

NOTES:

1. BLACK PRINTING ON WHITE BOND.
2. ALL SHEET DIMENSIONS ARE TO BE PER INSTRUCTION GUIDE LINE POC-012.

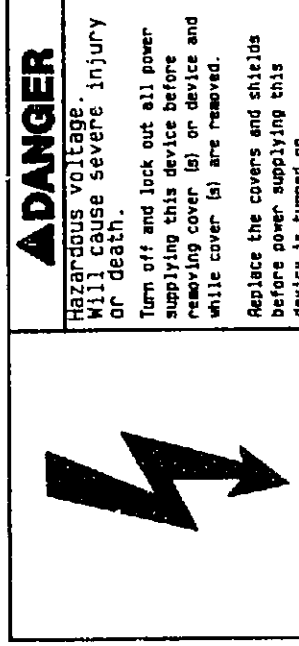
SIEMENS

Siemens Energy & Automation, Inc.
Balluffontaine, Ohio 43311 U.S.A.

Item: I-T-E Circuit Breaker Trip Unit
Types R06 & R05
For use with: I-T-E PD and RD Circuit
Breaker Frame Types P06,
R06, R05 and R05

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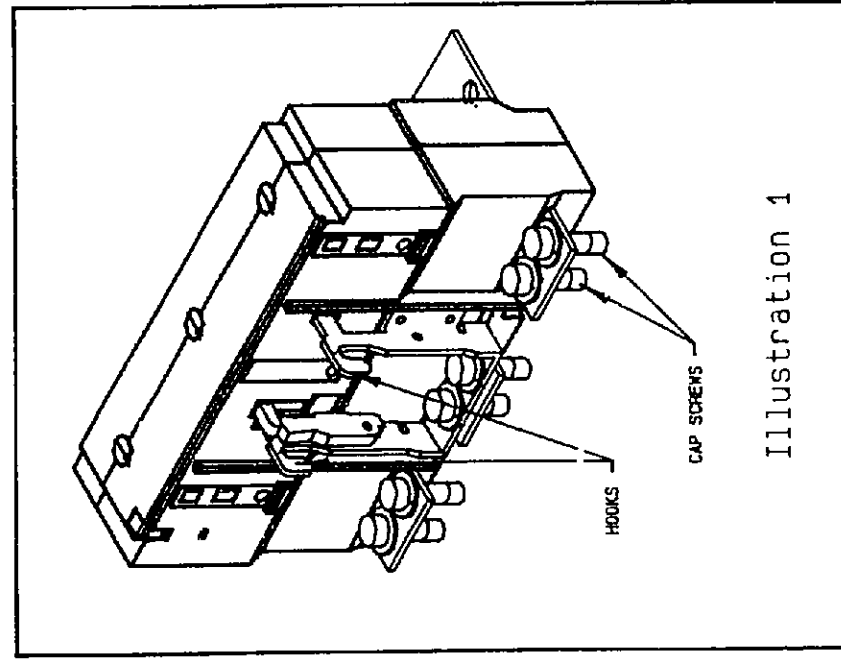
Installation Instructions



SAFETY INSTRUCTIONS

NOTE: This instruction outlines the recommended installation procedure.

INTRODUCTION



The R06 Trip Units are available in 1200, 1400, and 1600 ampere ratings. The R05 trip units

are available in 1600, 1800 and 2000 ampere ratings. These devices have adjustable magnetic trip settings. The 1200, 1400, 1600, 1800 and 2000 ampere trip units have a range from 5,000 to 10,000 amperes. Ranges for D.C. will be 15% higher. See breaker frame label or consult Siemens Energy and Automation, Inc. sales office for complete catalog number information.

NOTE: Type R05 trip units (1000, 1600 and 2000 ampere) cannot be installed in R06 and R05 frame types.

MOUNTING PROCEDURE FOR TRIP UNIT

1. Remove terminal shield from load side of breaker frame. Two 8-32 screws.
2. Remove load cover from breaker frame. Six 10-32 x 3/4" screws and two 10-32 x 1-3/8" screws.
3. Lower trip unit into place as shown in illustration 2. The two hooks on the trip unit must fit over pins on frame. Handle may be removed to ease assembly.
4. Secure trip unit to frame. Tighten six 5/16-18 socket head cap screws to 140 in-lbs.
5. Replace load cover. The six 10-32 x 3/4" screws must be installed toward the line side of the circuit breaker. The two 10-32 x 1-3/8" screws must be installed toward the load side. Tighten all load cover screws to 25 in-lbs. Replace handle if removed; note tab on front of handle must be towards line end.
6. 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 it catches. The breaker should be in the "On" position. The breaker should be in the "Push-to-Trip" position. The breaker should trip, and the handle will move between the "On" and "Off" positions.

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Installation Instructions

NOTE: If the breaker does not operate as needed, check all installation procedures and repeat this step. If the load cover is not properly secured the breaker will not operate.

7. Secure load end connection of breaker. NOTE: Heat sinks (supplied with frame) must be installed per instructions provided with the frame.

8. Install end plate (supplied with frame) and replace terminal shield. Tighten two 8-32 screws until cover sits flush with the end of the breaker.

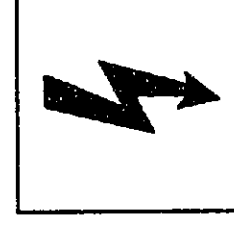
9. Attach rating label, supplied with the trip unit, to the recessed area on top of the breaker. NOTE: Handle rating label screws with ampere rating of trip unit installed.

