



POWER-BREAK® FIELD INSTALLABLE ACCESSORIES

GEH-4371

AUXILIARY SWITCH FOR 600-1600A FRAMES

Note: UL listing is voided when the circuit breaker is modified to add an accessory. Remove and discard the UL label.

WARNING: When installing accessories, the breaker must be completely de-energized and disconnected from the electrical circuit. This is mandatory since breaker must be "ON" during certain stages of installation and testing.

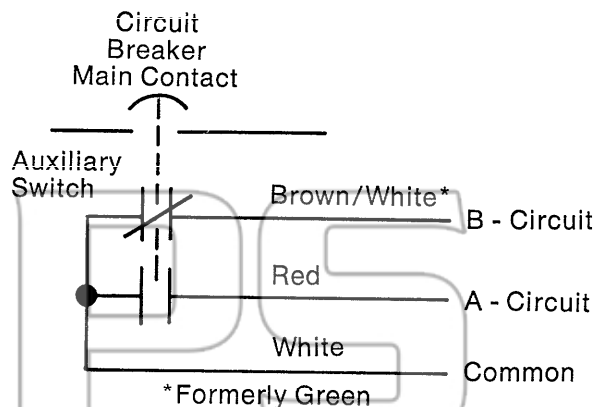


Fig. 2. Wiring diagram

DESCRIPTION

The auxiliary switch is used for remote indication of breaker main contact position — OPEN or CLOSED. No distinction is made between an open or tripped mode. A maximum of 12 switches can be installed per breaker. Each is a single-pole, double-throw (AB-type) and rated as shown in Table 1. Two switch positions must be devoted to each shunt trip accessory (if used) per breaker.

INSTALLATION

1. Disassemble the circuit breaker cover(s) and remove programmer (solid state breakers only) as described in instructions GEH-4393.
2. Remove arc chute from right pole for ease of access to interior (Fig. 3).

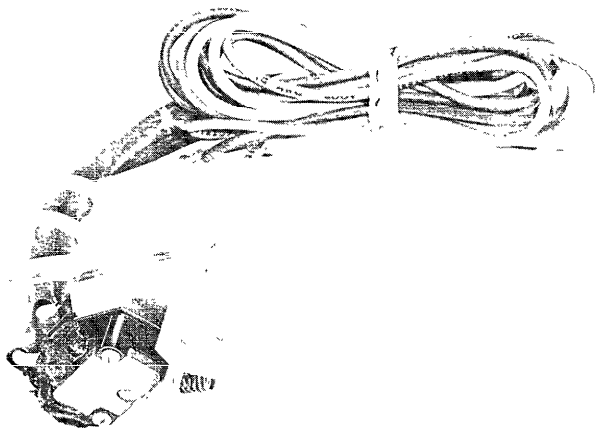


Fig. 1. Auxiliary switch

ELECTRICAL DATA

TABLE 1
AUXILIARY SWITCH KITS

| For 240 volts AC | For 600 volts AC | Number of Switch Elements | Maximum Ampere Rating Switch Elements |
|------------------|------------------|---------------------------|---|
| TPAS2AB * | TPAS6AB * | 1-12 | 6A at 240 or 600 volts AC 1/4A at 250 volts DC 1/2A at 125 volts DC |

*Suffix numbers 1 through 12 designate number of switch elements

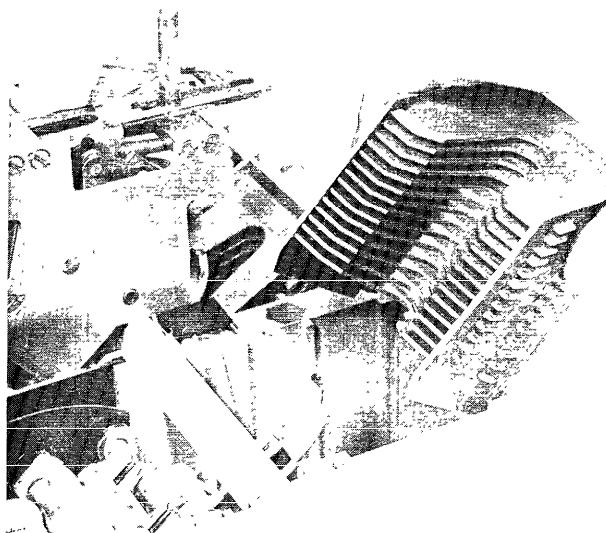


Fig. 3.

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.

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instructions

- Position the auxiliary switch assembly so that the tapped mounting holes on its bracket line up with the through holes in the arm stop (Fig. 4).

