

### Auxiliary Power Input

Power to operate the valves may be provided through two sources: ONE, through the 25-pin connector if your signal source also has sufficient power to operate the bank of valves, or TWO, through a separate auxiliary power input connection built into the board. To isolate power from the 25-pin connector, use the power source selector switch.

NOTE: In applying power on a temporary basis, use care to observe proper circuit polarity.

### Power Selector Switch

Two-position selector switch enables choice of power input source (25-pin connector or auxiliary).

### 25-Pin Connector

### Clippard Electronic Valves

### Reverse Polarity Protection

Circuit using diodes and capacitor provides input voltage protection against reverse polarity.

### Resistor-Diode-LED Circuit

Individual circuit to each valve provides protection against shut-off spikes. LED is illuminated when valve is actuated.

### Valve Connection Cords

Cord and plug leads are terminated with solder connections on the board, and connect by molded plug to the valves. All connections are completed at the factory.

### Clippard Valve Manifold

Compact, efficient mounting of the valves is by Clippard multi-valve manifolds.

### Valve Identification

Valve numbers are silk-screened on each panel.

### Mounting Holes

Four (EMC-08) and six (EMC-12) mounting holes 0.191" dia. are built into each board.

### Printed Circuit Board

Durable laminated fiberglass

### LED Bank

Illuminated LED signals that the valve is actuated.

### 3-Position Detented Switches

Three position slide switch provides for:  
 ON - Power "ON"; valve is activated  
 OFF - Power "OFF"; valve not connected  
 CONN - Valve connected to 25-pin connector, and will be controlled through it.

