ELMAC POWER SUPPLY



MODEL PS-2V

115 VOLT 60 CYCLE

A UNIVERSAL POWER SUPPLY

Designed to be used with the ELMAC AF-67 Trans-citer or a variety of other applications.

SPECIFICATIONS

- 6V. @ 6A. or 12V. @ 3A. AC for filaments.
- 230 volts @ 80 ma. DC output.
- 475 volts @ 170 ma. DC output.
- Separate filament and plate transformers.
- Jones barrier strip for convenient connections.
- Includes a mounted switch which can be used for AC "on-off" or "transmit-receive" switch.
- Cabinet matches AF 67 Trans-citer.
- Primary circuit fused.
- Separate rectifier and filter circuits for each DC output.
- Both DC supplies use choke input filters.
- Uses 1 5U4G and 1 6X5GT tube.
- 24 volt tap on filament transformer for control or bias supply.
- Size, 11 ¼" wide, 7" high, 8 ½" deep. Weight, 26 lbs.

ACCESSORIES

CFS-1 Cable Complete cable, plug, and fanning strip to connect the PS-2V to the AF-67 Transciter.

PTR-1 Kit. Includes rectifier, relay and filter condenser to allow "Push-to-talk" operation of your station from an AC supply.

MULTI - PRODUCTS COMPANY

HAZEL PARK, MICHIGAN

OPERATING INSTRUCTIONS

CUIFUT—The PS-2V power supply has both 6V and 12V AC filement supplies. The 6V output has rating of 6 ones, and the 12V supply has a rating of 3 ones, max. Both 6V and EV supplies are rating of 3 ones, max. Both 6V and EV supplies may be used simultaneously provided the sum of both corrects do not exceed 6 oneseed for there is also a 24 vall visiding an one filement fractional rating. The one of the control purposes or can be rectified and used as a bias supply. Approximately 36 valls DC can be had in this value.

In addition to the filoment supplies, two HV supplies are included, one rated at 230 valts. @ 80 ma, and one of 475 volts @ 170 ma. Beth of these DC outputs can be used simultaneously. Each of these DC outputs has a separate reciffer, chake input filter, and bleeder resistor insuring good regulation.

CONNECTIONS—The primary power connection is brought out with a standard cord and play. All other connections are made to a losset type burnist reminal strip for ease of connecting wires and lakability. Terminals "C", "115", "F", and "P" are all port at the primary circuit and or a crangard as to collow-various conniciones of svicking corresponds to Terminals. "C" and "115" are HOT at all times. By connecting a svictib between terminals "115" and "F" the primary of the floriment instances are considered "and "and "o". This treatment is accomplished to prover "on-off" is witch on the AT-6J Termicals when using the TCS-I accessory colobil. Connecting a visicia between seminals." "B" and "F" the plate transformer can be turned "o" and "F" the plate transformer on the turned "o" and "F" the plate transformer on the turned "o" and "o" the plate transformer on the turned "o" and "F" the plate transformer on the turned "o" and "F" the plate transformer on the turned "o" and "o" the plate transformer on the turned "o" and "o" and "F" the plate transformer or the turned "o" and "o" of "F" the plate transformer or the turned "o" and "o" of "for the plate transformer. The plate transformer or the turned "o" and "o" of "for the plate transformer or the turned "o" and "o" of "for the plate transformer or the turned "o" and "o" of the plate transformer or the turned "o" and "o" of the plate transformer or the turned "o" or of the plate transformer or the "or of the

The switch mounted on the PS-2Y power supply is NOT connected to anything as delivered, but is supplied with leads that can be soldered by the customer to any terminal on the strip, depending an function desired.

