IC KEYER - MK V

Installation. Connect a 9 volt transistor battery to the plug and put the battery in the clip on the rear of the keyer. An alkaline battery is recommended.

Connect the transmitter to the XMTR jack using a shielded cable. A mating connector is provided with the keyer for this purpose.

Operating. With the toggle switch in the AUTO position the keyer works fully automatic. Adjust the volume and speed controls for the desired speed and sidetone volume.

The keyer makes dots, dashes, and spaces at speeds from 5 to 50 wpm. Also if both paddles are held closed operation is iambic; alternating dots and dashes. The series can be started with either a dot or a dash depending on which paddle is closed first.

Dots and dashes are said completing. Once a dot, dash or space is started it cannot be extended or cut short by improper key action.

To prevent lost dots the keyer has a dot memory. If a dot is called for too soon (before a space is over) the keyer remembers and inserts the dot at the proper time. Also there is a dash memory that works the same way for dashes.

With the switch in the SEMI position the keyer is semiautomatic. Dots are automatic but dashes must be made by hand just as with a straight key or a "bug".

With the switch in the TUNE position the relay contacts remain closed for transmitter tuning.

External Battery. A 9 volt alkaline battery will give about 75 hours of operation and makes the keyer completely portable. A 9 or 12 volt lantern battery can be used and will power the keyer for about two years. Do not apply more than 15 volts DC to the keyer.

Transmitter connection. The keyer will key either grid-block or cathode keyer transmitters up to 300 volts. The contacts are rated at 1/2 ampere.

If the transmitter presents an inductive or capacitive load the relay may stick closed. If so, disconnect the transmitter and make a string of dots to free the contacts. Then put a resistor in series with the keyed lead. Try 1000 ohms (or as large as you can use and the transmitter still key properly). Or use an R-C spark suppressor.

Paddle & Sidetone Adjustments. Dot and dash paddles are separately adjustable for travel (contact spacing) and there is an adjustment for spring tension. On the circuit board inside the keyer a small potentiometer adjusts the sidetone pitch.

To get at these adjustments remove the two black screws on the sides of the keyer and remove the lid.