Westinghouse

I.L. 2415

D-C. to A-C. Inverter

INSTRUCTIONS FOR INSTALLATION AND OPERATION

APPLICATION

The d-c. to a-c. inverter is an intermediate device used to convert battery power into 115 volts, 60 cycles so that standard a-c. apparatus within its capacity can have a positive source of power at all times. Apparatus may be operated interchangeably, if necessary, on either d-c., (through the d-c. to a-c. inverter) or directly on 115 volts, 60 cycles.

INSTALLATION

The inverter is arranged for rear of panel mounting using either the strap-mounting provided or by removing the strap and using screws through the panel and into the base inserts.

Mount the inverter so the face of the terminal board is vertical with the name plate on top. Mounting in any other position may cause erratic operation.

The resistor across the a-c. output terminals, as shown in the accompanying diagram, maintains the output voltage within permissible variations from no load to a maximum of 3 V.A. In the event greater output is desired, the resistor should be removed. In no case, however, should the load on the inverter exceed 7-1/2 V.A. When the load exceeds the maximum permissible amount, the wave form becomes distorted and the contacts spark and burn.

MAINTENANCE

For infrequent operation, such as is normally required for the inverter, it should not be necessary to clean the contacts or make any contact adjustments. If the inverter is used for frequent' long periods, an occasional inspection should be made of the vibrator mechanism and contacts by slipping the vibrator out of the micarta and rubber housing. The contacts should be cleaned, if necessary, using an extremely fine file.

When placing the vibrator back in the case, make certain that the vibrator springs will be vertical so that the weight at the end of the center spring will not bias the contacts one way or another. This would increase the starting voltage, which is normally not more than 70% of the nameplate d-c. voltage rating.

ENERGY REQUIREMENTS

D.C. Voltage	Burden on A.C. Side	Drain from Battery
125	7.5 V.A.	25 Watts
250	7.5 V.A.	70 Watts

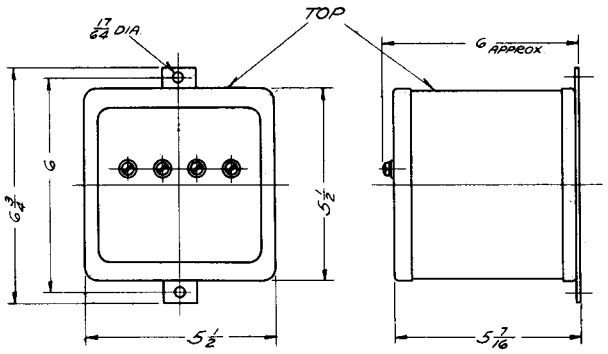

FIG. 1 - D-C. VIBRATOR, ADAPTER FOR A-C. MOTORS OUTLINE

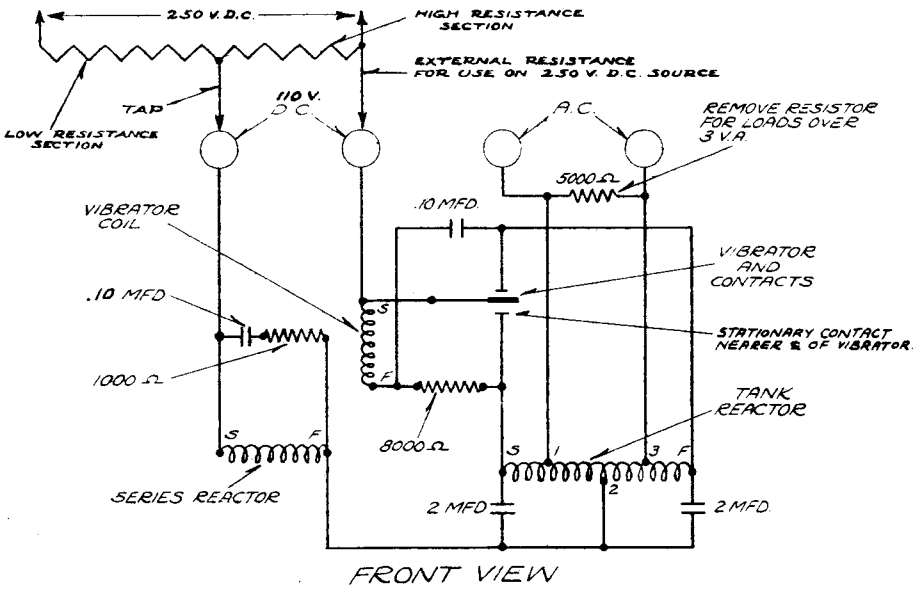

FIG. 2 - D-C. VIBRATOR ADAPTER FOR A-C. MOTORS-WIRING DIAGRAM

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