

# CT INSTALLATION 1

## Equipment Required for Installation (Not Supplied)

Equipment Required	CT
Philips Screwdriver	Yes – Pozi # 2

### Step 1:

Ensure the main power supply (distribution board) is isolated and no power measured.

### Step 2:

Connect the procured CTs (Figure 1) to NanoHub slots 2 through 16 (Figure 2), which covers the channels: Plugs, Lights, Stove, Geyser, Pump and Out Building.

Remove the “Load” side cable of the circuit to be measured from the circuit breaker and feed it through the CT’s inner hole. The “Load” cable is to be re-fitted to the original circuit breaker. Repeat this step until all CTs are fitted to the NanoHub and respective circuit breakers.

## 2

Record the fitted CTs and corresponding circuits on Table 1 for later use when programming the Control unit. The main power supply may now be switched on again.

### Step 3:

The controller will power up after approximately 5 sec, at this stage you may be required to re-set the time, date, month and year.

The time, date, month and year can now be set by using the function keys. The flashing segments can be changed by pressing **Up / Down**  $\Delta / \nabla$ .

Once the desired setting is achieved, you can select the next field by pressing **Left / Right**  $\triangleleft / \triangleright$ .

When all fields are set, press **OK** and the controller will now indicate a flashing message “Date and Time Updated”, then press **OK** to complete this action.

# CT PROGRAMMING 3

## Programming Instruction

### Step 1:

To enter the configuration menu, press **BACK** and **HOME** together and hold, then press **OK** simultaneously for 1 second and release. The controller should now indicate the setup icon and “Config Menu Selected”. If this does not appear, repeat this step.

### Step 2:

Press **Right**  $\triangleright$  continuously until the controller reads “Assign Power Channel”. Press **OK** and the message changes to “Select Channel” and “CH” will flash.

The desired channel (as recorded in Table 1) can be selected by pressing **Left / Right**  $\triangleleft / \triangleright$ .

## 4

Once the correct channel is selected, press **OK** and select the corresponding measurement circuit as per your setup in Table 1.

The flashing measurement circuit can be selected by pressing **Left / Right**  $\triangleleft / \triangleright$ . Once the correct circuit is selected, press **OK**.

Repeat this step until all your CTs and measurement circuits are assigned.

When completed, press **HOME** and your unit is now ready for use.

**Standard electronic products warranty:** 12 months  
Please review the CBI General Terms and Conditions of sale on [www.cbi-lowvoltage.com](http://www.cbi-lowvoltage.com).

**Thank you for your purchase!**

# NANOVIEW CURRENT TRANSFORMERS CTBP001



[www.nanoview.co.za](http://www.nanoview.co.za)

6 009522959395 CTBP001  
DISTRIBUTED BY CIRCUIT BREAKER INDUSTRIES (PTY) LTD.  
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Customer Service: 0860 BREAKR  
Please recycle  
DANGER  
HIGH VOLTAGE  
Injury or death. Electricity is dangerous.  
Never connect with energized wires and bars, and keep away from them.  
Contact will cause electric shock.  
Recommended that all electrical components be installed by a qualified electrician. Contact the Electrical Contractors Association (ECA) on 011 392 0000 or visit [www.ecca.co.za](http://www.ecca.co.za) to find a registered electrician near you.

**CONTENTS**

- 2 X 60 A Class 1 Current Transformers
- 1 X Installation Guide

**REQUIRED INSTALLATION EQUIPMENT (not supplied)**

- 1 X Phillips Screwdriver (Pozi #2)

Realtime and accumulated consumption of user defined electrical circuits - can be expanded to maximum of 15 electrical circuits displayed in either Watts (W), Kilowatts (kW), Rand and Cents (R / c)  
User selectable names to identify circuits: Total (electricity and water), plugs (1 - 4), lights (1 - 4), geyser (1 - 4), stove (1 - 4), outbuilding (1 - 4), dump (1 - 4)  
• SANS 60950  
• ICSA type approved

For use in conjunction with the CBI NanoView (NVFP001) \*  
\* Sold separately

# CURRENT TRANSFORMER (CT) ASSIGN CHART - TABLE 1

NanoHub		Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13	Slot 14	Slot 15	Slot 16
CT		CT 1	CT 2	CT 3	CT 4	CT 5	CT 6	CT 7	CT 8	CT 9	CT 10	CT 11	CT 12	CT 13	CT 14	CT 15	CT 16
Total	1	X															
	1																
Geyser	1																
	2																
	3																
	4																
Stove	1																
	2																
	3																
	4																
Plugs	1																
	2																
	3																
	4																
Lights	1																
	2																
	3																
	4																
Pump	1																
	2																
	3																
	4																
Out Building	1																
	2																
	3																
	4																

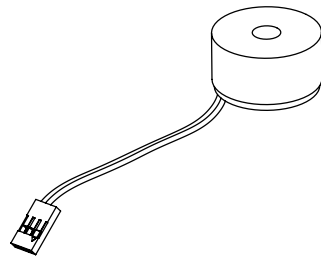


Figure 1: Current Transformer (CT)

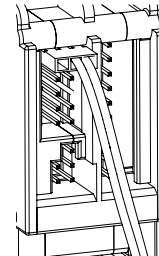


Figure 2: NanoHub and fitted CT for Total Consumption