



## "Exhibit C"

### CT METERING FOR CHECKING ELECTRIC USAGE OF HEAT PUMPS

Direct or CT metering is a requirement to be able to receive a rebate on a Ground Water Source Heat Pump or Air to Air Heat Pump. T.I.P. will provide the junction box, CT, meter base and meter - if needed.

#### For interior of house:

This could be rigid, PVC conduit, Greenfield or Metal

#### Exterior of house:

- This must be 1/2 - 3/4 inch conduit. We recommend rigid metal conduit, however a minimum of Schedule 40 plastic is acceptable. (we recommend 3/4 " conduit)
- Use one 8 ft. ground rod and #8 copper.
- Use #12 wire for meter base.

Meter height is 5 1/2 feet.

Meter can be placed anywhere on exterior of the house as long as we can access it.

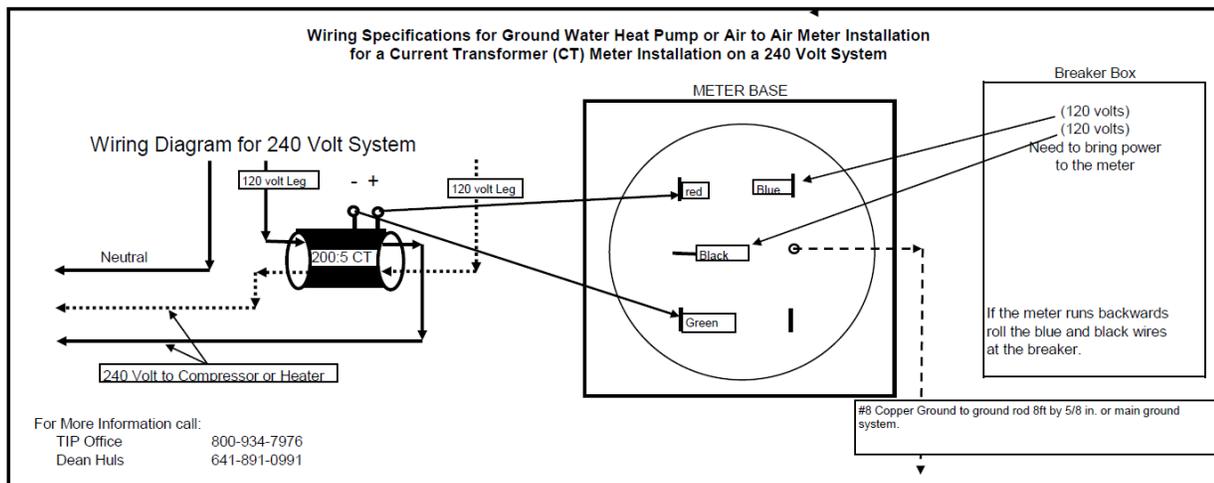
Use the Coop's 200:5 CT's for the metering which needs to be installed in the junction box that T.I.P. provides, but electrician installs.

Normal 5 terminal 100 amp base (Use color coded wires)

