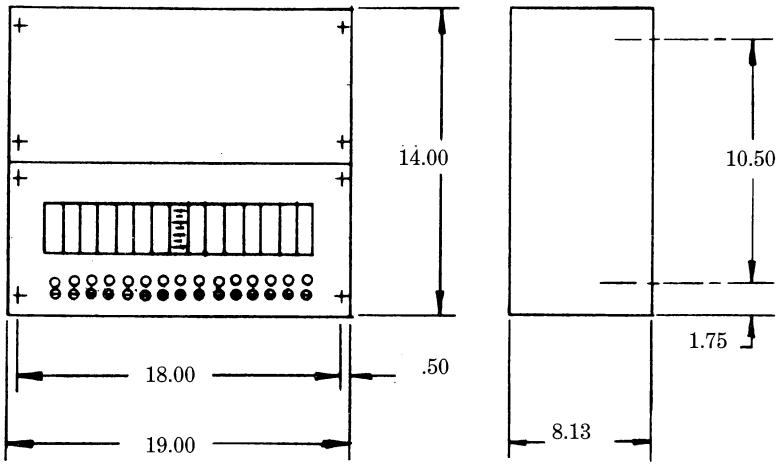


FEATURING

- Unobstructed large bore manifold to feed 10 cables
- Individual flow rators allowing any combination of flow scales
- Individual 1/4 turn shutoff valves
- Buffering capability (control flow)
- Unrestricted ball valve concept
- Individual pressure testing valves
- 13" W x 14" H x 8-1/8"D Aluminum Alloy construction

LOURDES — FLOW METERING PANEL — LC 81780-10

FIGURE 2

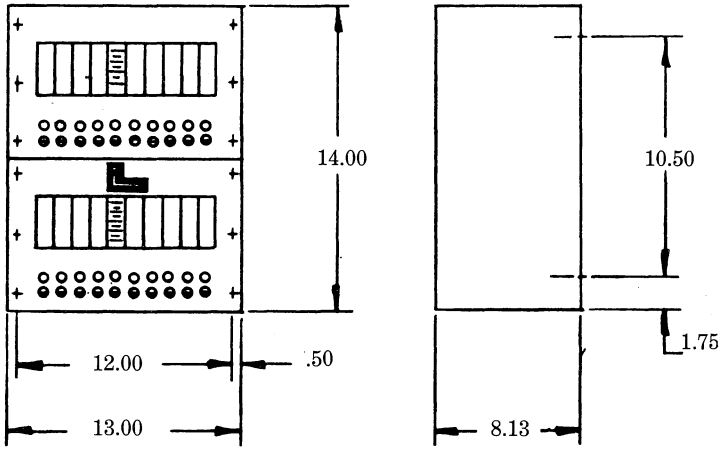


FEATURING

- Unobstructed large bore manifold to feed 15 cables
- Individual flow rators allowing any combination of flow scales
- Individual 1/4 turn shutoff valves
- Buffering capability (control flow)
- Unrestricted ball valve concept
- Individual pressure testing valves
- 19" W x 14" H x 8-1/8"D Aluminum Alloy construction

