

**quick start guide  
and installation (part 1)**  
Issue: 1.0, 08-2025



**attention:** Device in development - latest edition of instructions under QR code.

**attention:** this abbreviated manual is for illustrative purposes only. The main instructions (below QR code) contain important information with which you should be familiar.



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National Waste Database  
no.: 000009381

## installation steps

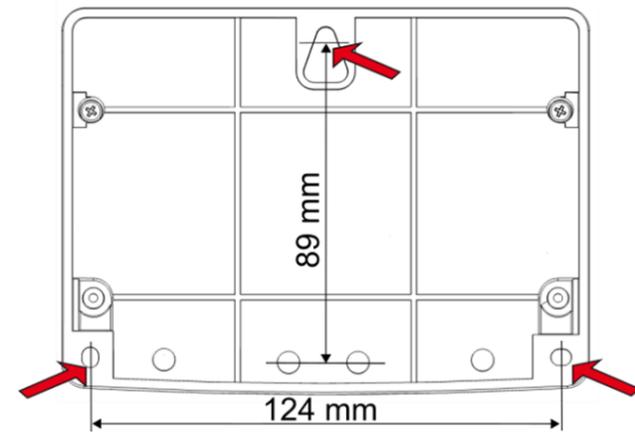
**attention:** QR codes next to the steps lead to instructional videos

1. installation of controller
2. installation of outside temperature sensor (T1)
3. installation of flow (T2) and return (T3) temperature sensors
4. connection of sensors to evoSYNC
5. connection of heat pump
6. connection of gas boiler
7. connection of electricity meter
8. connection of power supply
9. adding and configuring installations in the ecoNET Cloud

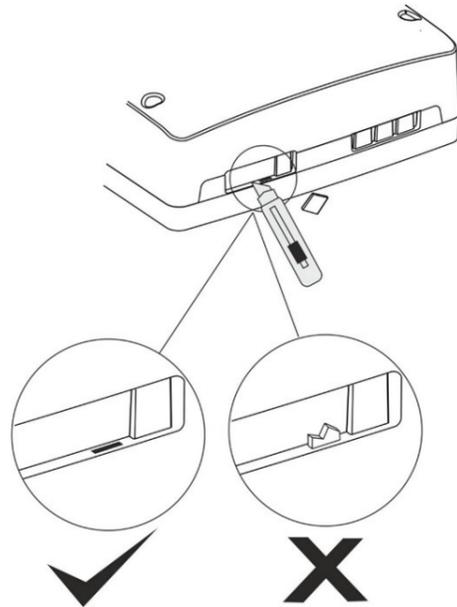
## 1. installation of controller



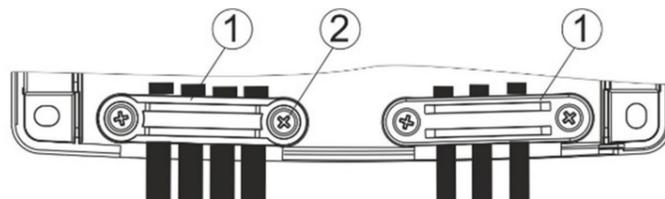
The housing should be screwed to a flat mounting surface using  $\varnothing 3$  mm screws.



If necessary, cut out the wire caps. Remove any sharp edges that were created by cutting out the caps.



The cables should be secured against pulling out using brackets (1). The bracket screws (2) should be tightened with such force that mechanical stress on the cables does not cause them to pull out or loosen from the terminals.

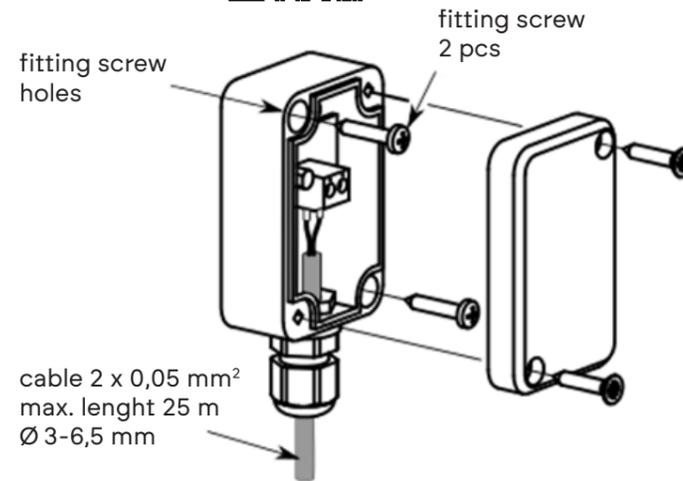


**attention:** In order to maintain the IP 20 protection class, two cable brackets (1) should be installed, even if there is no need to use them.

