

JAMES MILLEN MANUFACTURING COMPANY, Inc.

Instructions for 90751 Tone Modulator

GENERAL

The No. 90751 is a MILLEN "Designed for Application" battery powered transistor oscillator for tone modulating a Grid Dip Meter.

BATTERY

The Tone Modulator is supplied without a battery so that a fresh battery may be installed at the time of purchase. The battery required is a standard Mallory No. TR-132R 2.5 volt mercury battery. It is installed with the positive terminal (case) at the end of the modulator away from the plug. Installation of the battery is simple. Remove the case from the modulator by removing the three screws around the base. Note

the side which uses a short screw. Be sure that only a short screw is used on this side when re-assembling. Plug the battery into the clips with the positive terminal away from the plug. Re-assemble the case and the modulator is ready for use. The battery normally will last its shelf life of over a year. Heat will shorten the battery shelf life. Do not store where the temperature will exceed 100° F.

OPERATION

When the modulator is plugged into the 'phone jack of a Grid Dip Meter, the switch automatically closes, applying power. Removing the modulator

from the 'phone jack opens the switch, thus prolonging battery life.

OTHER USES

In addition to its prime use as a modulator for Grid Dip Meters, the No. 90751 Tone Modulator has many other applications. Since the output signal level is adequate for headphones without an amplifier, the tone modulator may be keyed for code practice. It may be plugged into the

mike jack on a transmitter modulator to provide an audio tone of approximately 800 cycles for test or to provide modulated C-W. Other unmodulated test equipment may be modulated by the No. 90751.