LOURDES — FLOW METERING PANEL — LC 81780-15

FIGURE 3

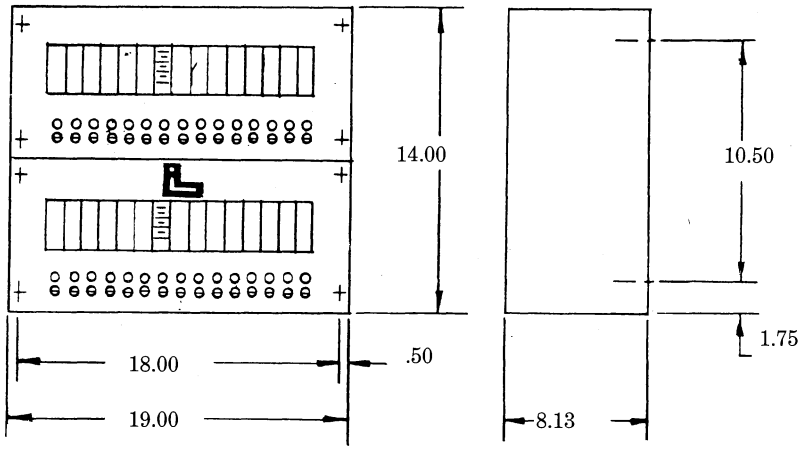


FEATURING

- Unobstructed large bore manifold to feed 20 cables
- Individual flow rators allowing any combination of flow scales
- Individual 1/4 turn shutoff valves
- Buffering capability (control flow)
- Unrestricted ball valve concept
- Individual pressure testing valves
- 13" W x 14" H x 8-1/8"D Aluminum Alloy construction

LOURDES — FLOW METERING PANEL — LC 81780-20

FIGURE 4

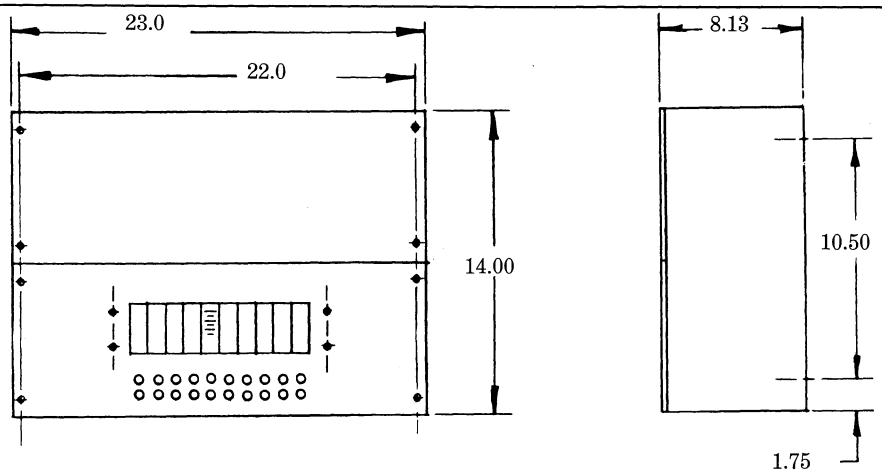


FEATURING

- Unobstructed large bore manifold to feed 30 cables
- Individual flow rators allowing any combination of flow scales
- Individual 1/4 turn shutoff valves
- Buffering capability (control flow)
- Unrestricted ball valve concept
- Individual pressure testing valves
- 19" W x 14" H x 8-1/8"D Aluminum Alloy construction

LOURDES — FLOW METERING PANEL — LC 81780-30

FIGURE 5



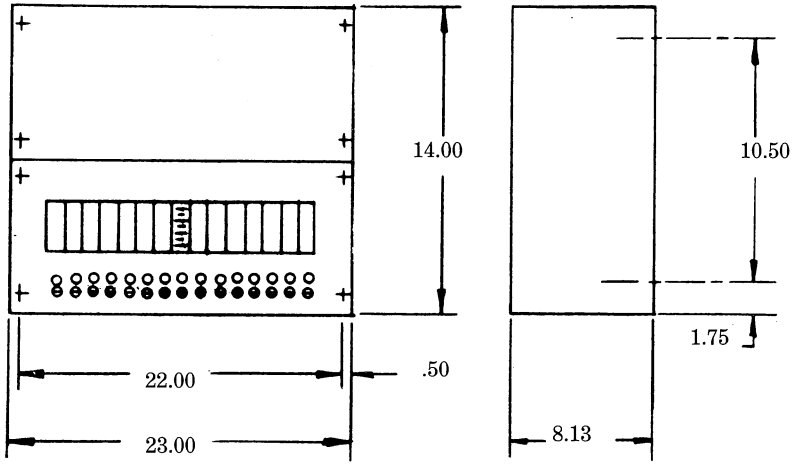
FEATURING

- Unrestricted manifold feed.
- Recessed 1/4" turn shut-off valves.
- Individual flowrators, flush mounted.
- Light weight alum alloy construction.
- Compact design allowing for 10 flowrators (0 - 240 SCFD)
- Forward mounted "F" valves for pressure testing.

