INSTALLATION

198 4555K10-006A
Supersedes 4555K10-006

TYPE AB-30

AMMETERS AND VOLTMETERS

(THIS PUBLICATION FORMERLY IDENTIFIED AS GEH-1560)

Cut and drill the panel as indicated in Fig. 1. All drilling and wiring on the switchboard should be completed before mounting the instruments. The instruments must be mounted in a level position.

These instruments are practically unaffected by stray fields, but it is advisable to keep wires carrying heavy current as far as possible from all indicating instruments. When the instrument is mounted in a level position, any deviation from zero should be corrected by means of the zero adjustment.

Connect the instrument as shown in the appropriate diagram.

GROUNDING CASES OF A-C INSTRUMENTS

If transformers are used on circuits of over 150 volts, connect the grounded side of the secondary circuits to the instrument case. Use No. 12 Awg copper wire. Grounding connections should be made in accordance with the provisions of the National Electric Code.

A-C AMMETERS

When the circuit exceeds 30 amperes or 650 volts, a current transformer of the ratio indicated on the nameplate must be used.

A-C VOLTMETERS

When the circuit exceeds 750 volts, a potential transformer of the ratio indicated on the instrument nameplate must be used.

An external Form-3 resistor must be used on instruments rated 750 volts.

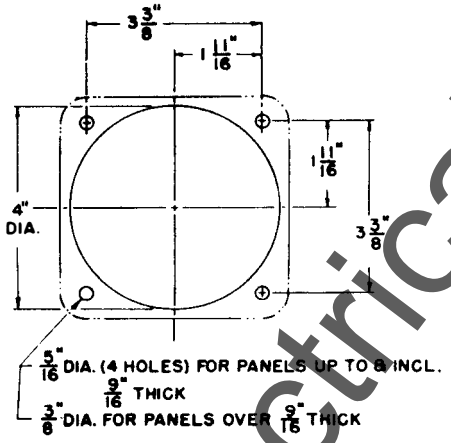

Fig. 1. Cut-out and panel drilling dimensions

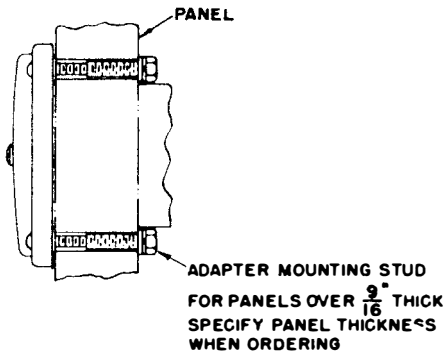

Fig. 2. Adaptor mounting stud

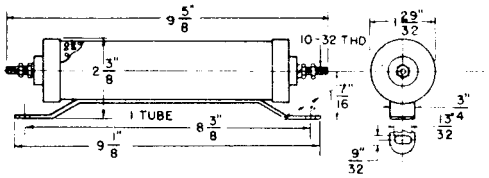

Fig. 3. Dimensions of single-tube, Form-3 resistor

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.

