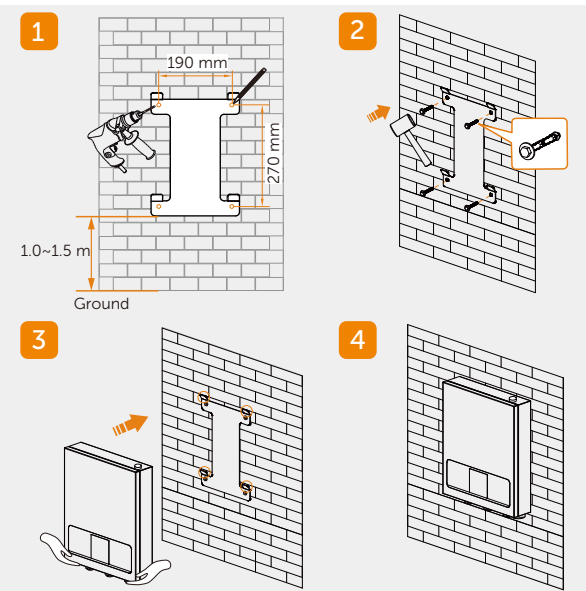
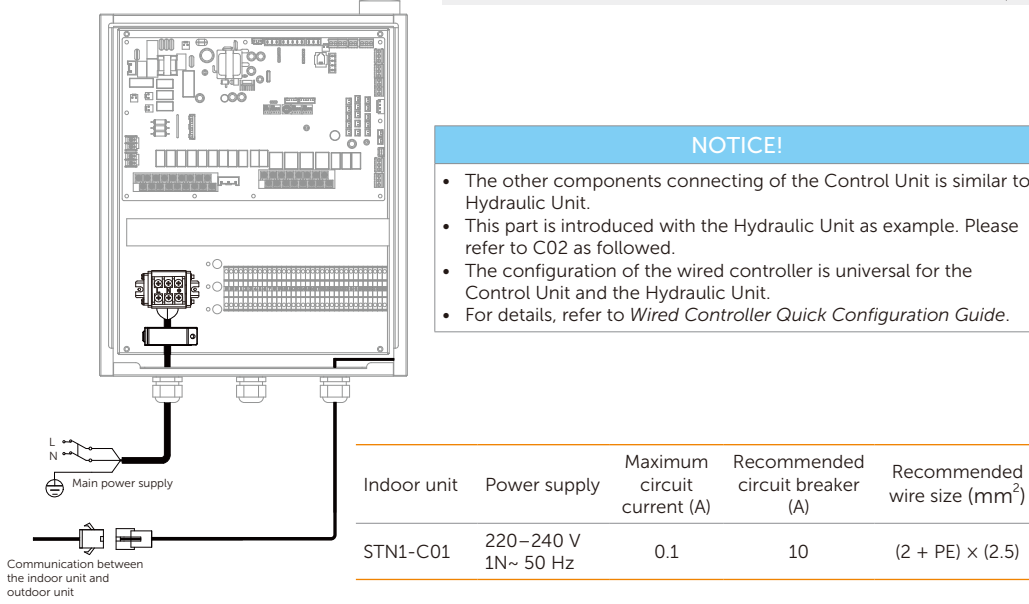


Control Unit (STN-C01)