90° Elbow, 3/8" poly-core fitting available upon request.

LOURDES ("B") FLOW METERING PANEL LC 81780-10L

FIGURE 6

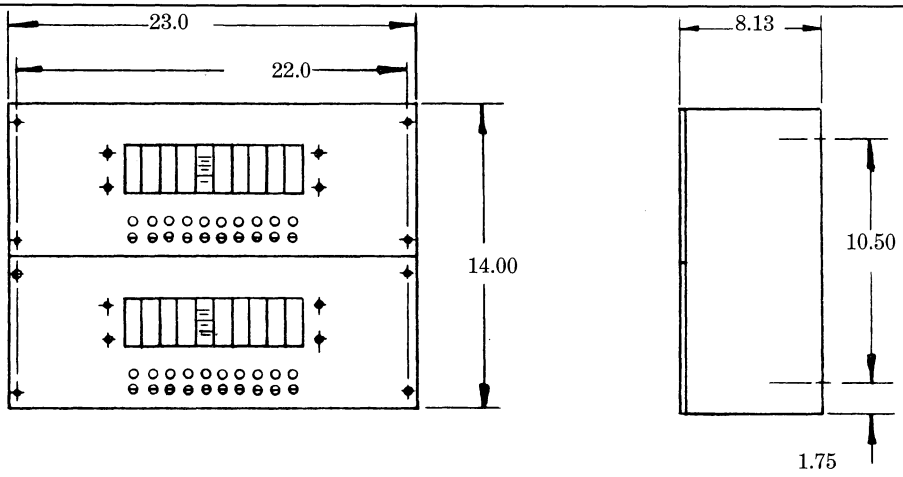


FEATURING

- Unobstructed large bore manifold to feed 15 cables
- Individual flow rators allowing any combination of flow scales
- Individual 1/4 turn shutoff valves
- Buffering capability (control flow)
- Unrestricted ball valve concept
- Individual pressure testing valves
- 23" W x 14" H x 8-1/8"D Aluminum Alloy construction

LOURDES — FLOW METERING PANEL — LC81780-15L

FIGURE 7



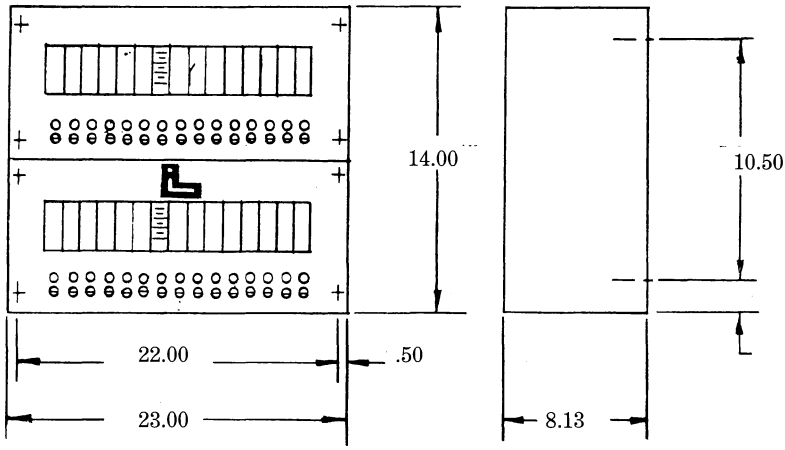
FEATURING

- Unrestricted manifold feed.
- Recessed 1/4" turn shut-off valves.
- Individual flowrators, flush mounted.
- Light weight alum. alloy construction.
- Compact design allowing for 20 flowrators (0 - 240 SCFD)
- Forward mounted "F" valves for pressure testing.

