



For Type TED, THLC1, and TLB1 Circuit Breakers

Shunt Trip Device

CAUTION: Before inspecting or beginning any maintenance work on the breaker, it must be disconnected from all voltage sources, both power and control, and breaker must be off (open).

NOTE: Any work requiring cover removal of a sealed breaker voids UL Listing. The UL label must be destroyed.

DESCRIPTION

The device shown in Figure 1 is used for remote opening of the circuit breaker. The integral switch operated by the breaker contact arm opens the coil circuit when the breaker is open or tripped.

The standard device is supplied as shown in Figure 1, and leads must be positioned as shown in Figures 2, 3, 4, or 5 to prepare the device for mounting as desired.

These devices are suitable for use with ground fault equipment.

Pass lead A under lead B and insert into end of sleeve nearest slit. (See Figure 2.) Bring lead C around coil as shown in Figure 3, and insert into slit in sleeve, as shown in Figure 2. Position leads to match notch in breaker cover.

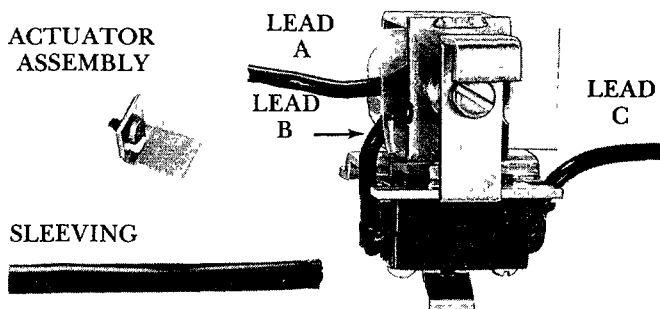


Figure 1.

FOR LEFT POLE MOUNTING
LEADS OUT THE SIDE

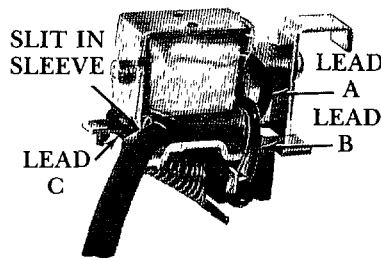


Figure 2.

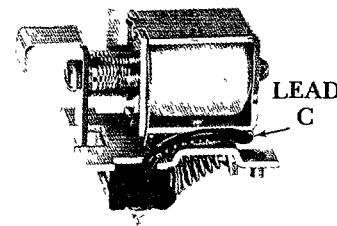


Figure 3.

Pass lead A under lead B as shown in Figure 4 and around coil. Insert lead A into slit in sleeve as shown in Figure 5. Insert lead C into end of sleeve nearest slit. Position leads to match notch in breaker cover.

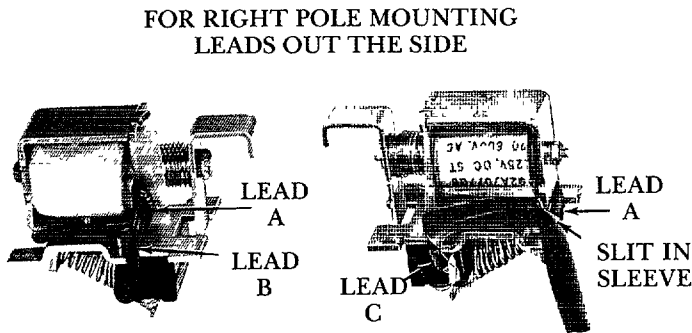


Figure 4.

Figure 5.

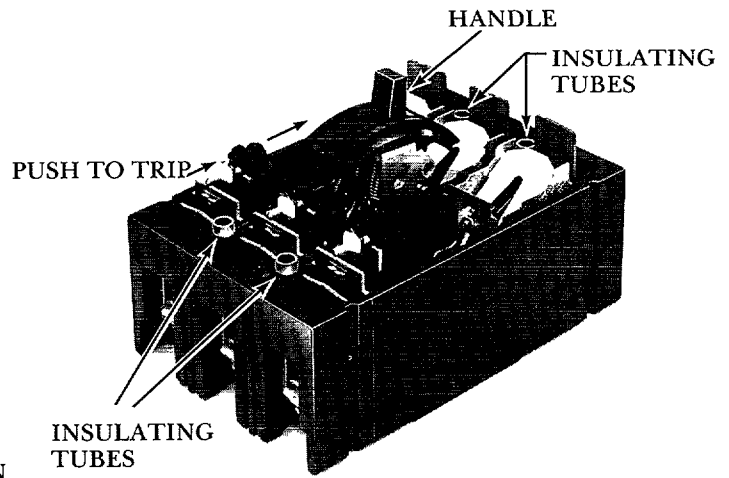


Figure 6.

MODIFYING COVER

Perform cover modification as shown in Figure 7. Remove all debris.

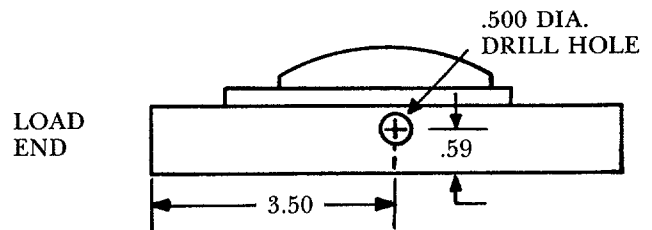


Figure 7. Side view of breaker cover

CAT. NO.	VOLTAGE RATING	MAX. INRUSH CURRENT
TEDST 12	120 VAC	1.0A
TEDST 12	240 VAC	1.9A
TEDST 13②	480 VAC	1.5A
TEDST 13	600 VAC	1.9A
TEDST 7①	12 VDC	7.5A
TEDST 8①	24 VDC	4.6A
TEDST 9①	48 VDC	2.4A
TEDST 12①	125 VDC	1.0A
TEDST 11①	250 VDC	0.4A

- ① Will operate at 75% of rated voltage.
- ② Will operate at 55% of rated voltage.

INSTALLATION

Open breaker contacts by moving handle to the breaker "OFF" position. Remove breaker cover by removing four cover mounting screws on the TED, eight for the THLC1 and TLB1 (one is sealed with tar.) Remove and save screws, insulating tubes and plastic handle as shown in Figure 6. (The type THLC7 and TLB7 circuit breakers do not have insulating tubes.)

INSTALLING ACTUATOR

Close circuit breaker and install actuator assembly in desired pole as shown in Figure 8. Trip breaker by pushing trip bar as shown in Figure 8.

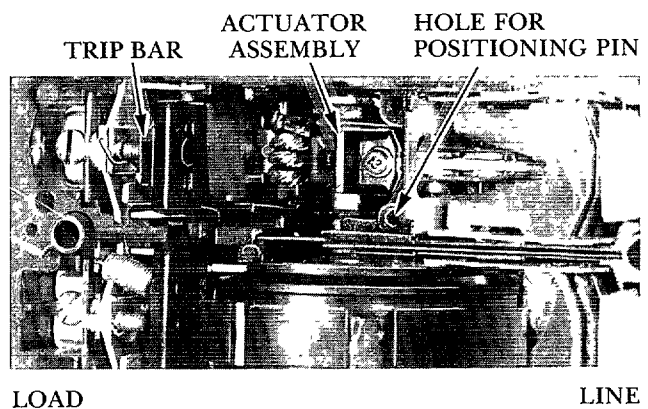


Figure 8.

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 GE Company.



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