## 2. installation of outside temperature sensor (T1)

T1

The T1 temp. sensor should be mounted on a wall that is not exposed to sunlight, in a roofed place, at least 2 m above the ground and at least 1.5 m from windows, chimneys and other heat sources.



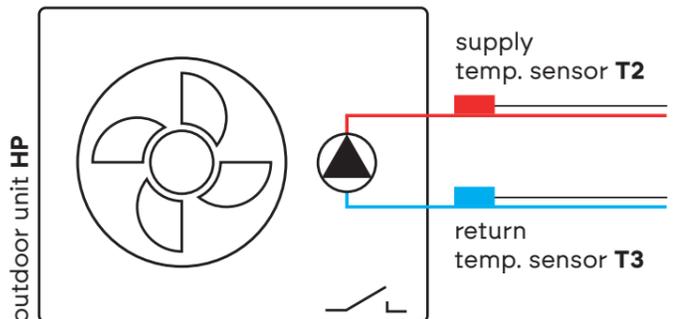
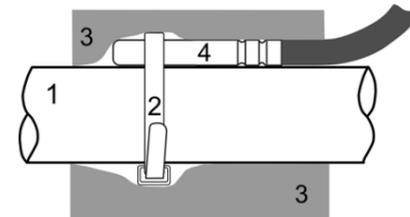
## 3. installation of flow (T2) and return (T3) temperature sensors

**T2** - The supply sensor should be attached (by means of a pressure, e.g. a plastic clamp) to the supply pipe coming out of the heat pump.

**T3** - The return sensor should be attached (by means of a pressure, e.g. a plastic clamp) to the return pipe going into the heat pump.



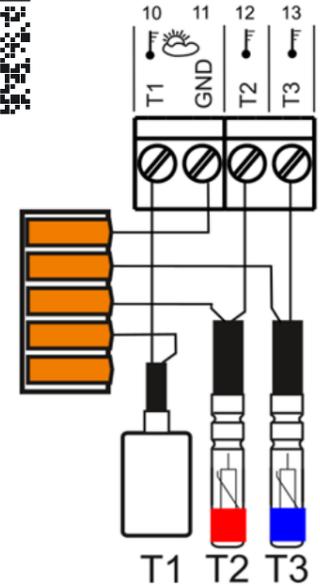
- 1 - pipe
- 2 - clamp
- 3 - thermal insulation (insulation sleeve)
- 4 - temp. sensor



## 4. connection of sensors to evoSYNC

**attention:** The order of connecting the sensor wires to the controller terminals is not important.

For easy connection to the common GND terminal of the controller, it is recommended to use a WAGO type connector.



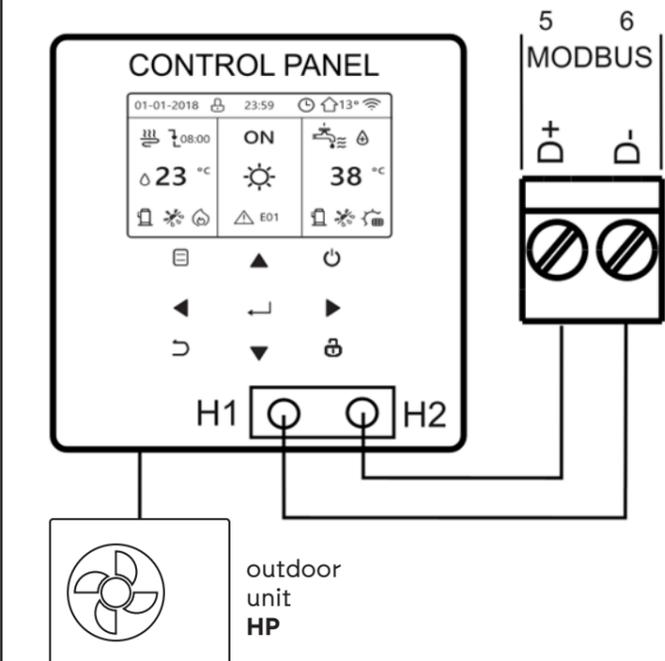
## 5. connection of heat pump



**attention:** When connecting the panel to terminals 5-6 of the controller, keep the connection H1 (D-), H2 (D+).

**attention:** Once the cable is connected, it is essential to replace the back cover of the panel.

To connect, use the 2-wire cable from the set.