- 90° Elbow, 3/8" poly-core fitting available upon request.

LOURDES ("B") FLOW METERING PANEL LC 81780-10L

FIGURE 8



FEATURING

- Unobstructed large bore manifold to feed 30 cables
- Individual flow rators allowing any combination of flow scales
- Individual 1/4 turn shutoff valves
- Buffering capability (control flow)
- Unrestricted ball valve concept
- Individual pressure testing valves
- 23" W x 14" H x 8-1/8"D Aluminum Alloy construction

LOURDES — FLOW METERING PANEL — LC81780-30L

FIGURE 9

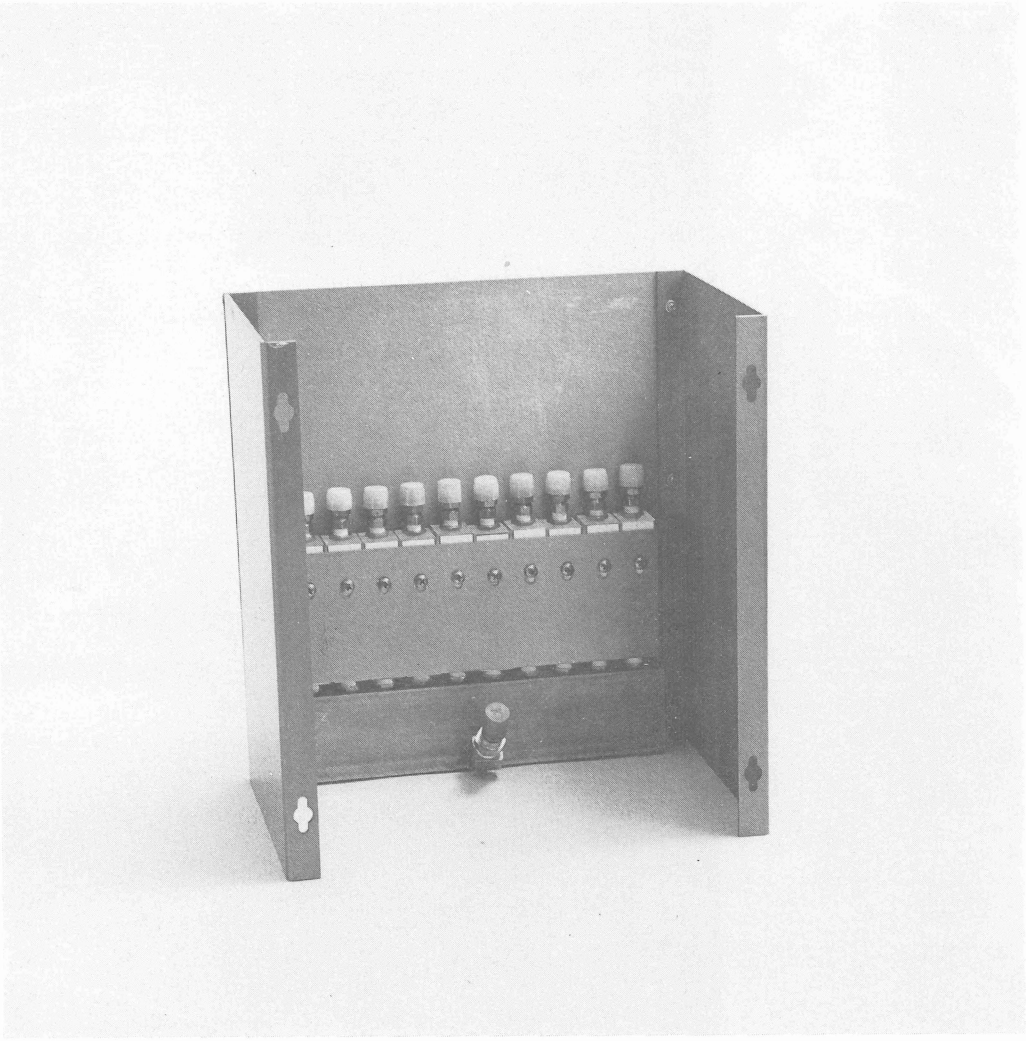


FIGURE 10

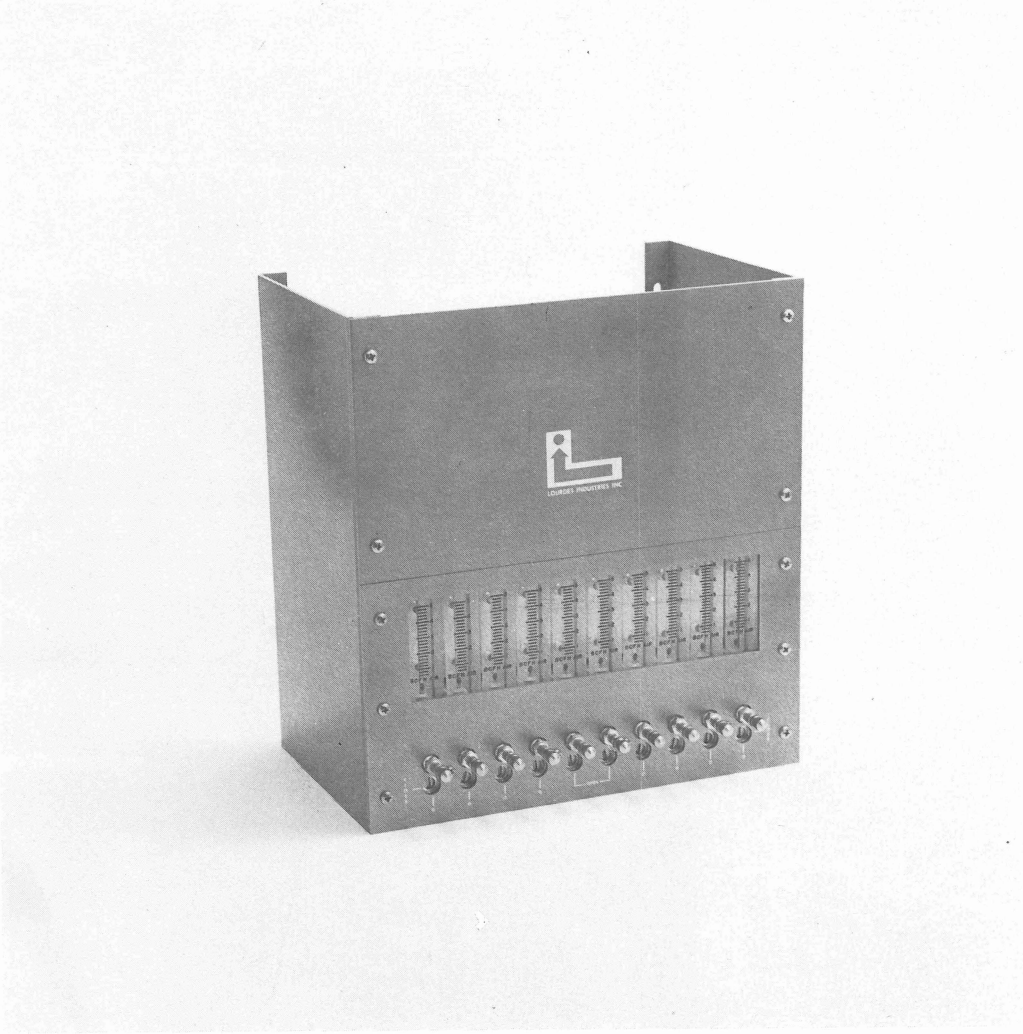


FIGURE 11