



2547 Aerial Way SE  
Salem, Oregon USA 97302

## INSTALLATION INSTRUCTIONS FOR CURRENT TRANSFORMERS

### ***WARNING:***

### ***READ ALL DOCUMENTATION PRIOR TO SERVICE OR INSTALLATION***

- I.** THIS ENERGY MONITORING CURRENT TRANSFORMER IS INTENDED FOR FIELD INSTALLATION WITHIN DISTRIBUTION AND CONTROL EQUIPMENT TO MEASURE ELECTRICAL CURRENT.
- II.** TO REDUCE THE RISK OF ELECTRIC SHOCK, ALWAYS DISCONNECT CIRCUIT FROM POWER DISTRIBUTION SYSTEM BEFORE INSTALLING OR SERVICING CURRENT TRANSFORMERS.
- III.** DO NOT INSTALL IN AN AREA BLOCKING VENTILATION. DO NOT INSTALL IN AN AREA OF BREAKER ARC VENTING.
- IV.** NOT SUITABLE FOR CLASS 2 WIRING METHODS OR CONNECTIONS TO CLASS 2 EQUIPMENT (CLASS 2 WIRING IS 300V RATED OR LESS THAT IS USED ON SPEAKERS, DOOR BELLS, ETC).
- V.** DO NOT ALLOW CURRENT TRANSFORMER OR ROUTE CONDUCTORS TO COME IN DIRECT CONTACT WITH LIVE TERMINALS OR BUS THAT EXCEEDS 600VAC .

AMBIENT TEMPERATURE-40C TO +55C. ELEVATION MAXIMUM 2000 METERS.

#### METHOD OF INSTALLATION:

1. Locate and turn off power to distribution panel.
2. Remove screws, remove or tilt the removable leg of the CT.
3. Attach current transformer around conductor to be monitored without placing excessive strain or pressure on the transformer terminals, if provided, or do not run leads over sharp corners.

(The label indicates which direction the current transformer faces.)

4. Repeat for all current transformers to be installed.
5. Connect the current transformer wires to the correct terminal position on your instrument.

NOTE: The current transformer wires must be connected to the instrument input with the same phase designation as the current source it is monitoring

7. Apply power to panel then proceed with system setup/testing.

#### Name and address of manufacturer and technical assistant:

Sentran Corporation File No. E361441  
2547 Aerial Way SE  
Salem, Oregon USA 97302  
1-888-390-2621 503-370-7377

Technical: William Burwell or Bob Dodson  
[wcb@sentrancorp.com](mailto:wcb@sentrancorp.com) [bobd@sentrancorp.com](mailto:bobd@sentrancorp.com)