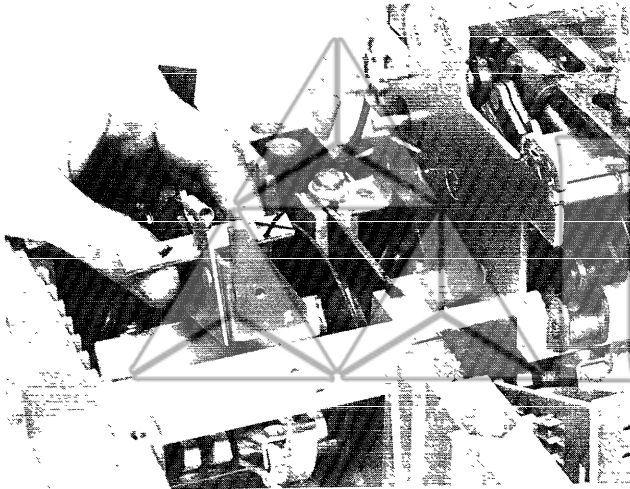


Fig. 4

- Secure auxiliary switch assembly to arm stop with two #8 x 1/16 screws and lock washers (Fig. 5). Tighten to 23 inch pounds.

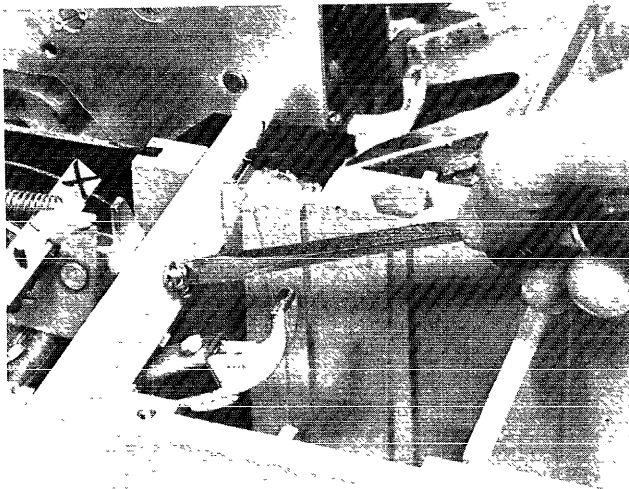


Fig. 5

- Remove knockouts as required in side of base. Each knockout will accommodate up to three bundles of wires (Fig. 6). Remove all sharp edges with a file.
- Clean all debris from inside of breaker.

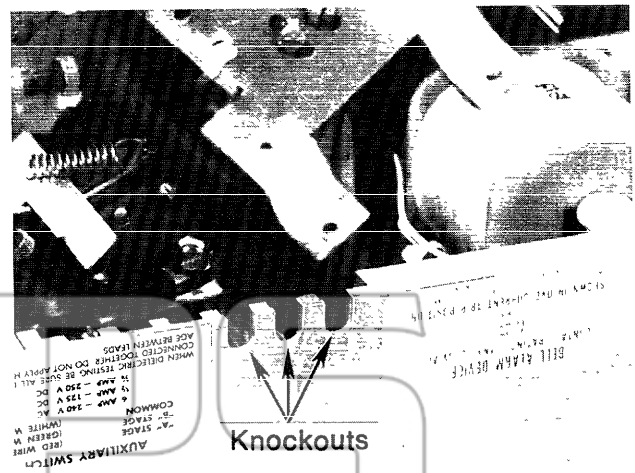


Fig. 6

- Use the wrap provided to secure leads as shown in Fig. 7.

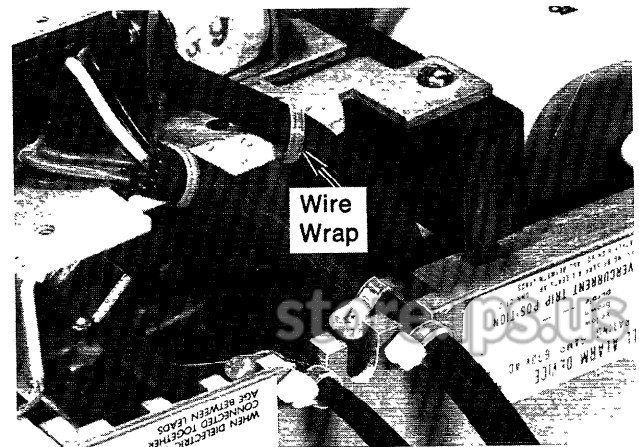


Fig. 7

- Replace arc chute (Fig. 3).
- Replace programmer (solid state breakers only) and reassemble the breaker as outlined in instructions GEH-4393.
- Functional Check
 - With the breaker open ("OFF") use an ohm meter to verify continuity between the white and brown/white (formerly green) leads. An open circuit should exist between the red and white leads.
 - With the circuit breaker closed ("ON") the auxiliary switch contacts should change sense.
- Apply the auxiliary switch descriptive label to the right side of the breaker near the lead exit area.