

MODEL 200EP INDUCTIVE AMPLIFIER (VOLUME CONTROL)

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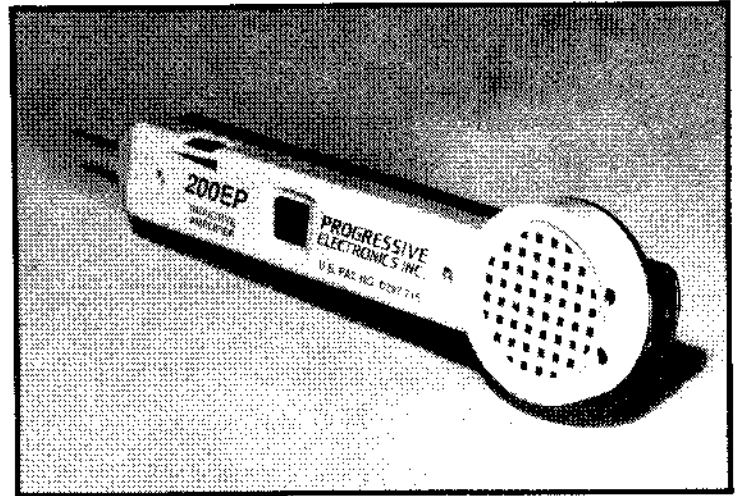


Figure 1. Inductive Amplifier Model 200EP.

1. GENERAL

1.01 This section provides information on the Model 200EP Inductive Amplifier, manufactured by Progressive Electronics, Inc. (See Figure 1)

2. DESCRIPTION

2.01 The Inductive Amplifier is designed to identify and trace wires or cables within a group without damaging the insulation. The unit is constructed of durable ABS plastic, weighs approximately 5 ounces, measures 8 inches long. Power supply is any 9 volt battery with a life of approximately 100 hours. Optional belt-hung leather carrying case, 200C, available.

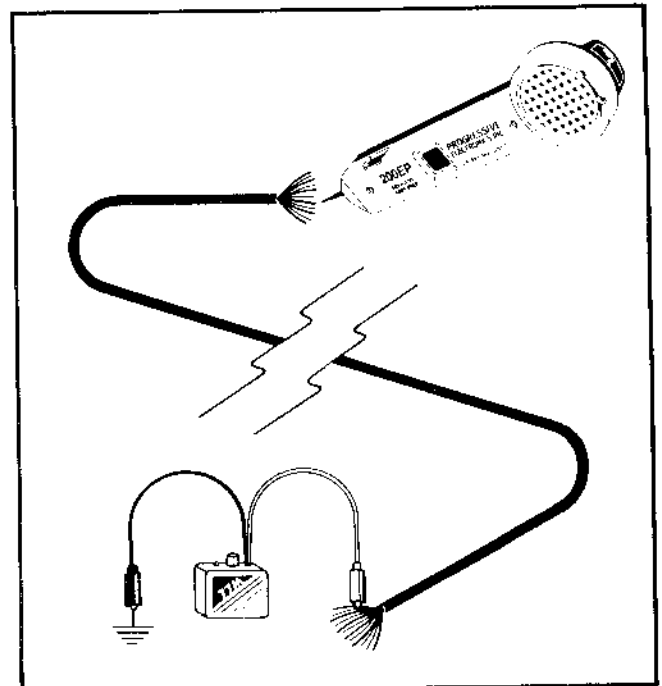


Figure 2. Tone Source Connection.

3. OPERATION

3.01 Identification by induction is accomplished by:

- (a) Connecting the tone generator.

In working cables that are terminated:

Connect one lead of a PEI tone test set (61, 77A, 77M, 100B, 600LS) to a terminated wire and the other test lead to earth or equipment ground. (See Figure 2)

In non-working or unterminated cables:

Connect one test lead of a PEI tone test set (61, 77A, 77M, 100B, 600LS) to an unterminated wire and the other test lead to another unterminated wire.

- (b) To activate the 200EP, depress the square on/off spring-loaded button.
- (c) Once activated, the volume control switch can be adjusted to suit the environment. Reception can be increased to overcome noise (i.e. vehicular traffic, airplanes or engine room), or decreased to reduce interference (i.e. computer/data hum, AC buzz).

- (d) The Model 200EP is equipped with recessed ports for connecting a lineman's handset. Attaching the handset automatically activates the amplifier. The handset must be in the TALK position.

- (e) To activate the 200EP without depressing the on/off button, connect a jumper wire to each terminal in the recessed ports.

- (f) Touch the tip of the 200EP to the insulation of each suspect conductor.

- (g) Reception of tone will be loudest on the subject wire. (Reception of the tone may be improved by separating the wires from the group.)

4. MAINTENANCE

4.01 The 200EP is maintenance free except for battery replacement. Remove the screw from the battery compartment, replace the 9 volt battery and reassemble.