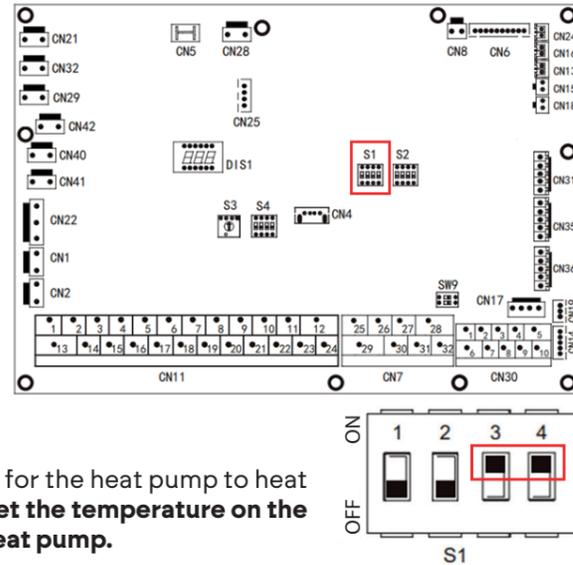


## 6. connection of gas boiler

Connection is required if the gas boiler is not connected to the heat pump.



Configure switch group S1 on the heat pump motherboard. **Switches 1 and 2 of group S1 should be in the off position and switches 3 and 4 in the on position.** If you change the position of the switches with the outdoor unit powered, reset the power to the unit to activate/deactivate the algorithms defined by the switches.

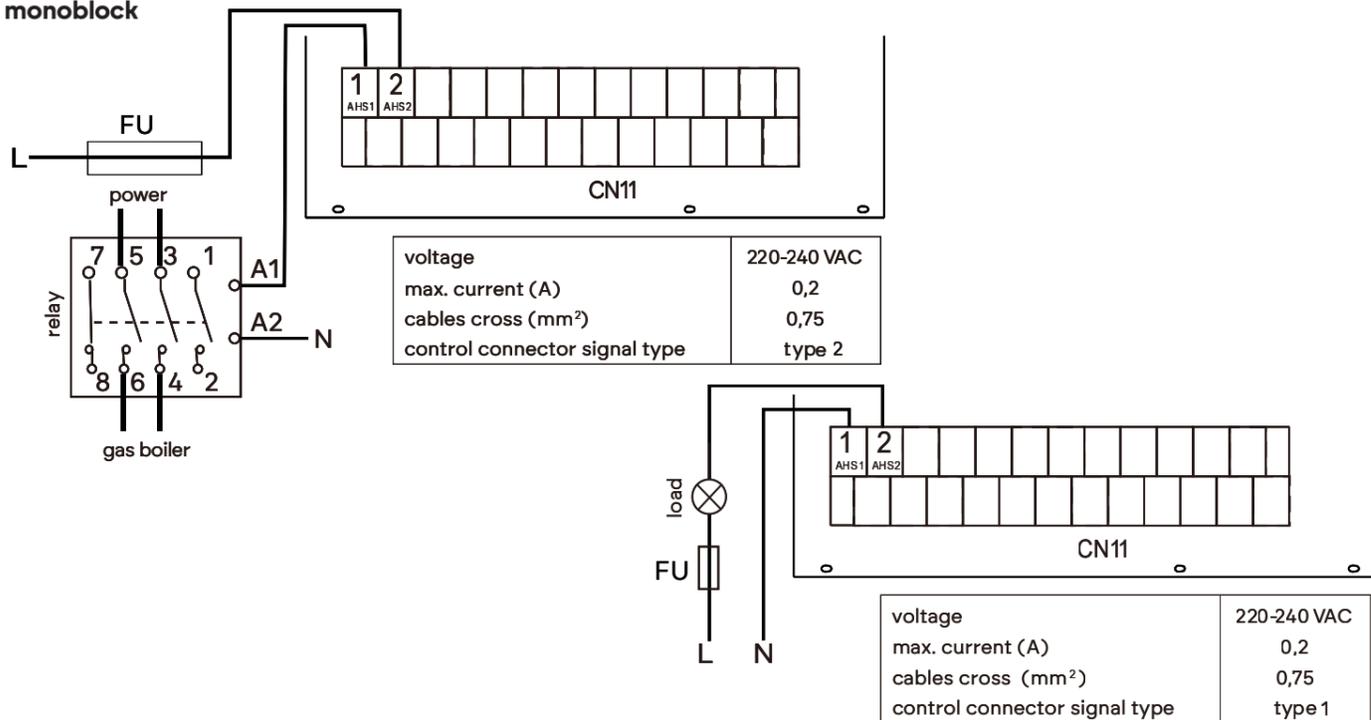


Then select the corresponding AHS function via the Midea panel. To do this, enter the service menu of the controller and go to the **Other heating source** submenu and look for the **AHS function** item. In order for the AHS to work, we select one of the options:

1. CH
2. CH+DHW

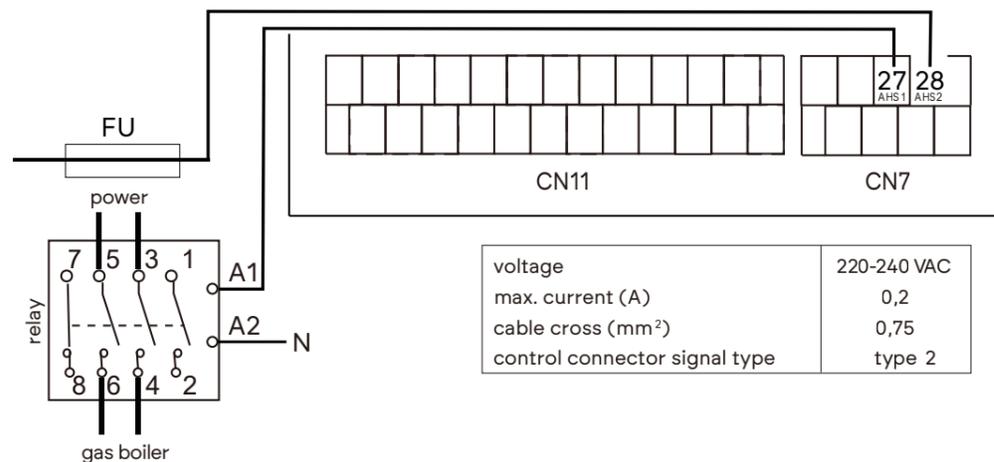
**attention:** The temperature on the boiler should be set high enough for the heat pump to heat the storage tanks to the set temperature. **It is recommended to set the temperature on the boiler equal to or higher than the highest set temperature on the heat pump.**

### monoblock



### split

Connect the gas boiler contact input with a cable to the terminals **(27) AHS1, (28) AHS2** on the board in the heat pump. Information on controlling an additional heat source:

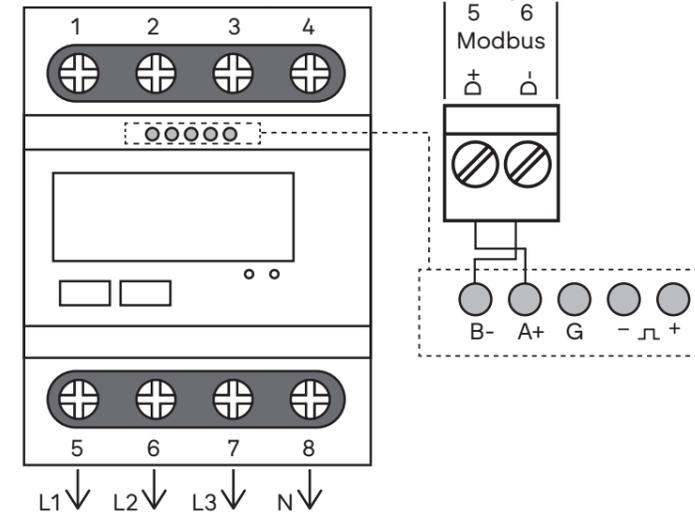


## 7. connection of electricity meter



The meter should be mounted on the heat pump's electrical power supply cable.

**evoMETER MOD 3F** (recommended) - 3-phase, Modbus

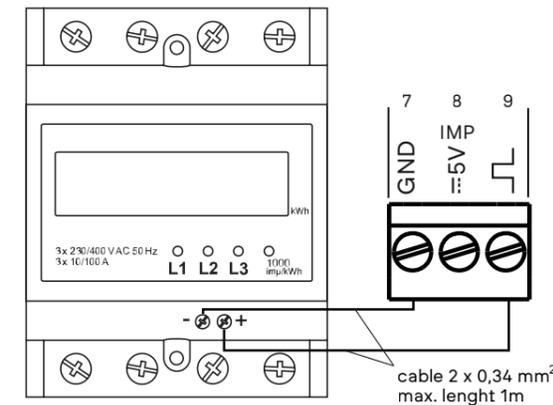


**attention:** When connecting the meter to terminals 5-6 of the controller, keep the B- (D-), A+ (D+) signals connected.