10. Move handle to reset position, handle will indicate "OFF". Circuit breaker is now ready for use.

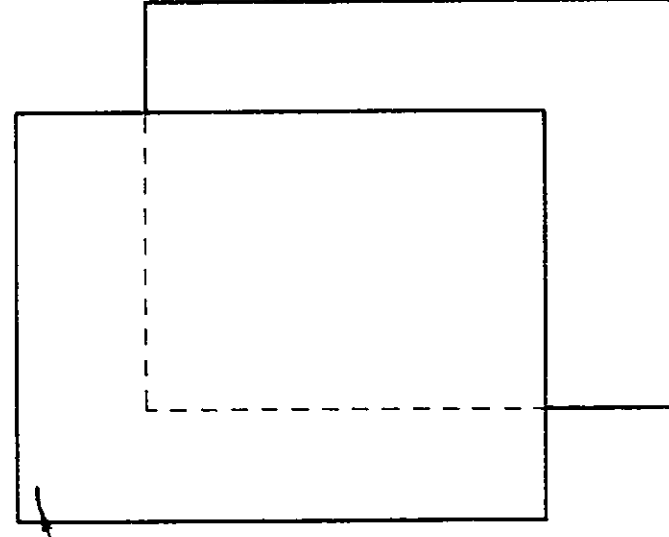
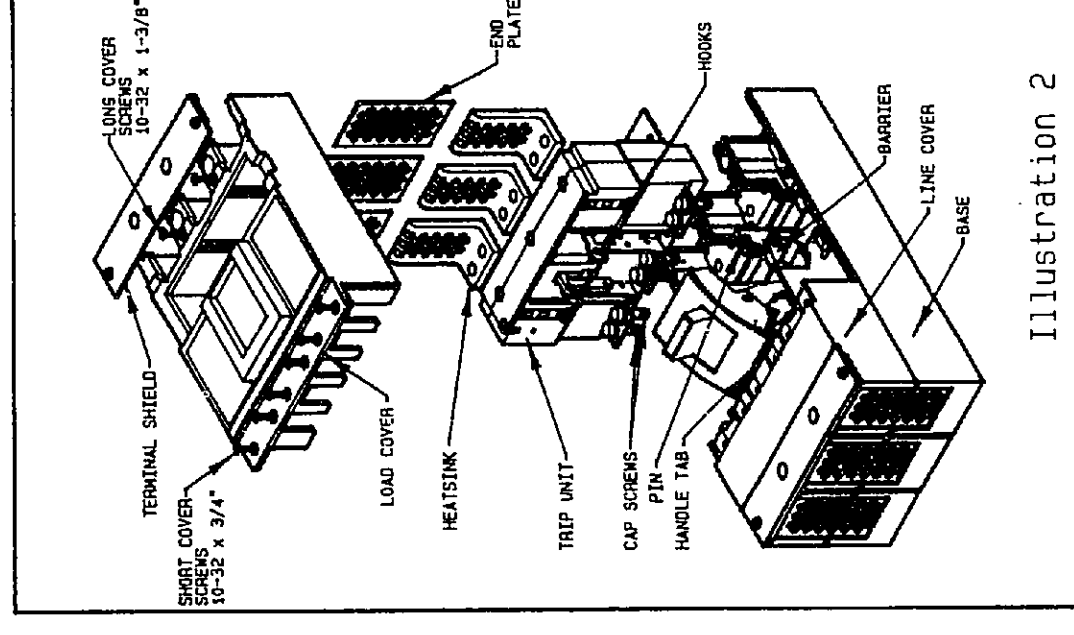
REPLACEMENT PROCEDURE FOR TRIP UNIT

NOTE: CIRCUIT BREAKER MUST BE IN TRIPPED POSITION BEFORE REMOVING COVER. TO TRIP THE BREAKER DEPRESS THE RED "PUSH-TO-TRIP" BUTTON.

1. Remove terminal shield from load side of breaker. Two 8-32 screws.
2. Remove load cover from breaker. Six 10-32 x 3/4" screws and two 10-32 x 1-3/8" screws.



3. Remove heat sinks and load side connection screws.
4. Remove trip unit. Six 5/16-18 socket head cap screws. NOTE: These screws will remain captive with trip unit.
5. Add new trip unit as outlined in steps 3 thru 10 of "Mounting Procedure for Trip Units".



LOOSE SHEET FORMAT
(STANDARD 8.50 x 11.00)

DWG NO.	REV	SHT	REV	THIRD ANGLE PROJ.
REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	
A	REG. REL. TO OHIO PROD.	TLS NOV12.91		

79247	60 LB. WHITE BOND PAPER
PART OR IDENTIFYING NO.	
MATERIAL/SPECIFICATION	
CONFIDENTIAL - PROPERTY OF SIEMENS ENERGY & AUTOMATION, INC.	
Siemens Energy & Automation, Inc. Circuit Protection Division	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES:	
.XX ± 0.10	
.XXX ± 0.015	
ANGULAR ±1°	
DO NOT SCALE DRAWING	
DATE	DATE
CHK	DATE
APVD	DATE
SIZE	SCALE
FSCM NO.	1/1
DWG NO.	C-79247
REV	
A	
SHEET	1 OF 1