



INSTRUCTIONS

GEI-74660

DIRECTIONAL OVERCURRENT RELAY

Type CJCG16E

LOW VOLTAGE SWITCHGEAR DEPARTMENT

GENERAL  ELECTRIC

PHILADELPHIA, PA.

GEI-74660 Directional Overcurrent Relay

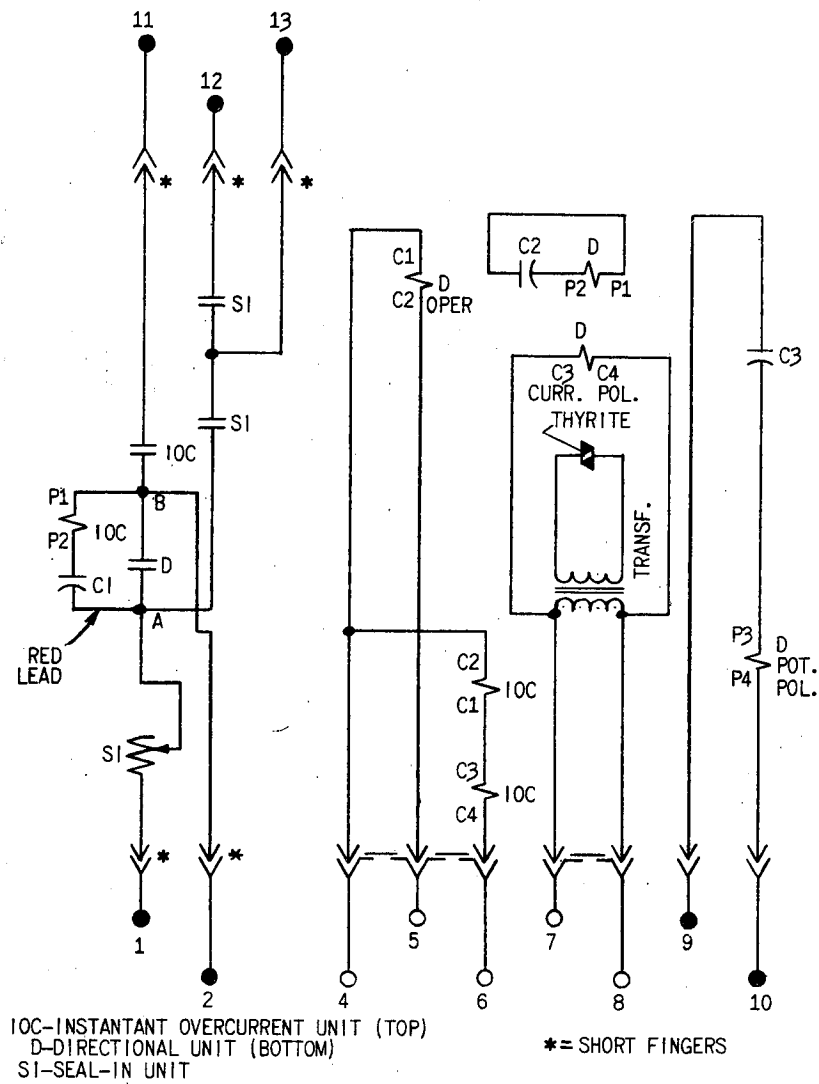


Fig. 1 Internal Connections of CJCG16E Relay (Front View)

Fig. 1 (0127A9471-2)

DIRECTIONAL OVERCURRENT RELAY

CJCG16E

These instructions are a supplement to instruction book, GEH-2044, which is included in this book. The combination of the two books form instructions for the CJCG16E relay.

This relay was designed primarily for use in the three basic transferred tripping schemes employed for high-speed protection of transmission lines.

The CJCG16E relay differs from the CJCG15E relay only in the arrangement of contacts on the seal-in unit and on the directional unit. Both seal-in unit contacts are connected to different relay terminals, and the directional unit contact is arranged so that it can be used independently.

The instantaneous overcurrent unit torque control circuit of the CJCG16E relay is provided with a movable red lead. This lead may be connected (as when shipped from the factory) to point A (see Fig. 1) so that the directional unit contact will control the torque of the instantaneous overcurrent unit. It may be connected to point B so that the instantaneous overcurrent unit can close its contact independently of the directional unit contact.

