

## OPERATING INSTRUCTIONS

### SEE FIGURE 8.

Correct placement of the P-2 SWR meter depends on your antenna feed system. Commonly used feed systems are:

**TYPE 1.** Coaxial cable from the transmitter straight to the antenna (no matching devices).

**TYPES 2 and 3.** Coaxial cable to an impedance-matching device between the transmitter and antenna.

**TYPE 2.** Uses coaxial cable (coax) between the matching device and the antenna.

**TYPE 3.** Uses balanced line or single wire feed between the matching device and the antenna.

Follow the instructions that apply to your type of transmission or feed line.

**IMPORTANT NOTE:** To use the P-2 with Citizens Band equipment, all transmitter adjustments must be made by a properly licensed person, unless the oscillator circuit is a sealed unit. Adjusting the controls on a CB transmitter requires a First or Second Class commercial license.

### INSERTING THE P-2 IN THE TRANSMISSION LINE

**TYPE 1. LINES WITH COAXIAL FEED TO THE ANTENNA** (no coupling or matching devices).

The best place to insert the pick-up unit in the antenna system is at the junction of the feed line and the antenna. There are several reasons for this. First, if an SWR greater than 1 to 1 is present, the length of the feed line will not affect the readings of the P-2. Second, if the line losses in the coax are high, it is possible that the losses will attenuate the SWR reading at the transmitter end of the coax. Although this position may be the best in terms of electrical considerations, mounting the pick-up unit at the antenna may be impractical from a mechanical or accessibility standpoint. The pick-up unit should then be placed at the output terminals of the transmitter. If a TVI filter is used, the pick-up unit should go between the transmitter and the filter.