


# SIEMENS


Item: Circuit Breaker Trip Unit Type FD6

For use with: Circuit Breaker Frames,  
Type FD6, FD6-A, and (H)(H)FD6.

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Pc. No. 81963A00

## Installation Instructions



 **DANGER**

Hazardous voltage.  
Will cause death or severe injury.  
Turn off and lock out all power  
supplying this device before removing  
cover or device and  
while cover is removed.  
Replace the cover before power  
supplying this device is turned on.

## SAFETY INSTRUCTIONS

NOTE: This instruction outlines the  
recommended installation procedure.

### INTRODUCTION

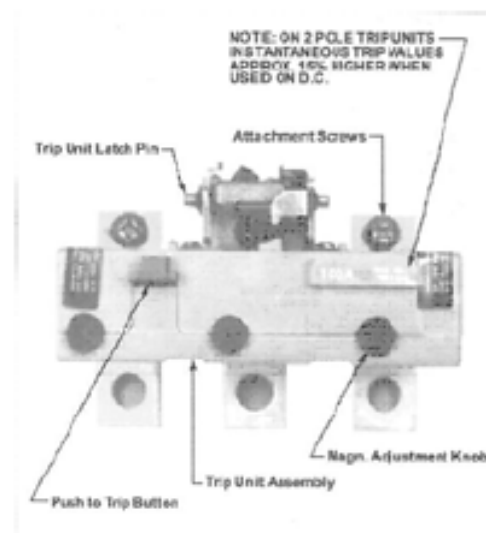


Illustration 1

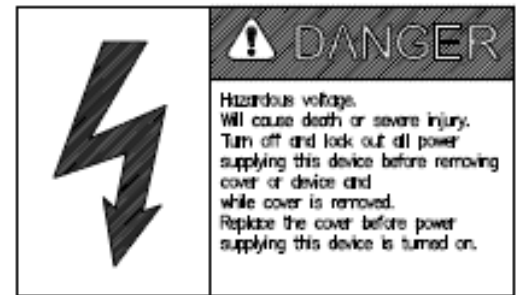
The FD trip units are available in 70, 80,  
90, 100, 110, 125, 150, 175, 200, 225 and 250 ampere rating.

Trip unit amperages	Magnetic Adjustment range amperes
70, 80 and 90	600 to 900
100 and 110	700 to 1200
125 and 150	800 to 1500
175 and 200	900 to 2000
225 and 250	1100 to 2500

FD6 Trip units, of any rating can be  
installed in the FD6, FD6-A, OR (H)(H)  
FD6 Frames. See breaker frame label  
or consult Siemens Energy and Automation  
Inc. Sales Office for complete catalog  
number information.

### MOUNTING PROCEDURE FOR TRIP UNIT

1. Remove load cover from breaker frame  
(three 6-32 X 3/8 screws and two 6-32  
X 1-1/4" screws)
2. Lower trip unit into place as shown in  
illustration. Trip unit latch pin must engage  
slots in mechanism frame. Handle may be  
removed to ease assembly.
3. Secure trip unit to frame. Tighten three  
1/4-20X5/8" fillister head same screws to  
72in. lbs.
4. Replace operating handle. Operating handle  
must be installed with word "ON" toward  
trip unit. NOTE: Make sure operating handle  
is seated squarely on metal handle arm  
and that spherical embossments engage  
holes on each side of operating handle.



## Installation Instructions

5. Replace load cover. The three 6-32 X 3/8" screws must be installed toward the line side of the circuit breaker. The two 6-32 X 1-1/4" screws must be installed toward the load end. Tighten all load cover screws to 8 in. lbs

6. Check operation of circuit breaker. Reset breaker by moving handle toward load side of device until it latches. Then move handle in opposite direction until the breaker turns on. The handle will indicate "ON". Depress the "PUSH TO TRIP" button. The breaker should trip and the handle should move to a position between "ON" and "OFF".

7. Add load lugs or connecting straps per instructions furnished with these kits.

8. Attach rating label, supplied with the trip unit, to the recessed area on the top of the handle.

NOTE: Make sure rating label agrees with ampere rating of trip unit installed.

9. Move handle to reset position, handle will indicate "OFF".  
Circuit breaker is now ready to 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 cover from breaker (three 6-32 X 3/8" screws and two 6-32 X 1-1/4" screws).

2. Remove lugs or load side connection screws.

3. Remove trip unit (three 1/4-20 X 5/8" fillister head semi screw).

4. Add new trip unit as outlined in steps 2 thru 9 of "MOUNTING PROCEDURE FOR TRIP UNIT".

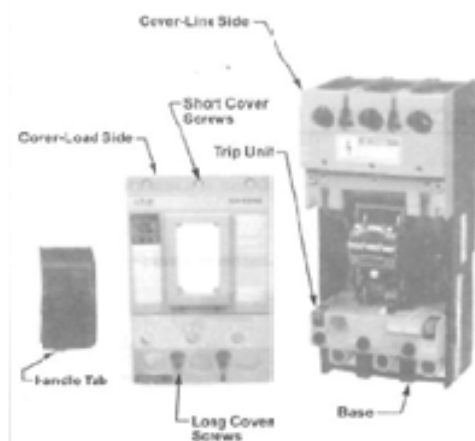


Illustration 2