The internal connection diagram and the outline and panel drilling diagram of the CJCG16E relay are shown in Fig. 1 and 2 of this supplement.

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.

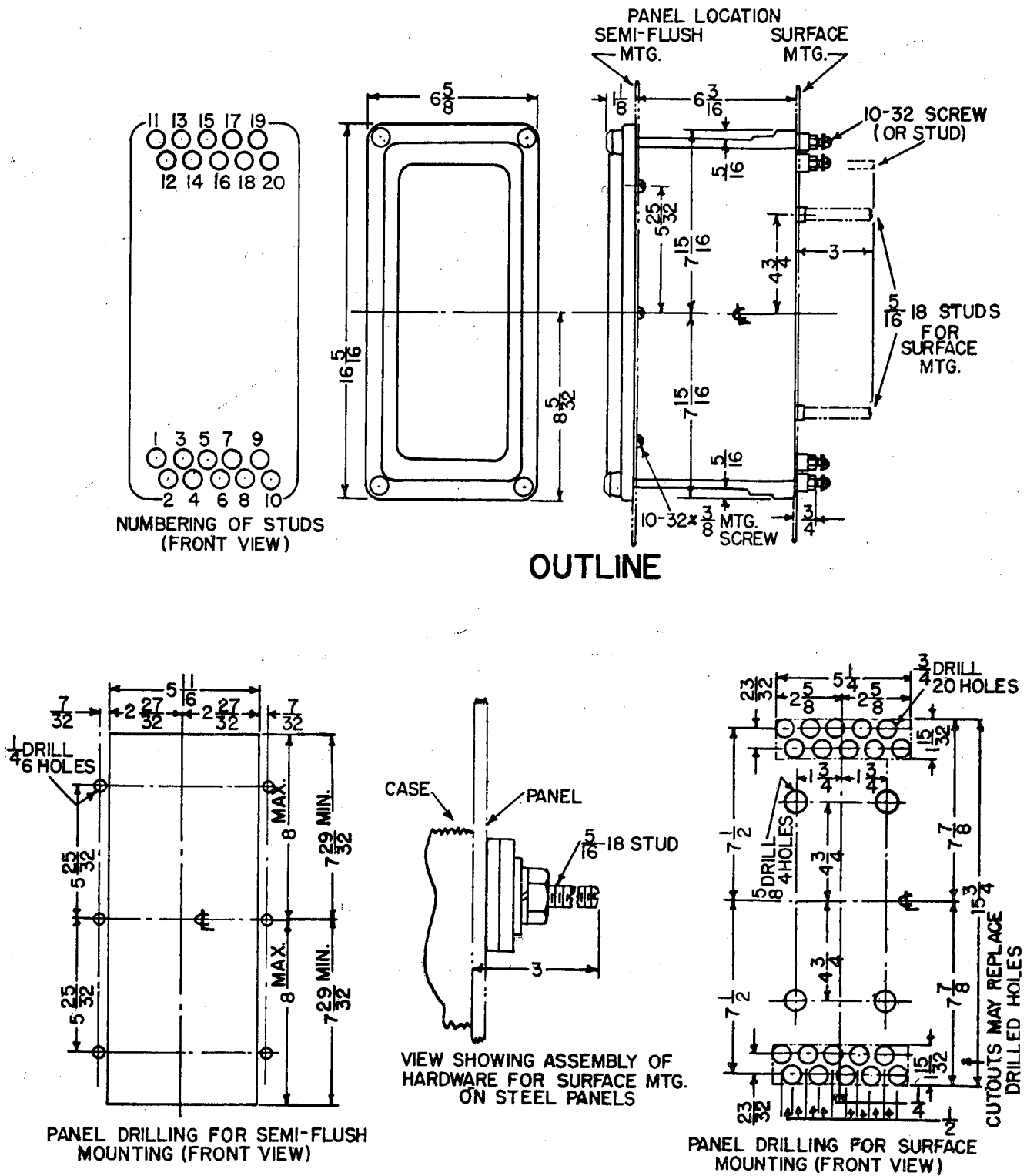


Fig. 2 (6209274-2)

Fig. 2 Outline and Panel Drilling Dimensions of CJCGI6E Relay