



Replacement of Pushbutton Reset Undervoltage Release and Solenoid

TYPE TE

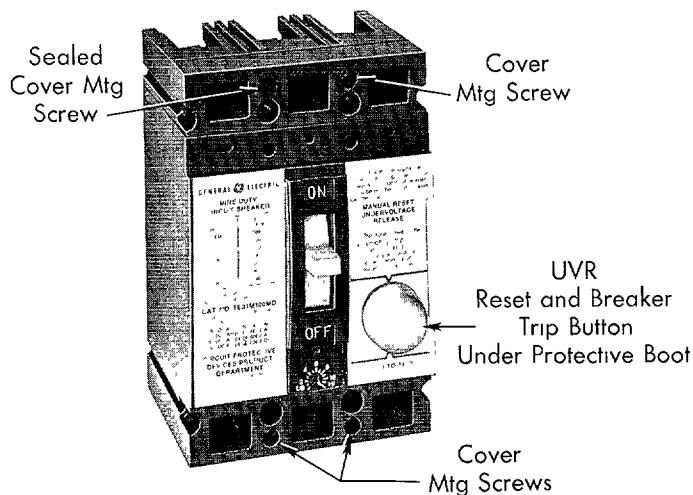
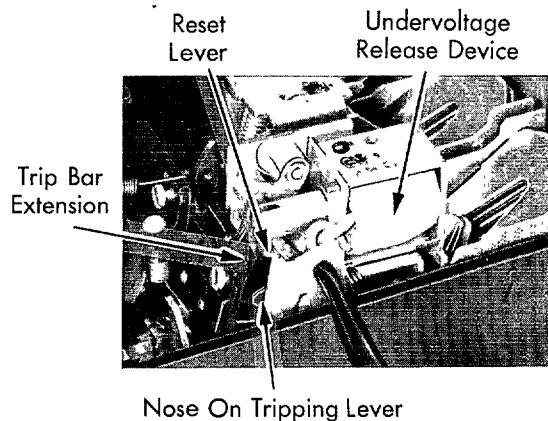


Figure 1

Figure 2
Solenoid not energized

DESCRIPTION

This accessory is designed to open or prevent turning on the circuit breaker when the coil voltage drops below a preset value. The external button is used to reset the undervoltage release solenoid after it has dropped out, but must be released before the breaker can be turned on. The button can also be used to open the breaker when the solenoid is energized.

FIELD REPLACEMENT

NOTE: Due to variations in solenoid characteristics, the drop out voltage of the replacement unit may be somewhat different from the original.

1. Trip breaker by pushing reset button.
2. Disconnect solenoid power source.
3. Dig out sealing material over sealed cover mounting screw.
4. Remove the four cover mounting screws.
5. Remove breaker cover and handle. **NOTE POSITION OF SOLENOID LEADS.**
6. Lift out UVR device and install replacement device, making sure nose on tripping lever, Figure 2, is above lower shelf of trip bar extension, and end of spring on reset lever passes through rectangular hole in upper shelf of trip bar extension.

7. Install breaker handle, making sure white line on handle is positioned toward **LOAD END** of breaker (towards tripping elements).
8. Position leads as they were in original assembly.
9. Replace breaker cover.
10. Replace cover mounting screws, being careful to pick up original threads in base, and tighten to 10 in. lb torque maximum.

FUNCTIONAL CHECKS

1. **With no power to solenoid**
 - It should not be possible to reset breaker handle.
2. **With power to solenoid**
 - Before depressing reset button, it should not be possible to reset breaker handle.
 - Depress and hold down reset button. It should not be possible to reset breaker handle.
 - Release reset button. It should now be possible to reset handle and turn breaker ON.
 - Depress reset button. Breaker handle should move to the "tripped" position.
 - Reset breaker handle and turn breaker ON. Remove solenoid power. Breaker handle should move to the "tripped" position.

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.