**NANOVIEW INSTALLATION INSTRUCTION**

**Step 1:**
Ensure all the main components are unpacked (1) Display, 5 C.T.s, 1 Communication cable 1 x 3pin Din D-connector, 1 NanoHub, 1 4 in x 57 mm Bentonite adapter (Additional CTs and NanoHub – “NANOVIEW” – 4 purchased).

**Step 2:**
Ensure the main power supply (distribution board) is isolated (off) and no power measured.

**Step 3:**
Connect 1 x CT to NanoHub slot 1 and route the “Load” side of the three monitoring circuits breaker (screwed through cable gland) to the NanoView packaging. This CT is for total consumption measurement. See Figure 1 and Figure 2 in Table 1 – this illustrates the CT connection to the NanoView.

**Step 4:**
Repeat step 3 for the remaining CTs which covers the measurement of the remaining circuits (Phase, Lights, Etc.). Route the wires from the main building to the nanoview Packaging. Fix the Main building and NanoView packaging cords must be present without crimping of the cables.

**Step 5:**
Fit the NanoHub to the distribution board – fix both dual nuts (stainless steel) and secure 2 (4) NanoHub screws (must be connected to the NanoHub p/numbered using 1 mm² cable).

**Step 6:**
Drill the 2.6 in holes as per the drilling footprint market on the Nanoview/ water packaging. Fit the supplied 2 x plug and screw in the supplied screws. It is important to note that the controller mounting screws must not protrude more than 2 mm from the wall surface to avoid water damage. Ensure that the controller is fitted flush to the wall.

**Step 7:**
Connect the communication cable connector (not only to one-way) to the back of the unit as per Figure 3 in Table 1.

**Step 8:**
Install the NanoWater at your water meter until setup is complete as detailed below.

**Step 9:**
Insert the 2 x AA batteries until requested to do so in the setup.

**Step 10:**
Check the mains supply falls outside the set limit of minimum 265 V and maximum 295 V.

**Step 11:**
Check the nanoView main setting “Water Sensitivity” is set to “Sensor – Normally Open”.

**Step 12:**
The NanoView main setting “Water Limit” is set to “Over Voltage”.

**Step 13:**
The displayed consumption counter will set your water consumption limit in kL and can be set to Off by repeatedly selecting (Down / Right)

**NANOVIEW PROGRAMMING**

Step 1:
Select menu with pressing (Up / Down) . Once the desired setting is achieved you can select the next field by pressing (Left / Right). 

Step 2:
Select next setup menu by pressing (Up / Down) and then Right . Once the desired setting is achieved you can select the next field by pressing (Left / Right) .

Step 3:
When all fields are set, press and the controller will now display the flashing message “Date and Time Updated”

**Settings Menu**

Step 3:
To enter the programme settings menu press (Up / Down) and together for 1 second and release. The controller will now indicate the setup size and “Scroll to Settings” if this does not appear, repeat this step.

Step 4:
Print Right once you should now see the following message on the controller “Set Date and Time” to enter the setup menu, press

You can now work out date and time up to setup step 4 if current time press to continue with step 5. If it does not proceed with the current month, press and release on time. You can now be set to the using the function keys.

Step 5:
The flashing field can be changed by pressing Up / Down. The field will read “Water Limit” and the controller will flash in the top right hand corner of the controller. The limit can be set by pressing (Left / Right) .

Step 6:
Select next setup menu by pressing and then Right . Until the following message appears on the controller “NanoWater Limit” and the controller will display the flashing message “Select Water Channel” and then press the controller and the controller will now display the flashing message “Water Limit” and the controller will flash in the top right hand corner of the controller.

**Note:**
For the purpose of this programming instruction, the press Left, Right, Up and Down function keys as the scroll function may also be used to achieve the same result.

**Main**

- Display
- NanoHub
- Sensor
- NanoView
- 2 x AA Batteries

**Accessory**

- Water Meter
- NanoView Packaging
- NanoHub
- NanoView Install Kit
- CTs
- CTs
- NanoView No No No

**Step 1:**
Select menu with pressing and then Right . Once the desired setting is achieved, you can select the next field by pressing (Left / Right) .

**Step 2:**
Select next setup menu by pressing and then Right . Once the desired setting is achieved you can select the next field by pressing (Left / Right) .