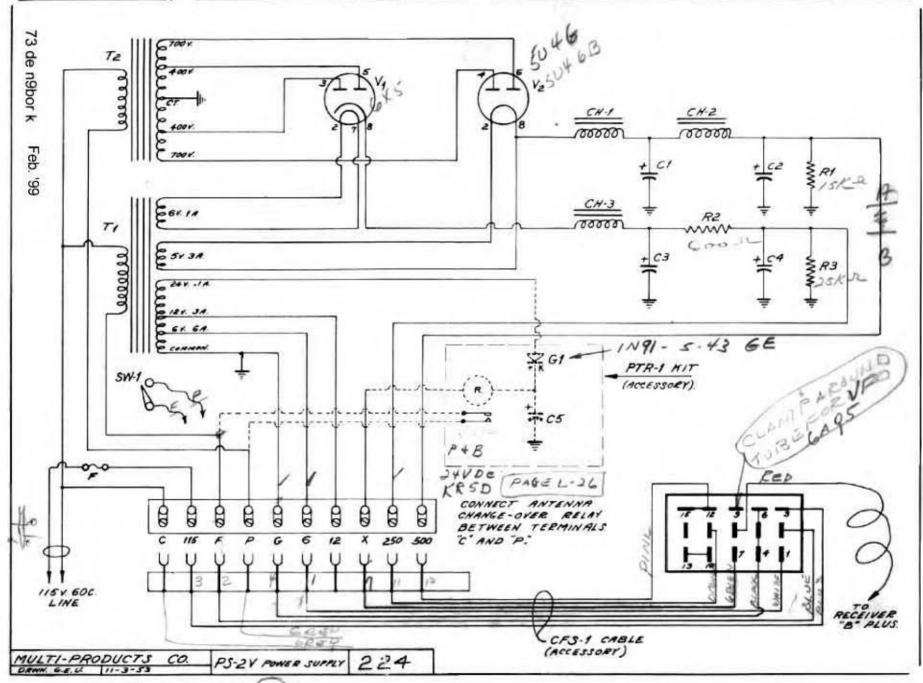
Additional relays, such as antenna or receiver muting relays, con be connected across terminols "C" and "P", controlling the entire station from the PS-2V power supply.

WARNING — ALWAYS REMOVE THE CORD AND PLICE FROM THE AC OUTLET WHEN MAKING CONNECTIONS TO THE TERMINAL STRIP OR WORKING ON THIS POWER SUPPLY. TERMINAL STRIP OR WORKING ON THIS POWER SUPPLY CHARGES OF SWITCH POSITIONS, VOLTAGES EMPLOYED IN THIS POWER SUPPLY CAN BE FATAL.

CFS1 Coble—This coble modes oil proper connections between the PS-ZV power supply and the AFG Transcher. This coble permitted power "on-off" which on the AFG To countre' bringing power to the PS-ZV power supply. This coble also cliens the punk-to-talk variet on the microphone to countre the transmir receive factors in the PS-ZV a sequipped with the PTR-L blow. The single wire extending from the 15 prong plag should be connected to the receiver "B" plus to supply the VPO in the AFG To ston-size for frequency sporting.

PTR 1 Kit—A kit consisting of a rectifier, relay, and filter condenser to allow the push-to-talk switch on the microphane to be used as a transmit-receive switch.

INSTALLATION—Moon the relay in the two losies provided in the closis next to the filterest room. former. Moon if it such a way their the contact reminds one two-risk the loses setmind styp. Wire the "strongly open" trainy disenseptical to strendess P" and P". Consect one relay call term and the provided of the relative color the provided of the relative color the relative color the relative color of the relative color o



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PARTS LIST

T1 —Filament transformer	Part #121P8
T2 -Plate transformer	Part #121P6
V16X5GT tube	_
V2 -5U4G tube	
C1 -8 mfd. 600 vait electroly	tic condenser
C2 -8 mfd, 600 valt electroly	
C3 —15 mfd. 450 volt electrolytic condenser	
C4 —25 mfd. 450 volt electrolytic candenser	
CH1-8 henry 250 ma. choke	Part #121C11
CH2-8 henry 250 mg, choke	Part #121C11
CH3 & bears 100 mg choice	Part #121C2

- R1 —15K ohm 50 watt resistor
- R2 ---600 ohm 10 watt resistor R3 ---25K ohm 10 watt resistor
 - R3 —25K ohm 10 watt resista: F —5 amp, fuse
- G1 —General Electric 1N91 Fused junction germanium rectifier
 C5 —50 mfd 50 volt electrolytic condenser
- R —KR5D 24 valt DC call SPDT Patter Srumfield relay

WARRANTY

This power supply has been carefully tested and was shipped from the factory in perfect operating condition. If the unit arrives damaged in transit, it is important that you file claim immediately with the carrier.

THE MUITI-PRODUCTS COMPANY, worranting this power supply to be free from defertive materials and warkmonship, ougres to repoir or replace, without charge, any port or accessory within 90 (inletpl days of the dote of sole to the original purchaser. Letter of explanation must precede any ordice strumed under this worrows', Any ordice featured to the mount-forciver shall be thispeed pregod by the owner. Any follow of the equipment following modification by the user, or accurate the control of the co

The manufacturer reserves the right to make any changes in this unit without obligating itself with respect to prior production.

This warranty shall not be in effect if the owners registration card is not properly filled out as to model no., serial no., date purchased, from whom porchased, and farwarded to the MULTI-PRO-DUCTS COMPANY.