- Blue and Black are voltage wires
- Red and Green are CT wires

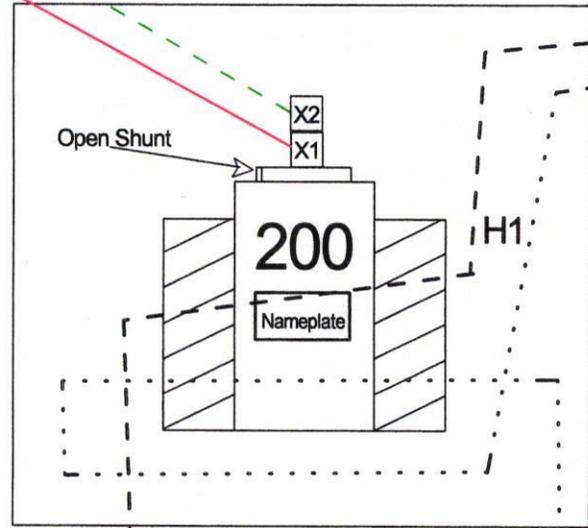
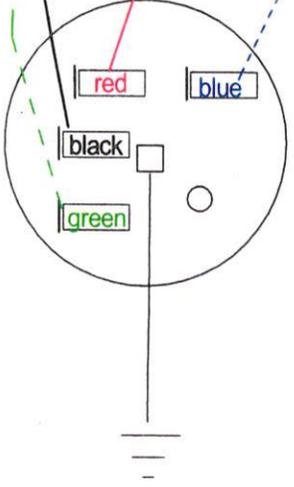
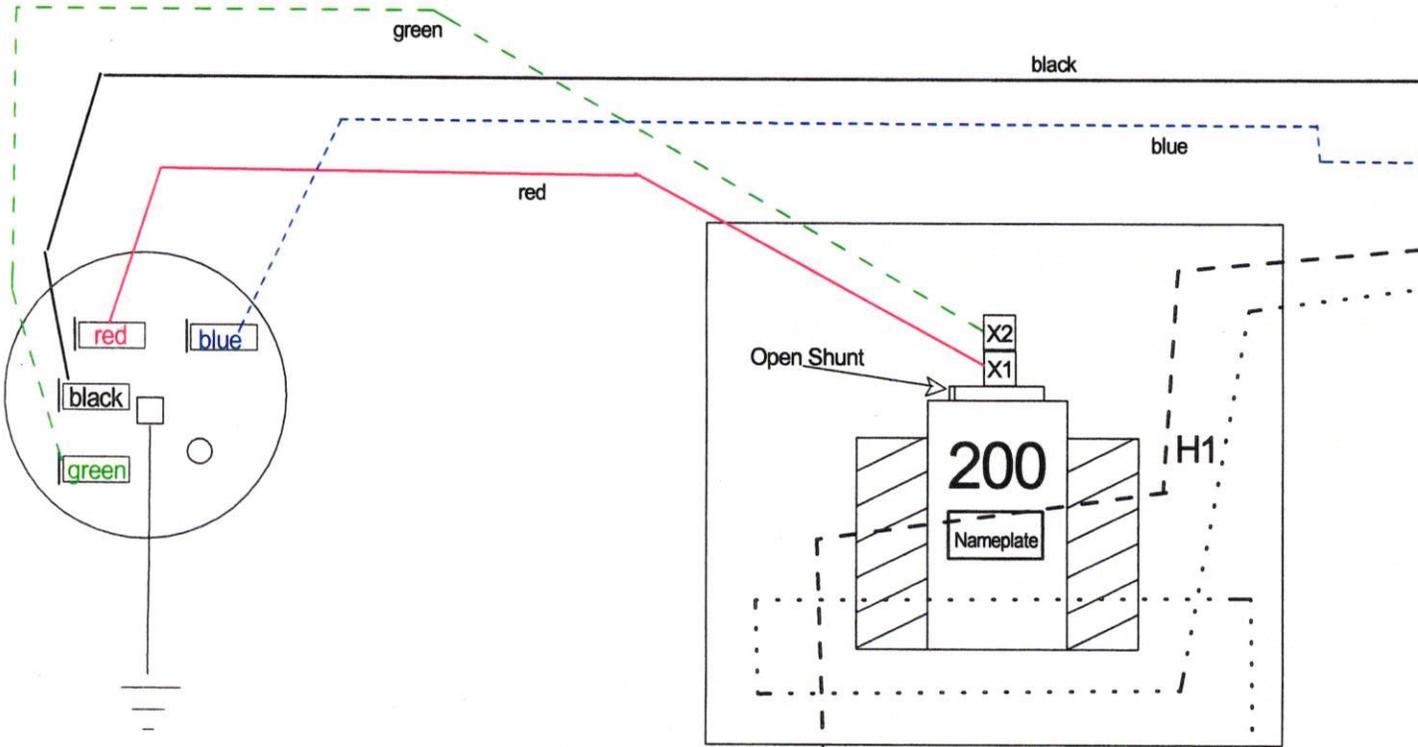
#### Instructions:

- The red wire goes to the positive side of CT which is marked with a white mark or white square with X-1 printed inside the box.
- The green wire goes to opposite terminal and the ground strap must be open so the kWh's record properly.
- All wires that pass through the CT in the same direction must be the same 120 volts to register correctly.
- On a 240 volt system - each leg of 120 volts go through the CT from different sides.



# Single Phase, Three Wire, CT

- Blue
- Black
- ..... B
- Green
- A
- Red



A	A
B	B
A	A
B	B

All A phase wires from breaker in the same side of CT.

All B phase wires from breaker in the opposite side of CT.

TO LOAD

**A**                      **B**