**Step 3:**
The displayed consumption counter will set your water consumption limit in kL and can be set to Off by repeatedly selecting (Down / Right)

**Note:**
In daily operation, you may observe the following LED warnings with respective on screen message pertaining to the set limits.

- Red LED flashing with message “Water Limit Exceed” and respective controller display in red of the LED the controller has reached 90% of the maximum water usage value.

- Red LED permanently on with message “Water Limit Exceed” and flashing of the controller by pressing (Down / Right) then press (Left / Right). You have reached 100% of the maximum water consumption limit in kL.

**Auxiliary Menu**

- Press (Left / Right) and the controller will now display “Pair Water Meter”.

- Press (Left / Right) and the message changes to “Set Sensitivity – Normally Open”.

**Note:**
When in daily operation and a NanoHub is installed, you may observe the following LED warnings and error messages (leak detected) pertaining to the set limits:

- **Set sensitivity = Normally Open**, and respective controller display in red of the LED the controller has reached 90% of the maximum water usage value.

- **Set sensitivity = Normally Closed**, and respective controller display in red of the LED the controller has reached 90% of the maximum water usage value.

**Step 9:**
Select next setup menu by pressing and then Right . Until the following message appears on the controller “Assign Power Channel” and the controller will display the flashing message “Select Power Channel” and the controller will flash in the top right hand corner of the controller.

**Note:**
For the purpose of this programming instruction, the press Left, Right, Up and Down function keys as the scroll function may also be used to achieve the same result.

**Main**

- Display
- NanoHub
- Sensor
- NanoView
- 2 x AA Batteries

**Accessory**

- Water Meter
- NanoView Packaging
- NanoHub
- NanoView Install Kit
- CTs
- CTs
- NanoView No No No

**Step 1:**
Select menu with pressing and then Right . Once the desired setting is achieved you can select the next field by pressing (Left / Right) .

**Step 2:**
Select next setup menu by pressing and then Right . Until the following message appears on the controller “Assign Water Channel” and the controller will display the flashing message “Select Water Channel” and the controller will flash in the top right hand corner of the controller.

**Note:**
For the purpose of this programming instruction, the press Left, Right, Up and Down function keys as the scroll function may also be used to achieve the same result.

**Main**

- Display
- NanoHub
- Sensor
- NanoView
- 2 x AA Batteries

**Accessory**

- Water Meter
- NanoView Packaging
- NanoHub
- NanoView Install Kit
- CTs
- CTs
- NanoView No No No
and the controller should now display the TOTAL consumption for your installation in real-time – see Row 3, NOW.

Step 6:

Once the desired selection is made, press \( \text{(OK)} \).

By pressing \( \text{(OK)} \) again, you will return to the main menu. Press \( \text{(OK)} \) to display the consumption in \( \text{kWh} \) per time period.

Detailed instructions are available on the CBI-electric low voltage website (www.cbi-lowvoltage.com) or visit the QR code on the Nanohub.

Cleaning Instructions

Clear with a damp soft cloth, water only.

Warranty

All products sold are subject to the Circuit Breaker Industries General Terms and Conditions of sale. CBI (Pty) Ltd warrants that the product will be free from defects in materials and workmanship for a period of 12 months from the production date. If the product proves defective during this warranty period, CBI (Pty) Ltd is to replace it with a new product, at no cost to the Buyer, or at CBI (Pty) Ltd’s discretion, a refund of the purchase price will be issued to the Buyer. The Buyer must notify CBI (Pty) Ltd of the defect before the expiration of the warranty period to obtain service under this warranty.

Standard electronic products warranty: 12 months

Exclusions

All products returned to Circuit Breaker Industries under warranty claim will be subject to a failure investigation to determine the validity of the communicated failure. The following conditions are not considered as a product failure and as such will not qualify as a warranty claim:

- Any unaltered product modification
- Any incorrect product application
- Any repair with the product seal or date stamp missing
- Any damage resulting from lightning, water or dust (environmental destruction and quality of supply)
- Any failure caused as a result of V2 PAKAZ

Please review the CBI General Terms and Conditions of Sale on www.cbi-lowvoltage.com.

Thank you for your purchase!