

MODEL 793 AMPLIFIER

INSTALLATION AND OPERATION INSTRUCTIONS

Model 793 is a multi-purpose all silicon solid state amplifier with an audio output of 30 watts sine wave (RMS). The amplifier is designed for use with up to three microphones in paging or public address installations, also with a ceramic or crystal phono cartridge, a tuner, or other auxiliary equipment. Provision is made for matching low or high impedance microphones to the respective inputs of the amplifier by means of individual selector switches. Included is a microphone precedence circuit to permit suppression of the music channel while paging.

UNPACKING:

The unit is to be removed carefully from the carton and inspected for any possible damage in transit. If there is any evidence of any damage which might have occurred in shipment, notify your dealer at once, or the transportation company which delivered it. Claims for damage sustained in transit must be made upon the Carrier. Save all packing material for inspection by the claim agent who will furnish you with the proper forms and will also, give you the necessary instructions for filing a claim. In addition to the Unit, there should be a warranty card included in the carton.

To insure proper servicing and to protect your rights under the warranty, be sure to fill in the warranty registration card without delay and mail to the factory.

WARRANTY

Your RAYMER unit has been very carefully inspected and should require no further service. Each unit is warranted to be free from defects in material and workmanship under normal use and service for a period of one year from date of delivery to the original purchaser. If this unit appears to be defective, the factory will repair any unit returned within said one year, providing all transportation charges are pre-paid, and which our examination shall disclose to our satisfaction to be defective.

This Warranty does not include free labor, nor is it applicable to any unit which shall have been subject to accident, tampered with, mis-used, abused, or altered in any manner whatsoever. Further, this Warranty shall not apply to any unit which has been connected improperly.

It is recommended that any Tuner on which service is required, be processed through your dealer wherever possible.

This Warranty is expressly in lieu of all other Warranties, expressed or implied, and of all other obligations or liabilities on our part. We neither assume nor authorize any other person to assume for us any other liability in connection with the products manufactured by Trutone Electronics, Inc.

INSTALLATION:

Because of its attractive appearance, the Amplifier may be placed on a table or shelf.

DO NOT set it on top of vacuum tube equipment. Although the Amplifier has ample vents for normal ventilation, sufficient space should be allowed around it to permit free air flow.

DO NOT STORE OR OPERATE the unit in areas where the ambient temperature exceeds 140 degrees Fahrenheit.

Plug the AC line cord in any outlet furnishing 105 to 120 volts, 60 cycles AC.

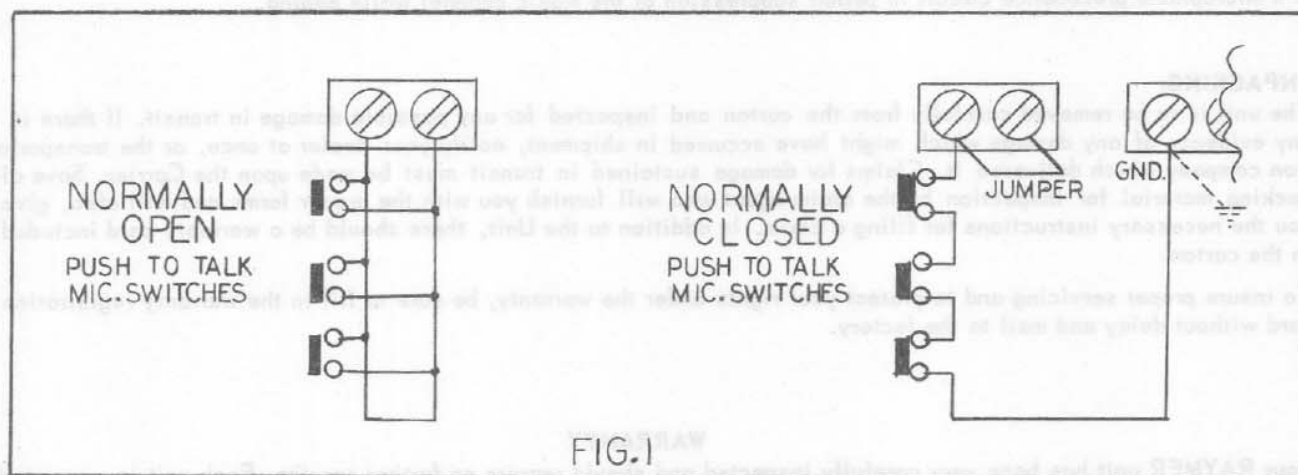
An AC receptacle is located on the rear of the chassis to supply power to other components such as tuner, phonograph motor, etc. The auxiliary equipment connected to the AC Receptacle is controlled by the Power on-off switch so that turning off the amplifier turns off all equipment.

CONNECTIONS:

All input connections are made on the rear panel of the amplifier.

When it is desirable to suppress the music channel while paging, connect the microphone precedence circuit as shown in Figure 1. The music suppression circuit is designed to operate with a tuner with high impedance output, a phonograph, etc. If it is desirable to operate from a low impedance music source, such as a transformer or cathode follower output, a resistor should be added in series with the music input of the amplifier, approximately 1K to 22K depending upon the amount of suppression desired.

A separate slide switch is provided to select the proper input impedance for each microphone input. The high impedance position will match either crystal or dynamic high impedance microphones. The low impedance position will match microphones in the 150 ohm to 500 ohm impedance range.



The screw terminals for the speaker connections are located at the right on the rear panel. Any ordinary insulated wire, such as parallel lamp cord, is suitable for hooking up the unit directly to the voice coils of speakers or to 25 or 70 volt line transformers.

When a speaker with an impedance of 8 ohms or more is connected to the amplifier, use the terminals on the amplifier marked "GND" and "8". If, however, the speaker uses a 25 or 70 volt line transformer, connect the speaker transformer to the terminals marked "Com 2" and "25 V" (or "70 V") according to the line desired. If a balanced output line is to be employed, disconnect the jumper between "Com 2" and "GND"; for an unbalanced line the jumper remains connected between "Com 2" and "GND".

CAUTION:

This amplifier is equipped with a circuit breaker, designed to protect the transistors against overload. Do not attempt to defeat the function of this breaker. In the event that the circuit breaker constantly "kicks out", check the load on the output of the amplifier. Attempting to operate the amplifier into a short circuit or an impedance lower than recommended will draw too much current through the transistors causing the circuit breaker to "kick out".

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