**attention:** It is necessary to change the Modbus address of the counter (by default the counter has address=001).

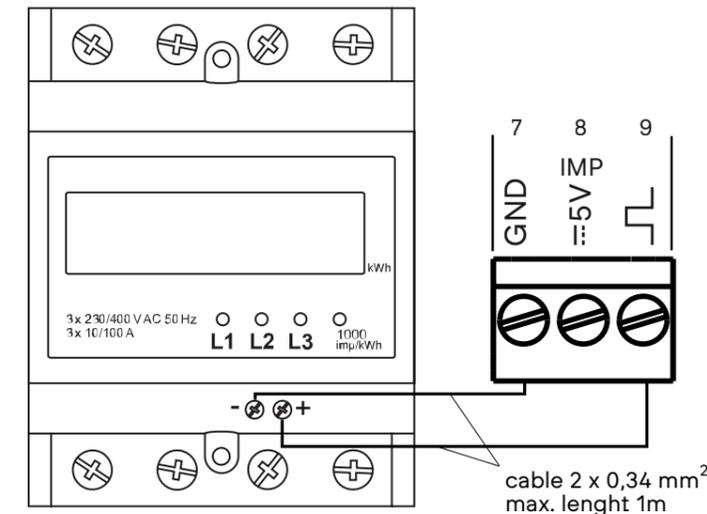
1. Press the /Enter button on the counter for 3 sec.
2. Enter the meter service password „PAS1000”.
3. Then use the button to select the „Add 001” menu.
4. Set the address to „Add 002”.
5. Confirm the setting by pressing the button for 3 sec.

**evoMETER IMP 1F** - pulse, 1-phase



**attention:** When connecting the counter to terminals 7, 9 of the controller, keep the + (D+), - (GND) signals connected.

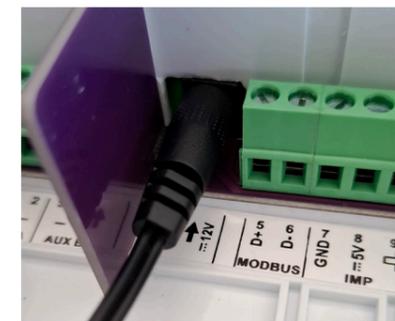
**ecoMETER IMP 3F** - pulse, 3-phase



**attention:** When connecting the counter to terminals 7, 9 of the controller, keep the + (D+), - (GND) signals connected.

## 8. connection of power supply

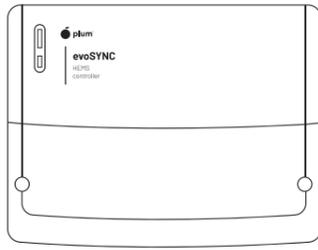
Connect the plug of the external mains adapter to the controller terminal.



## 9. adding and configuring installations in the ecoNET Cloud

Adding and configuring an installation in the ecoNET Cloud is described in the second part of the Quick Start Guide.

**attention:** The controller only connects to a 2.4GHz WiFi network using the IEEE 802.11 B/G/N standard.



**quick start guide  
and installation (part 2)**  
Issue: 1.0, 07-2025



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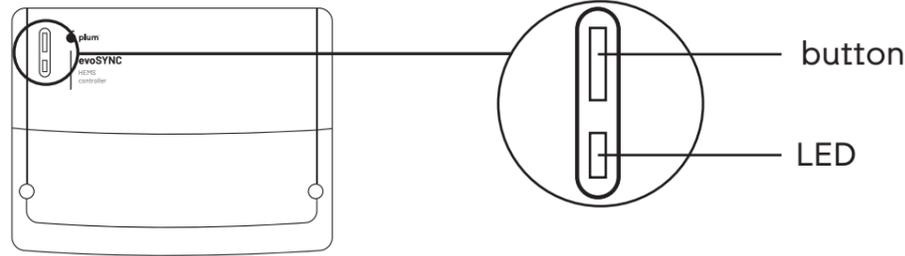
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## information about the LED installation steps