Installation

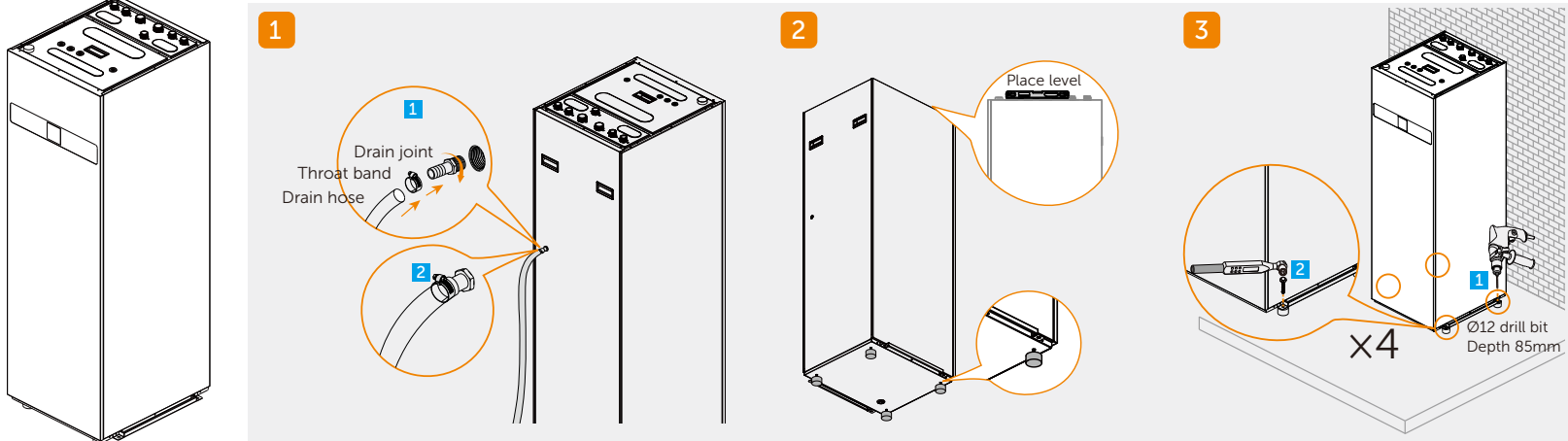


Electrical connection

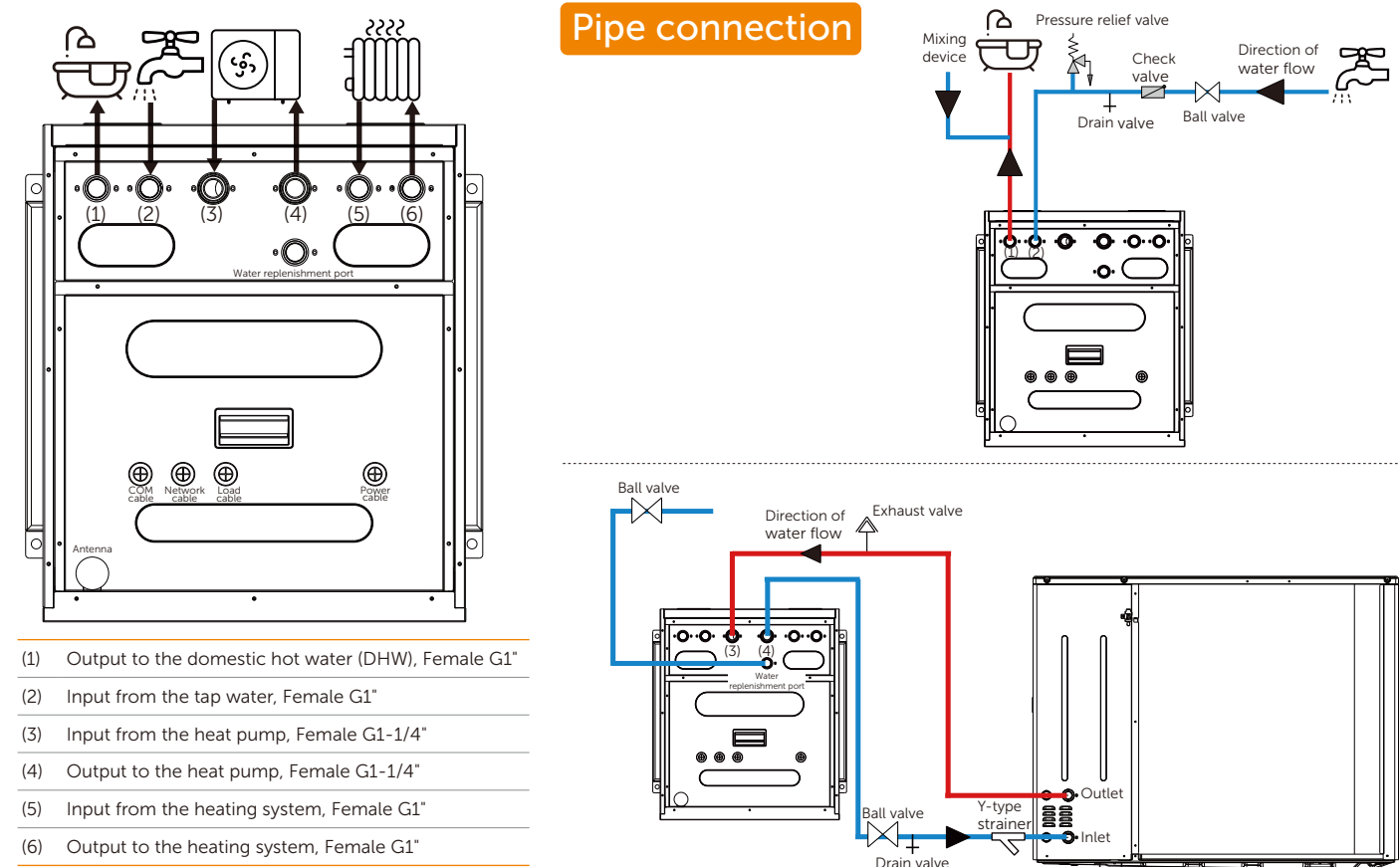


Hydraulic Integrated Unit (STN-C03)

