


Siemens Energy & Automation, Inc.
Bellefontaine, OH 43311 U.S.A.

Installation Instructions



⚠ DANGER

Hazardous voltage.
Will cause death or serious injury.

Turn off and lock out all power supplying this device before removing cover(s) or device and while cover(s) are removed.

Replace all covers and shields before power supplying this device is turned on.



SAFETY INSTRUCTIONS

NOTE: This instruction outlines the recommended installation procedure.

To Add Trip Unit To Breaker Frame:

1. Breaker must be completely disconnected and removed from any electrical equipment before trip unit is installed.
2. Remove circuit breaker line shield (load end), cover screws (A & B) and access cover. **(Figure 1)**
3. Remove operating handle.
4. Lower trip unit assembly into base. Make sure trip unit latch pin **(Figure 2)** engages slots in mechanism frame.
5. Tighten trip unit attachment screws supplied with trip unit. There are 3 screws on 3 pole units. (Recommended torque - 140 in. lbs.).
6. **Caution:** The electronic trip unit has a magnetic latch, which is pre-wired to the trip unit and must be installed in the left hand accessory slot **(Figure 3)**.
Note: The magnetic latch reset lever must be positioned between the cross bar and the trip unit **(Figures 4 & 5)**.
Note: The magnetic latch must be firmly seated and the lead wires carefully dressed and taped into position.
7. Add the load connectors and fasten per instructions furnished with connector kits.
8. Apply rating label, supplied with trip unit, to recessed area on top of operating handle. **NOTE:** Make sure rating label agrees with amperage rating of trip unit installed. **(Figure 1)**.

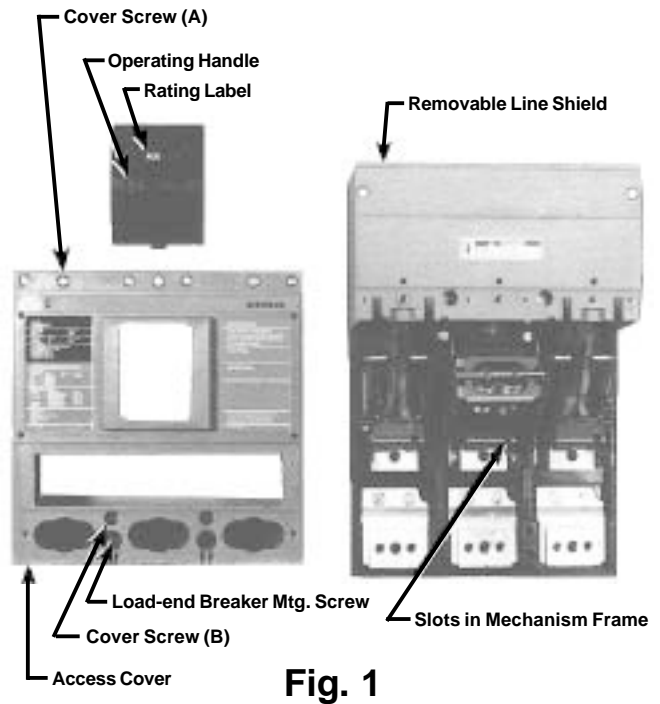


Fig. 1

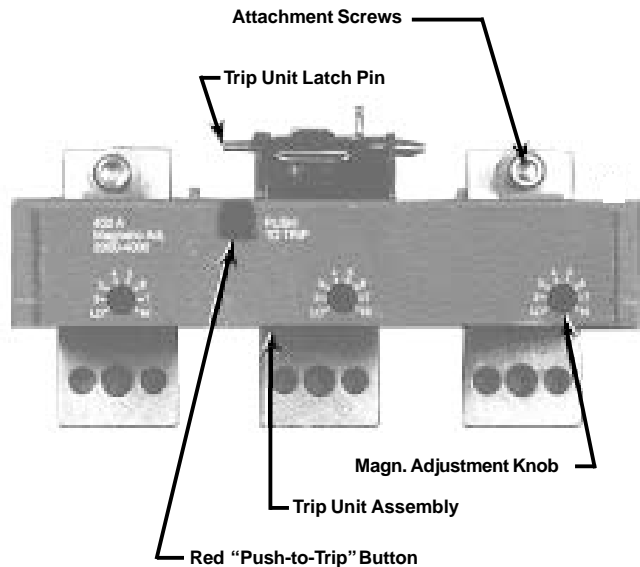
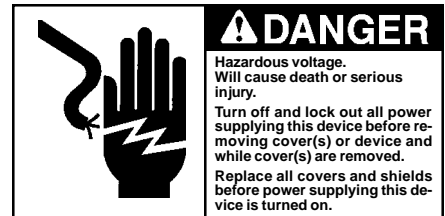


Fig. 2



Installation Instructions

9. Replace operating handle and shield. Operating handle must be installed with word "ON" toward trip unit. **NOTE:** Make sure operating handle is seated squarely on metal handle arm.
10. Replace access cover and cover attachment screws. (Recommended torque (A) 18-20 inch lbs. (B) 30-32 inch lbs.) **NOTE:** Line shields must be in place prior to putting device into service.
11. Move operating handle to extreme "OFF" position (reset). Circuit breaker is now ready for use.
12. Check operation of circuit breaker. Reset breaker by moving handle towards load side of device until it catches. Then move handle in opposite direction until the breaker turns on. The handle will indicate "ON", then depress the "Push-To-Trip" button. The breaker should trip, and the handle will move between the "ON" and "OFF" positions.

