Installation of TED 5000

The following images are simply a visual for the steps taken for the installation of TED. This is *not* a substitute for reading the detail installation instructions in the Instruction Manual.

Before installation, read the Installation and Instruction Manuals and understand fully the Safety requirements.
Three components of TED 5000 mount in the electrical panel:

- MTU Power Cable
- CTs (Current Transformers)
- MTU (Measuring Transmitting Unit)
MTU Power Cable

White connects to Neutral Bus

Black Lead connects to a 15/20/30 amp breaker

Red lead is capped off as shown on next slide

Molex plug fits into MTU
Cap off Red Conductor on Power Cable as shown
Typical Combination Electrical Panel 200Amp
Turn OFF the Main Breaker
There is a **RED** Dot on one side of the CTs. Note them when installing CTs.
Note RED polarity dot facing power SOURCE

Danger - AVOID
Clip CT completely over conductor
Correctly connected CT – (it does not need to be snug on conductor)

Danger - AVOID

Danger - AVOID

Danger - AVOID
Connect 2\textsuperscript{nd} CT the same as the 1\textsuperscript{st}. NOTE that the RED polarity dots are both facing the source of power.
Correctly connected CTs

Danger - AVOID

© 2009-2012 Copyright Energy, Inc. All rights reserved
Connect the WHITE lead of the MTU Power Cable to any available position in the Neutral Bus.
It is best to connect the MTU black lead to the breaker that controls the circuit you will have the Gateway plugged into. Any 15/20/30 amp breaker is OK.
Turn the breaker OFF on the circuit as a precaution
Connect the BLACK lead from the MTU Power Cable to the selected circuit breaker
**EXTREMELY IMPORTANT:** Write down the Serial Number indicated below. You will need this number later to set up the communication to the Gateway.
Note the ‘guides’ on the end of the CT connector. They fit snugly in the slot of the MTU.
The CT connector will fit snugly into the MTU – note the 4 grooves in the top of the CT connector (the 2 “guides” are on the bottom side)
The last connection is the Power Cable base. There is only 1 way it can be connected. Line up the connector and snap it in to the MTU.
After all the connections are made and the MTU Power Cable is connected to the MTU, turn on the Main Breaker and branch circuit breakers. The green LED on the MTU should light up at this point.

For troubleshooting purposes, you may want to leave the panel cover off until you connect the Gateway to be sure the system is operating properly.

If you have any installation questions, please call our toll-free Support Line: 1(800) 959-5833