

**The Meter Reader,**  
**Model EM - 2500 Plug-In Connectors**  
**120 / 240 Volt - Electric Panel Installation**

- 1) Remove cover from electrical panel and locate main feed wires.  
**WARNING!! The Electrical Panel has Lethal Voltages. These connections should be performed by a Licensed Electrician or other qualified person!!**
  
- 2) **Opening Style Current Transformers:** (**NOTE:** These CT's have one side that is removable. Pull apart to remove this side. Insert in same manner as removed.)  
**Open and place one current transformer (CT) around each main feed wires, see Diagram X above. The side that reads "This side towards source" should face the direction that power comes from, in other words towards the utility meter.**
  
- 3) **To Measure Appliances:** Install current transformer (CT) around wires for circuit or appliance to be measured. Use 1 CT for 120 V circuit & 2 CT's for 240 V circuits.

Connections Using Plug-In Connectors on Top of EM-2500:

- 4) Connect the plug from the 12 Volt Power Adaptor to the Top of the EM-2500.
- 5) Connect the plug from one Current Transformer to the top of the EM-2500.
- 6) Connect the plug from one Current Transformer to the top of the EM-2500.
- 7) Plug -in the AC adaptor into a 120 Volt outlet.

**Mounting of EM-2500:**

Your electrician will determine the best method of installing The Meter Reader for your specific configuration. Or as an alternative, below you will find some suggested installation configurations.

**Flush Mounted Panel:** Open one knock-out in panel and install 2" x 4" junction box in drywall. Run wires thru junction box. EM-2500 has 2 holes that line up with those of a 2" x 4" junction box.

**Surface Mounted Panel:** Open one knock-out in side of panel and install shallow 2" x 4" junction box on drywall, using an off-set nipple. Run wires thru junction box. EM-2500 has 2 holes that line up with those of a 2" x 4" junction box.

## **Connection of wall mounted AC adaptor.**

**The wall mounted AC adaptor plugs into a standard 120 Volt outlet. If you do not have a 120 Volt outlet nearby, then one may need to be installed or an extension cord may be added to plug in the EM-2500.**

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