Magnetic Latch Installed

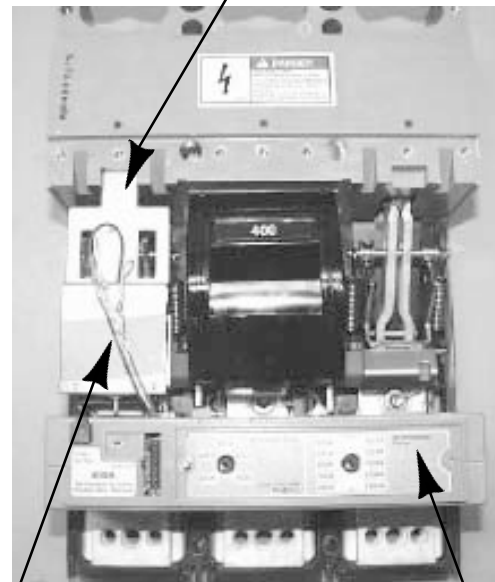


Fig. 3

Lead Wires
Dressed And Taped

Electronic
Trip Unit

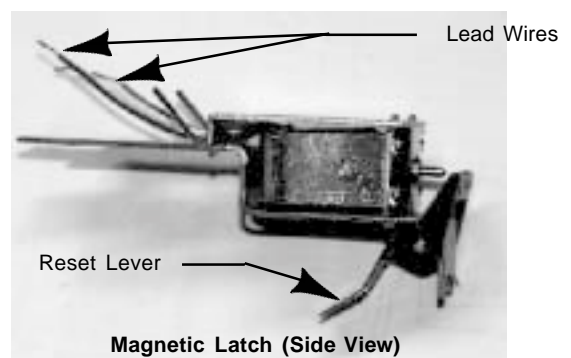
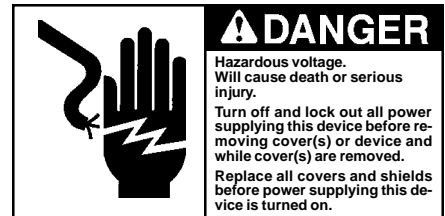


Fig. 4



Installation Instructions

To Replace Trip Unit In Breaker Frame:

1. Breaker must be completely disconnected and removed from any electrical equipment before trip unit is installed.
2. Circuit breaker must be in the "Tripped" position before removing access cover. To trip the breaker simply depress the red "Push-To-Trip" button.
(Figure 2)
3. Remove circuit breaker line shield (load end), cover screws (A & B) and access cover. **(Figure 1)**.
4. Remove operating handle.
5. Back-out all trip unit attachment screws.
NOTE: Attachment screws will remain captive to trip unit assembly.
6. Remove load-end cable connector mounting screws and connectors if applicable.
7. Lift trip unit assembly from circuit breaker.
8. Add new trip unit as outlined under steps 4 to 12 of "Add Trip Unit" instructions.

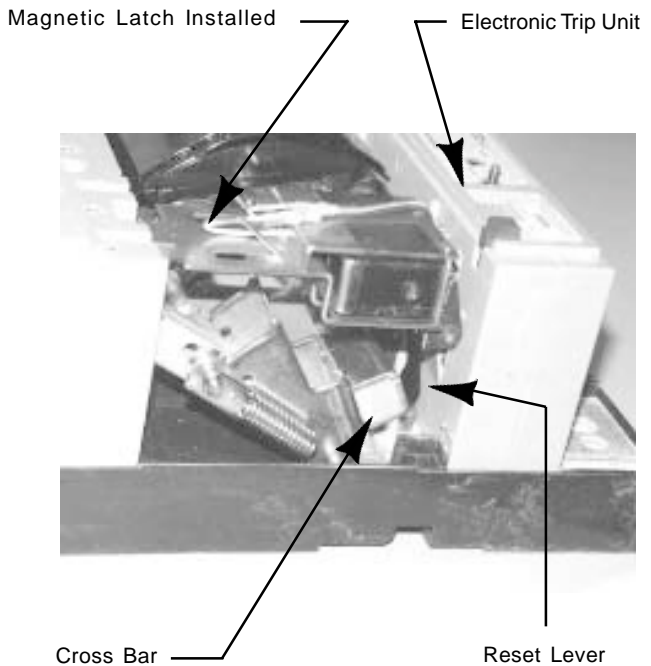


Fig. 5