

## "S" METER

The ESS-3 "S" Meter is an accessory external 0-1 milliampere meter calibrated in "S" units for use with the Multi-Elmac PMR-7 receivers.

## INSTALLATION

The three colored wires from the ESS-3 box should be connected at the following points as shown on drawing #388 in the receiver instruction book.

(Black Wire) - Connect this wire to pin #1 of the octal utility and control plug. Any other convenient ground can be used if preferred.

(Red Wire) - Connect this wire to pin #3 of the utility and control plug. This is the B+ terminal.

(Yellow Wire)- Connect this wire to pin #4 of the utility and control plug. This wire supplies B+ current to the last IF amplifier tube.

A mounting strip with four holes is furnished with the ESS-3. The two inner holes match the holes in the four sides of the meter box. The two end holes are used to mount the box and bracket assembly to the dash, steering column, or other suitable location. This permits the meter box to be mounted from any one of its four sides depending upon location in the car. Two sheet metal screws are furnished for attaching the strip to the "S" meter box.

To adjust the "S" meter remove the antenna plug from the receiver and short input jack with a piece of bare wire. Adjust potentiometer R-200 until the "S" meter reads zero under this zero signal condition. The "S" meter reads zero when the receiver is turned off. If not, adjust to zero with panel screw adjustment on the meter. If it becomes necessary to replace the second I. F. amplifier tube, a careful selection of tubes must be made since changes in the electrical characteristics of the tube will change the sensitivity of the "S" meter.

21470 Coolidge Highway  
Michigan

MULTI-PRODUCTS COMPANY  
Oak Park 37,  
April 12, 1956