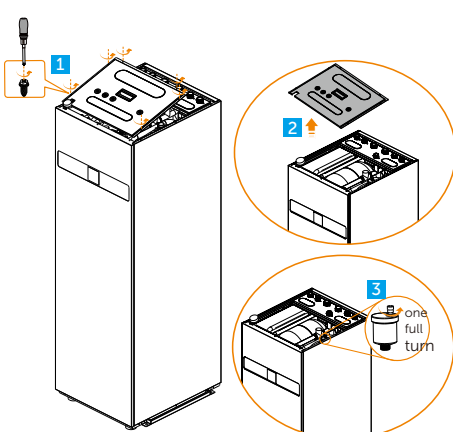
Installation



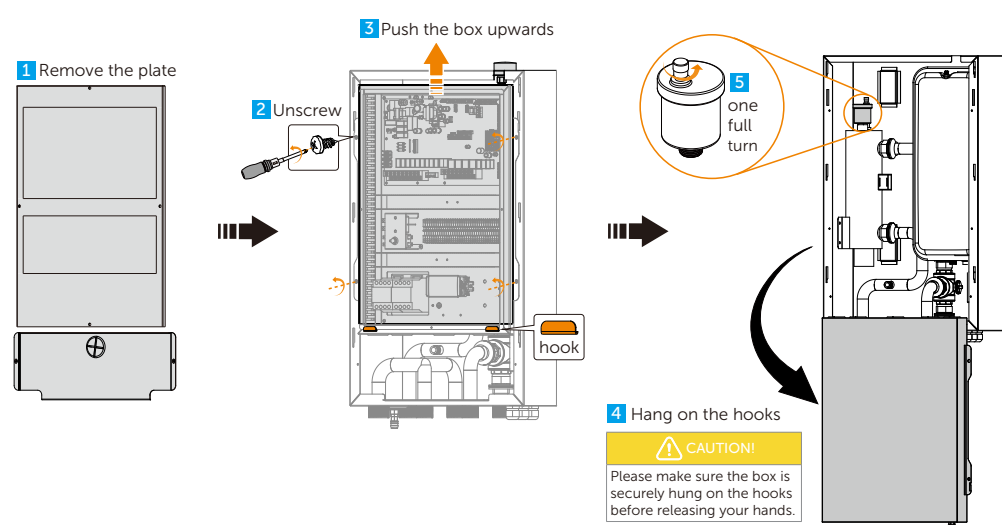
Pipe connection



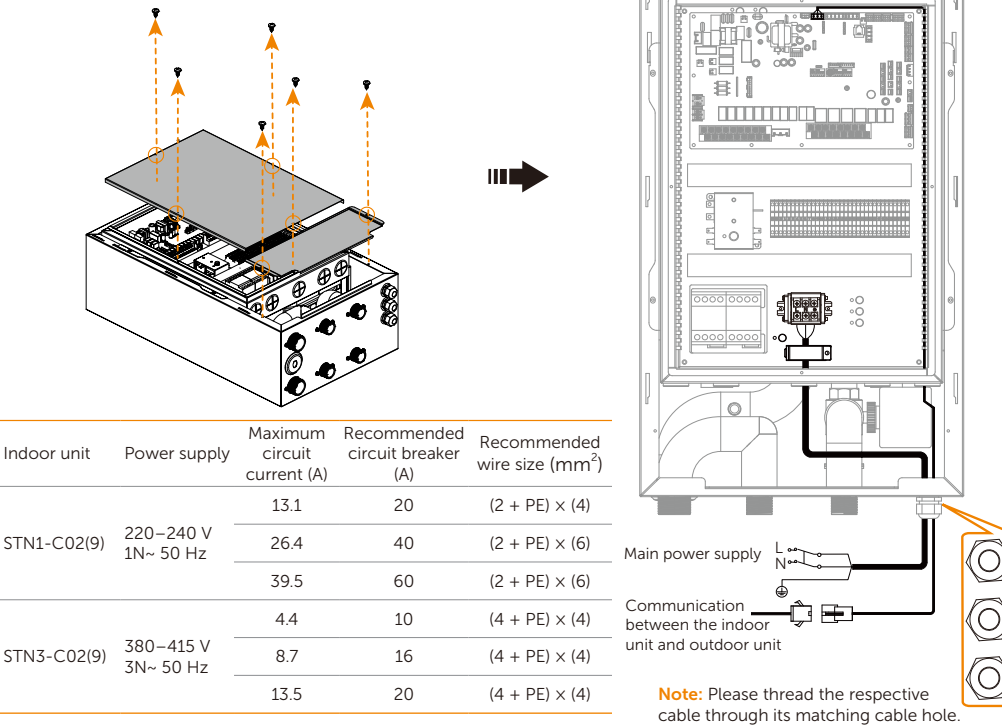