GENERAL ELECTRIC

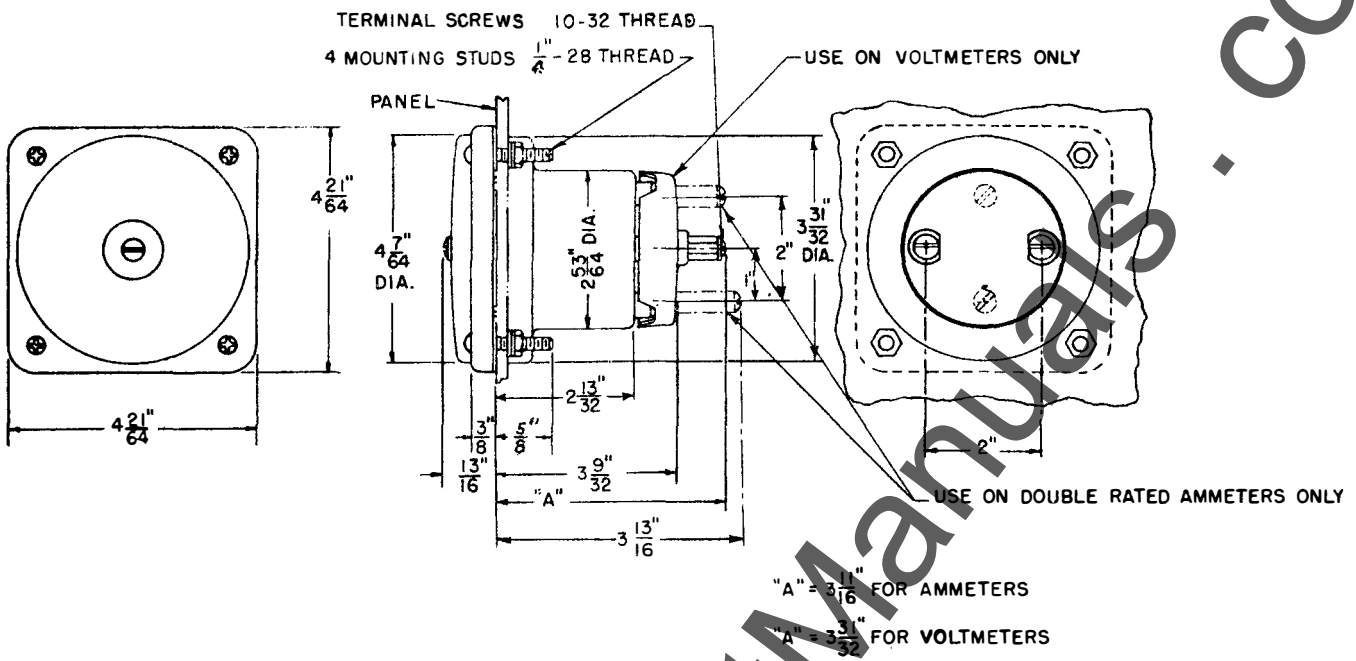

Fig. 4. Dimensions of Type AB-30 ammeters and voltmeters

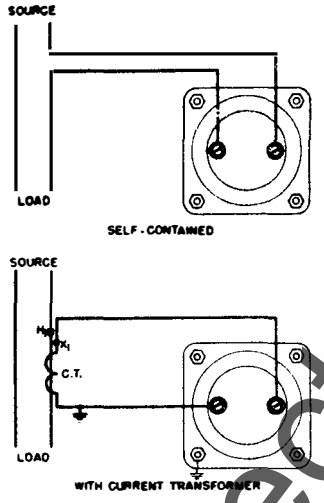

Fig. 5. External connections of a-c ammeter

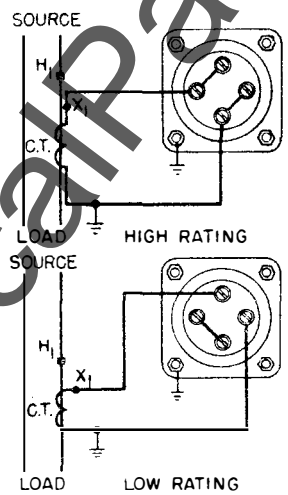

Fig. 6. External connections of double-rated a-c ammeter

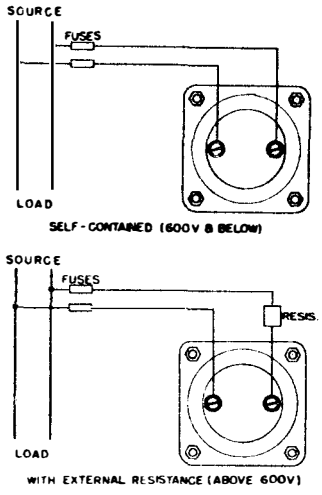

Fig. 7. External connections of a-c voltmeter

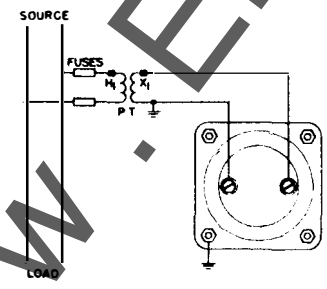

Fig. 8. External connections of a-c voltmeter with potential transformer

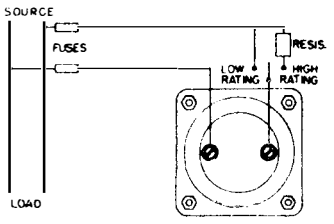

Fig. 9. External connections of double-rated a-c voltmeter without potential transformer

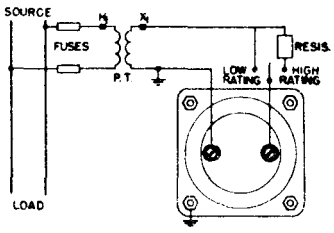

Fig. 10. External connections of double-rated a-c voltmeter with potential transformer