9. downloading the mobile app
10. login
11. searching for components
12. adding components
13. adding installation
14. remote access to installation
15. completion of installation
16. configuration of thermostats
17. activation and selection of your tariff
18. optional operating function heat pump/ boiler hybrid

electrical diagram

## information about the LED



	lights up constantly in green	Active connection to the 2.4GHz WiFi network and active connection to the internet service.
	flashes green	Active connection to 2.4GHz WiFi network and no connection to the internet service.
	lights up constantly in blue	The connection via BT v4.2 between the controller and the mobile device is permanently active.
	flashes blue	The controller has BT v4.2 enabled and is ready for use with a mobile device.
	flashes yellow	There is no connection to the 2.4GHz WiFi network.
	quickly flashes yellow	The controller changes the operating mode: BT v4.2/ WiFi 2.4GHz.
	no light	No power supply to the controller.
	3 x flashes red 1 x flash green	The controller is in WiFi 2.4GHz mode but there is no wired connection/transmission with 'Modbus' devices.
	3 x flashes red 1 x flash blue	The controller is in BT v4.2 mode but there is no wired connection/transmission with 'Modbus' devices.
	flashes purple	The controller has the WPS function enabled.  To activate the WPS function, hold down the button for 10 seconds, which will be signalled by the LED flashing purple.  Then press the WPS button on the WiFi router and wait until the controller automatically connects to the WiFi router, which will be signalled by the LED flashing green.  If the WiFi name or password for the network has changed, the WPS function on the controller must be activated again.

## 1. downloading the mobile app

**On power-up, the controller is in BT mode by default, which is indicated by the LED flashing blue.**

**attention:** When evoSYNC automatically switches to WiFi mode (LED flashes green), then hold down the button on the controller housing for approx. 5 sec. to activate BT mode.



Android



iOS

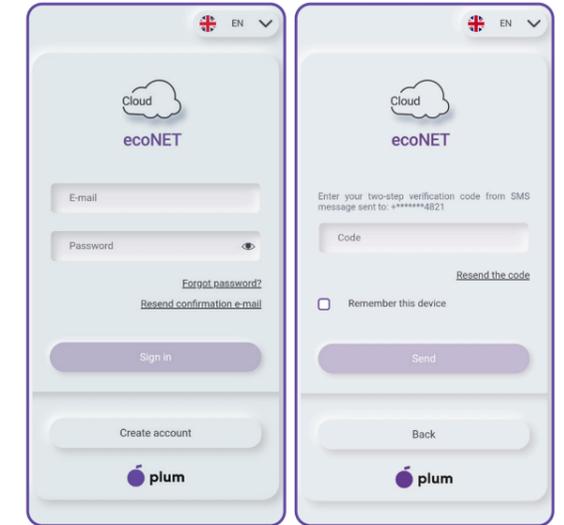
- Using the QR codes shown on the left, download and launch the **ecoNET Cloud app**.
- Activate all required peripherals.
- Accept the terms and conditions and consents.



**attention:** QR code lead to instructional video

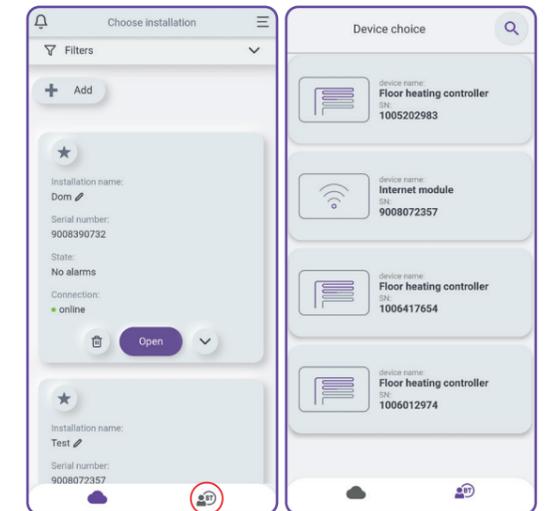
## 10. login

**Log in to the previously created installer account.**



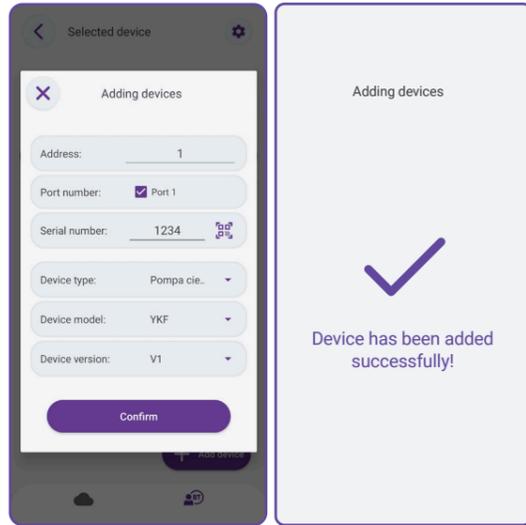
## 11. searching for components

Go to the 'BT' tab and click on the 'magnifying glass' **Search devices**. If BT is not enabled on the mobile device, the app will ask you to enable it. Select the controller to be configured from the list by name and S/N (factory number previously read from the controller's rating plate, e.g. 9006194719).