Exhausting before filling



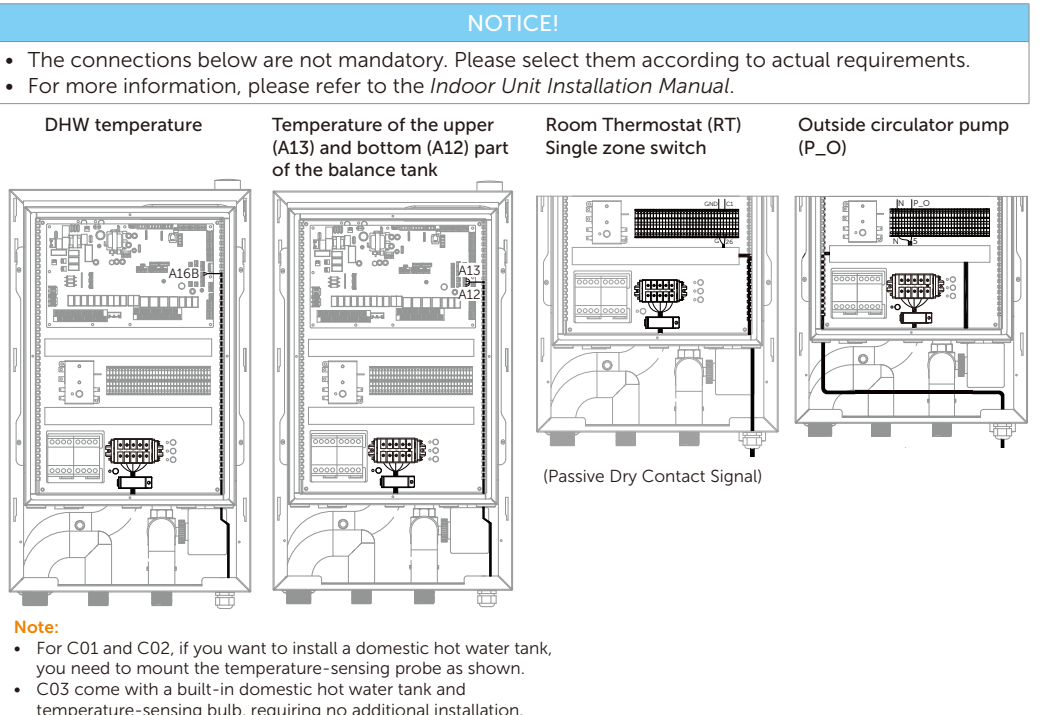
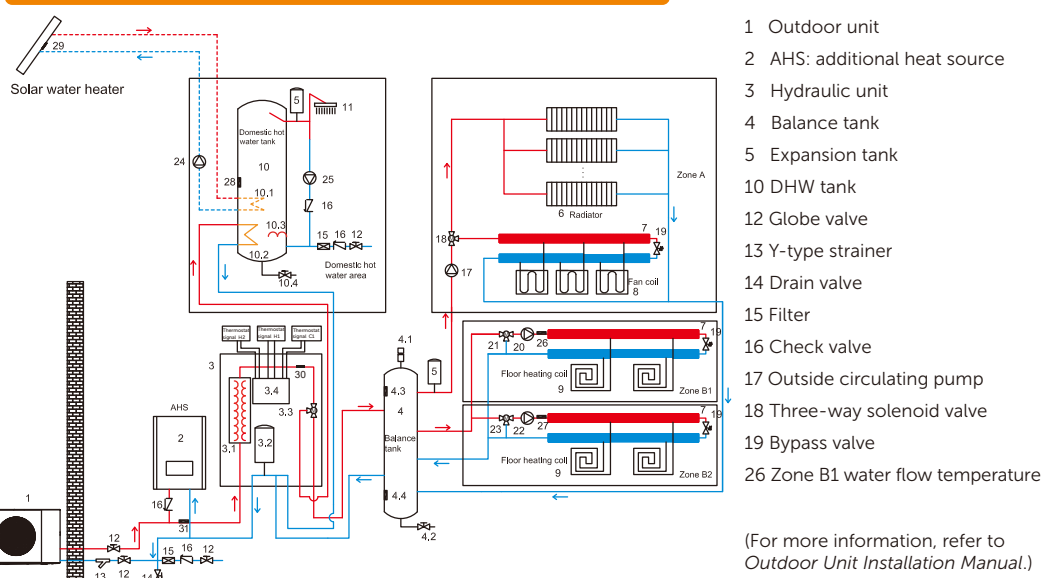
Exhausting before filling



