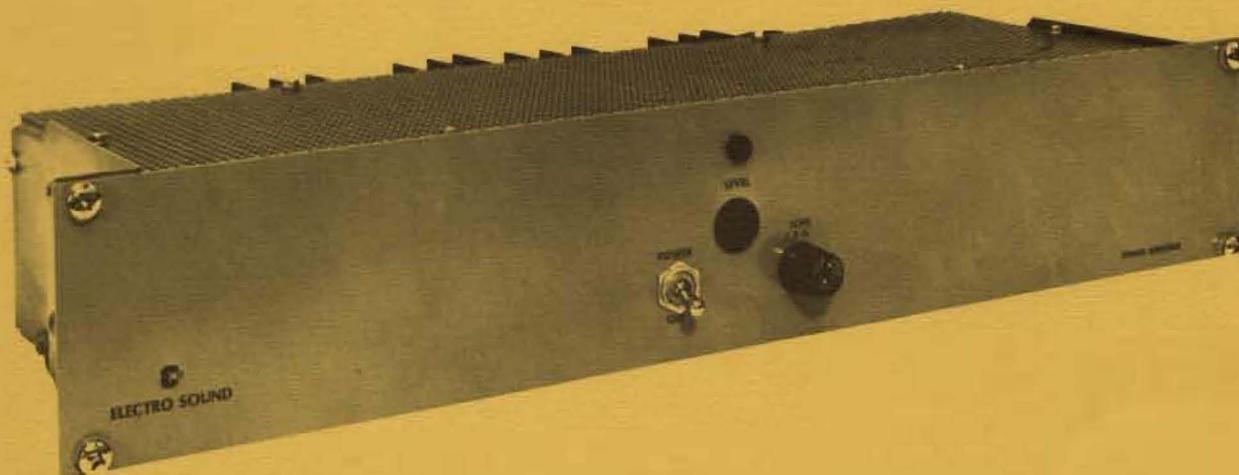




MODEL 950 POWER AMPLIFIER



DESCRIPTION

Electro Sound presents a new addition to its line of professional sound equipment. The Model 950 Power Amplifier now takes its place proudly beside other quality components specifically engineered to the exacting requirements which are characteristic of Electro Sound design.

Conservatively rated at a power output of 50 watts rms, the Model 950 features a wide range frequency response with minimum distortion and low noise. The output is tapped for load impedances of 4, 8, 16, and 100 ohms; the 100 ohm tap represents a 70 volt output line.

Underlined during the design phase was the necessity of producing a continuous duty, trouble free, amplifier which would operate over long periods of time without the need for protracted maintenance procedures. An example of the extreme care taken during the engineering portion of the development program is the current sensing circuit which protects the output against accidental overloads. This circuit holds the output within safe operating ranges even if an accidental short occurs. In conjunction with the large heat sinks on which the output transistors are mounted, maximum protection is thus assured.

FEATURES

- All solid state design.
- Massive heat sinks to prevent overheating.
- Output circuit protected by current sensing network.
- Recessed level control to discourage tampering.
- Printed circuits bonded to epoxy glass boards to provide greater strength and dependability.
- Occupies only 3 1/2 inches of vertical space in a standard 19 inch rack.
- Plug-in facility for bridging or matching input transformers.

SOUND SYSTEM COMPONENTS



SPECIFICATIONS

Input Sensitivity	0.8 volt rms for rated output.
Power Output Rating	50 watts rms.
Distortion	Less than 0.5% total harmonic distortion from 40 to 15,000 Hz at rated output.
Frequency Response	±1 dB, 40 to 20,000 Hz at rated output. ±1 dB, 20 to 20,000 Hz at one watt output.
Input Impedance	15,000 ohms, potentiometer.
Load Impedance	4, 8, 16, and 100 ohms tapped from output transformer (100 ohm output represents 70 volt line).
Noise Level	85 dB below rated output, or -38 dBm.
Controls	Level potentiometer, audio taper.
Power Requirement	105 to 125 volts, 50 or 60 Hz.
Operating Temperature	Up to 55°C, ambient.
Weight	21 pounds.
Dimensions (in inches)	3 1/2 (H) x 19 (W) x 11 (D).