## 12. adding components

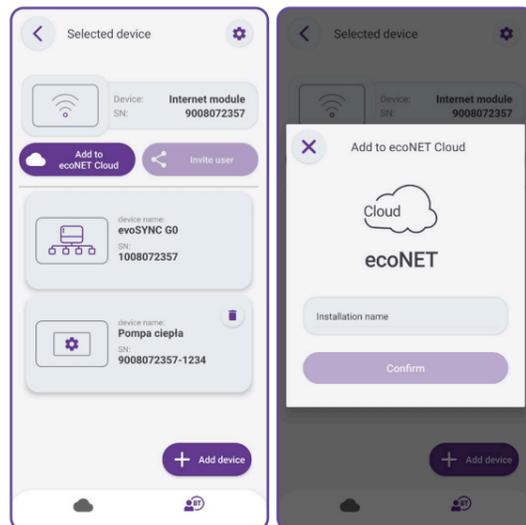
- Add the YORK heat pump by selecting **Add device and Modbus device**.
- Leave the default setting Address: '1' and Port Number: 'Port 1'.
- Enter the heat pump FN serial number.
- Select the following options: Device type: Heat pump (HP), Device model: YKF, Device version: V1 and select **Confirm**.
- The successful addition of the component will be confirmed by a message.



## 13. adding installation

Add the installation to the installer account (**Add to ecoNET Cloud** button) to gain remote access to the installed heat pump installation.

**attention:** If the evoMETER MOD 3F "Modbus" meter is connected to the controller, it should also be added to the installer's account. Leave the selection: Address: "2", Port number: "Port 1", device serial number, Device type: Electricity meter, Device model: Eastron, Device version: SDM72D-M-2 and select **Confirm**.

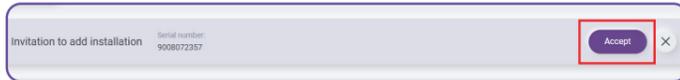


## 14. remote access to installation

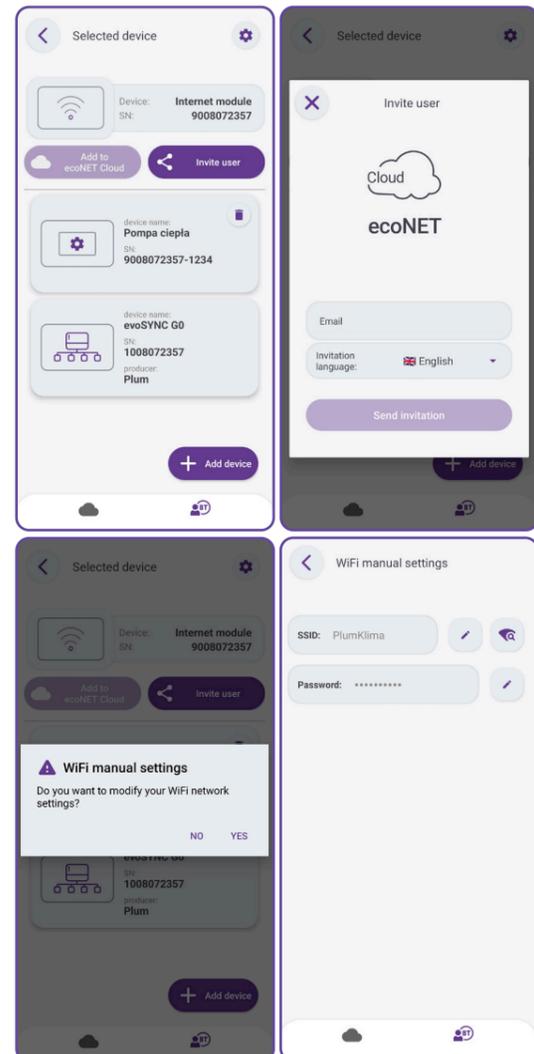
Invite the installation user to the econetcloud.eu

**The installer's remote access to the device will only be possible after the installation user has set up an account in econetcloud.eu** and accepted the invitation sent, accepted the regulations and consents, and configured the local WiFi.