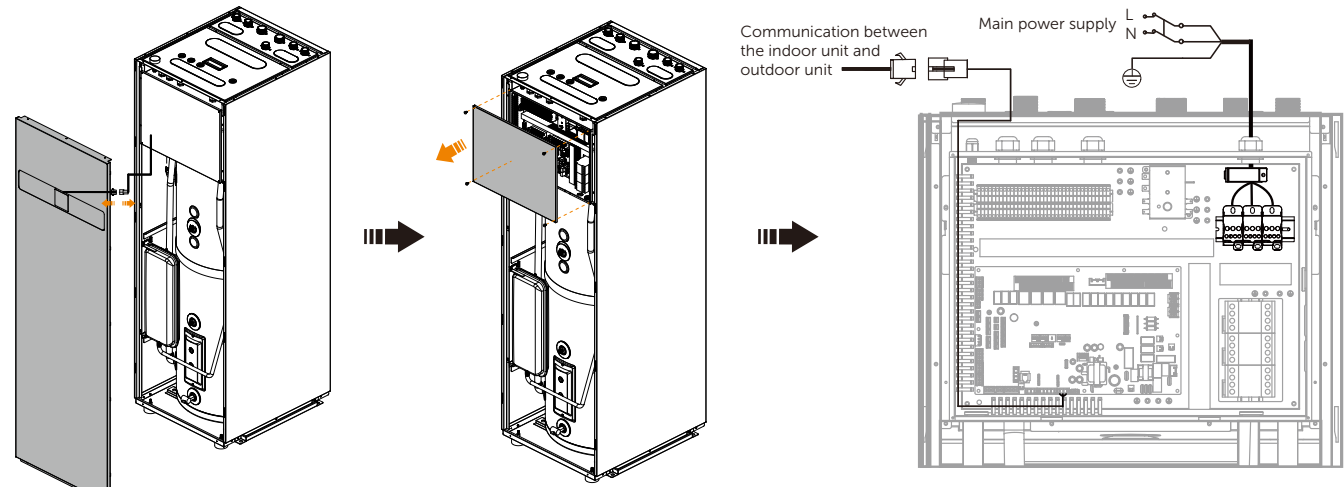
Electrical connection



Typical application Outdoor Unit + Hydraulic Unit + AHS

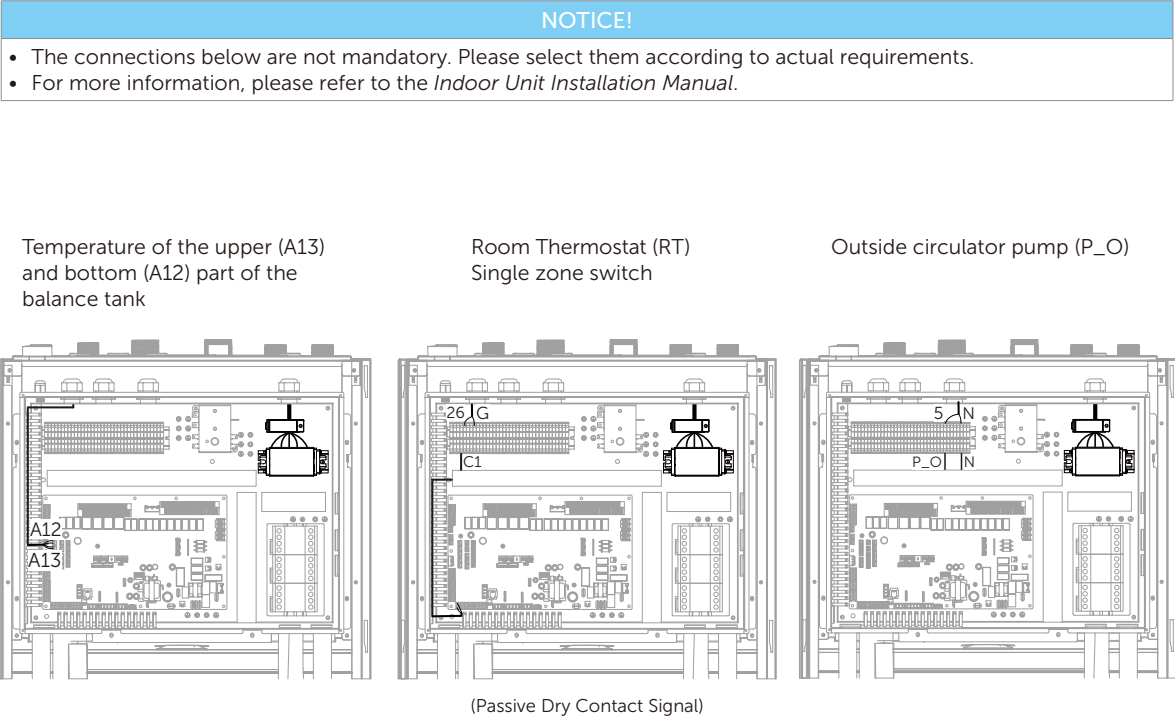
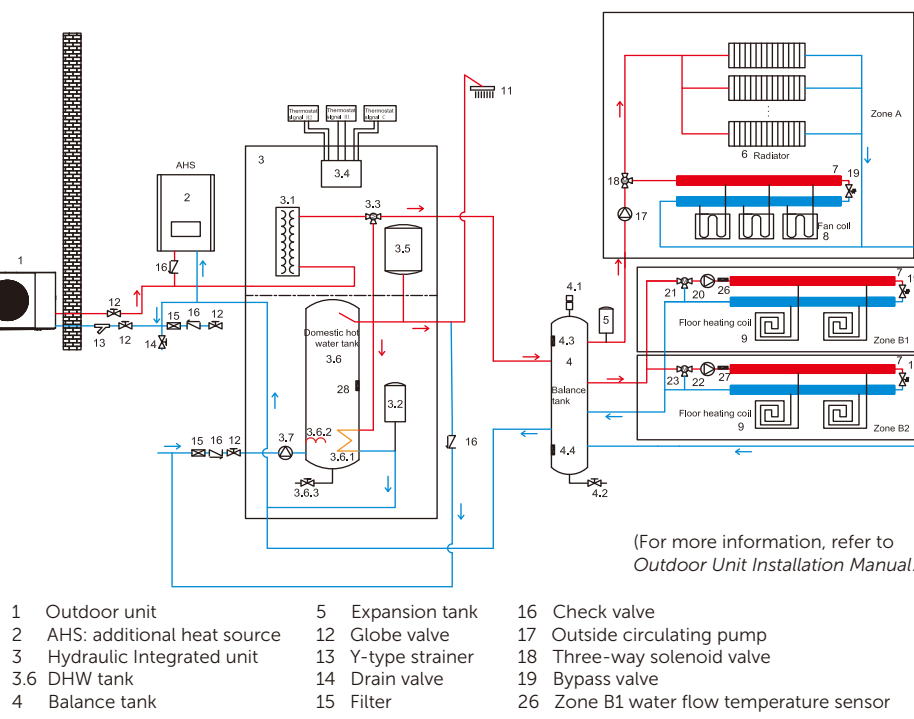


Electrical connection



Indoor unit	Power supply	Maximum circuit current (A)	Recommended circuit breaker (A)	Recommended wire size (mm ²)
STN1-C03(9W3)	220~240V 1N-50Hz	26.4	40	(2 + PE) x (6)
		39.5	60	(2 + PE) x (6)
		52.3	80	(2 + PE) x (6)
STN3-C03(9W3)	380~415V 3N-50Hz	8.7	16	(4 + PE) x (4)
		13.5	20	(4 + PE) x (4)
		17.5	25	(4 + PE) x (4)

Typical application Outdoor Unit + Hydraulic Integrated Unit + AHS





Wired Controller Quick Configuration Guide



Manual in the QR code or at www.solaxpower.com



Note: Wired Controller is integrated into the indoor unit.

Basic Setting

The main interface varies according to the application scenario. You should complete the following setting first.

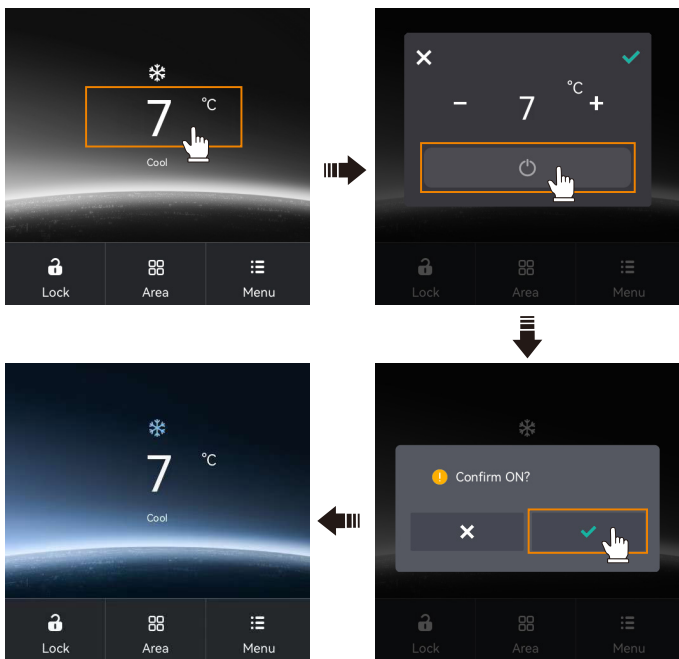
Setting path:

Setting Menu
↓
Advanced setting
↓
Parameters config
↓
System parameters II
↓
PANEL_CTRL

Item	Explanation
1 ZONE.TW	Single-zone water temperature + hot water
1 ZONE.TA	Single-zone room temperature + hot water
2 ZONE.TW	Two-zone water temperature + hot water
2 ZONE.TW&TA	Two-zone water temperature + room temperature + hot water
3 ZONE.TW	Three-zone water temperature + hot water

Switch on/off the air conditioner or hot water area using wired controller.

Click the temperature to turn on/off the cooling or heating mode.



Switch on/off the air conditioner area using room thermostat.

Setting path:

Setting Menu
↓
Advanced setting
↓
Parameters config
↓
System parameters II
↓
RT_CTRL

Item	Explanation
ZoneA.Mode.SW	Single zone mode switch
ZONE.A.SWITCH	Single zone switch
2 ZONE.SWITCH	Two zone switch
3 ZONE.SWITCH	Three zone switch

NOTICE!

- More details about basic function of wired controller, please refer to *Wired Controller Operation Manual*.

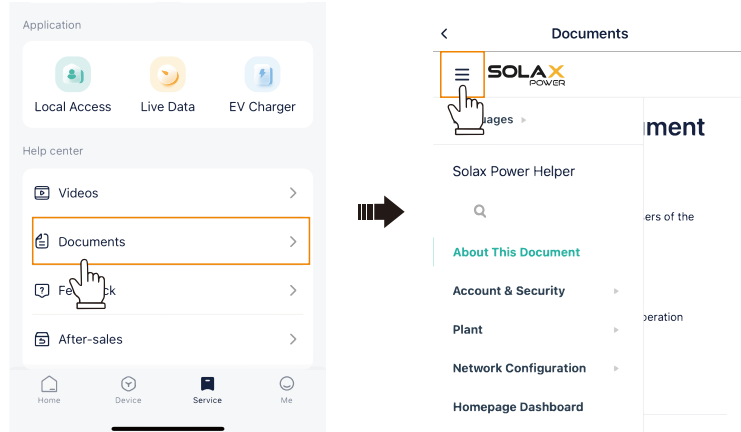
Downloading and Installing App

Method 1: Scan the QR code below to download the App.

Method 2: Search for SolaxCloud in App Store App or Google Play, and then download the App.