After pressing the **Send invitation**, a message with a link to create an account/log in to **econetcloud.eu** will be sent to the specified email address. The user must log in to their own econetcloud.eu account and accept **Accept** invitation to add an installation.



After sending the invitation, an additional window will appear asking about the WiFi network configuration - select **Yes** and enter the details of the available WiFi network.



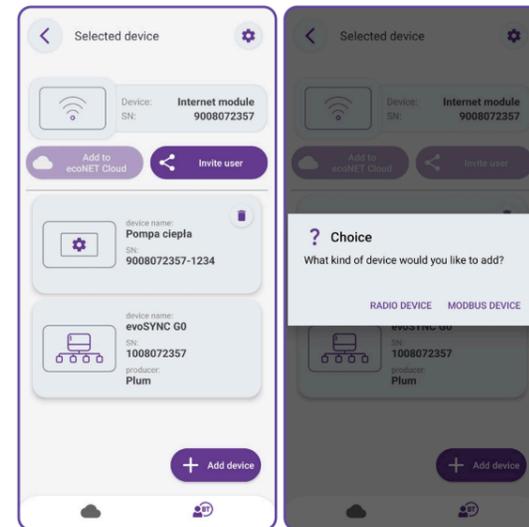
## 15. completion of installation

**Once the configuration is complete, hold down the controller button for approx. 5 seconds to activate WiFi mode.**

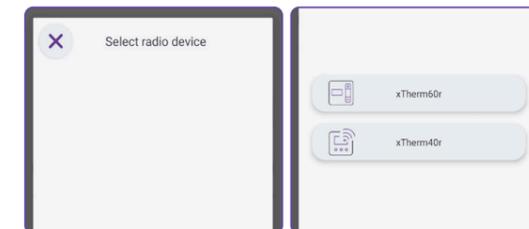
A green continuous LED indicates active connection to the WiFi network and to the Internet service and correct completion of the controller configuration.

## 16. configuration of thermostats

- Enter 'add device' on the home screen. Then select **Radio device**.

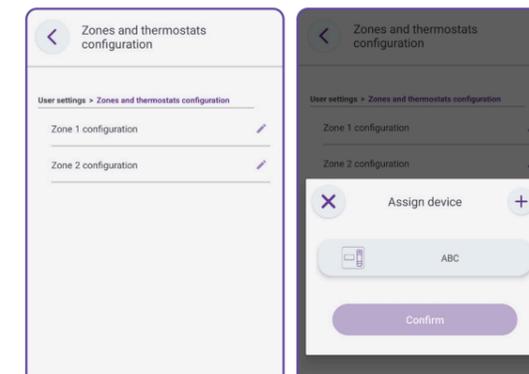


- Pair the thermostat to the device that is the shortest distance away from it to maintain the best wireless connection. Then select the thermostat model you own.



- Follow the on-screen instructions.

- Once the thermostat has been paired, enter **Settings**, then **Zone and Thermostat Configuration** and enter the selected zone where you select the device to be assigned.



## 17. Activation and selection of your tariff

- In the econetcloud.eu panel, on the left-hand side, open the **Installation Settings** tab.
- Scroll to the **Energy Tariff** section.
- Check **Configure energy tariff** , then select the relevant country, distributor and tariff you have and click **Save**.

### gas price

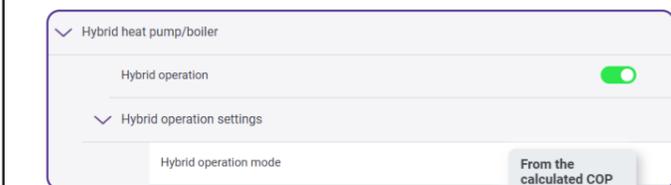
For the correct operation of the hybrid system, the gas price data must be filled in: Gas price per 1 kWh and Variable distribution fee. The gas price should be completed based on the last gas bill.

### electricity price

Dynamic electricity tariffs will be taken into account when the **Electricity Price** parameter is selected as **Auto**.

## 18. optional operating function heat pump/boiler hybrid

In the menu, in the **Heat pump/boiler hybrid** tab, **Hybrid operation**, set to **ON**. The **Hybrid operation settings** tab will appear, in which the **Hybrid operation mode** parameter should be set to **From the calculated COP**.



## electrical diagram