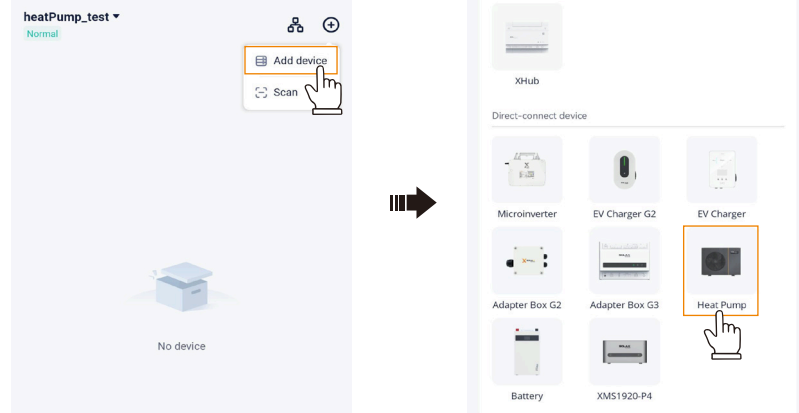


Document guidance on App

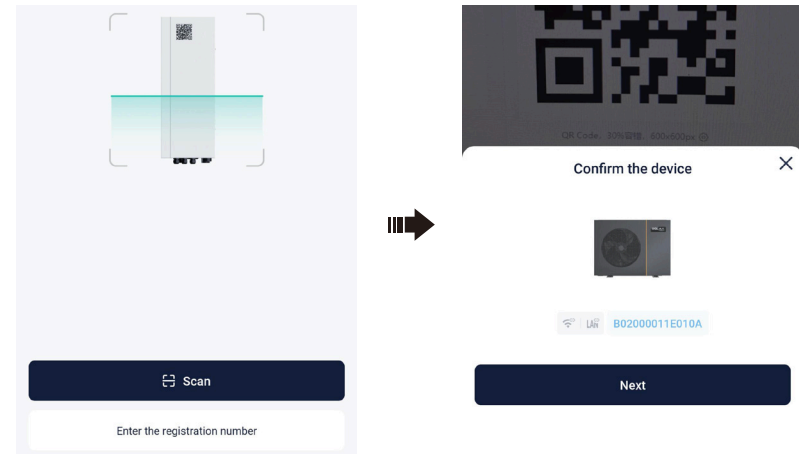


Device Configuration

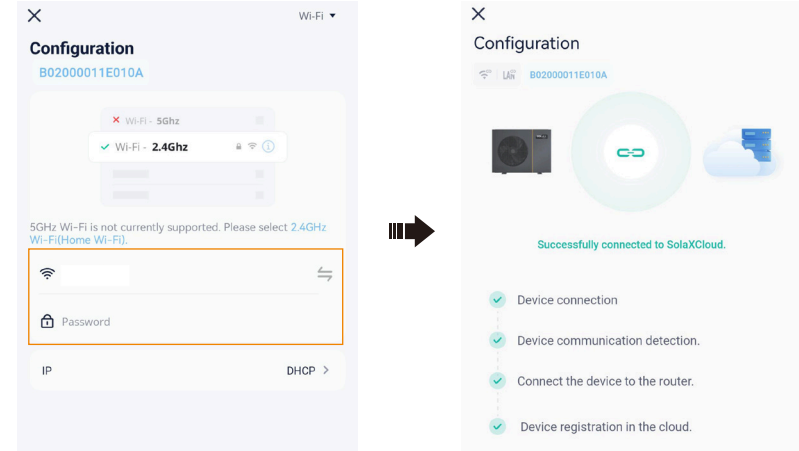
Step 1: Turn to the **Device** page of the App and touch **Add Device**, then select **Heat Pump**.



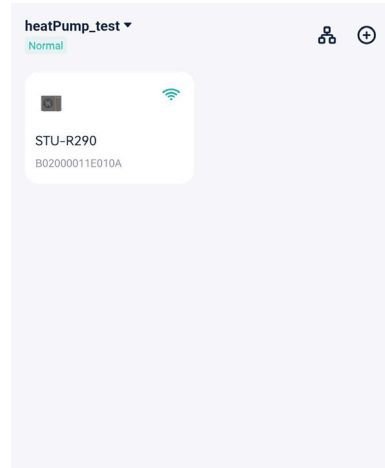
Step 2: Enter the **Configuration** page. **Scan** the QR code in the device or **Enter the registration number**.



Step 3: Choose your home **Wi-Fi network** and enter **Password**, then touch **Next**.



Step 4: After the configuration is succeeded, the device and its connection status will be displayed on the **Device** page.



Other Component Configuration

Hot water mode configuration

Step 1: Install the water tank temperature sensor. (Temperature sensor shall be installed for C01 and C02, while C03 doesn't need.)

Step 2: Set parameters.

Setting path:

Setting Menu
↓
Advanced setting
↓
Parameters config
↓
System parameters II
↓
HOT_WATER HW_PRIORITY HOT_WATER_ON_MAX HOT_WATER_PRIOR_LIMIT

NOTICE!

- Set [HOT_WATER] into **on**;
- Set the remaining options according to requirements.

Balance tank configuration

Step 1: Install the balance tank temperature sensor.

Step 2: Set parameters.

Setting path:

Setting Menu
↓
Advanced setting
↓
Parameters config
↓
Input&Sensors
↓
TACt1_SENSOR

NOTICE!

- Set [TACt1_SENSOR] into **on**;
- Set [TEMP_CTRL_OB] into **balance tank**.

Electric heat configuration

Step 1: Hardware setting.

- Hydraulic Unit is equipped with 3kW + 6kW internal backup heater (IBH).
- Hydraulic Integrated Unit is equipped with 3kW + 6kW IBH and a 3kW water tank electric heater (TBH).
- When the user installs the IBH independently and controls it via the Control Unit, a total outlet water temperature sensor must be installed at the outlet of the IBH pipeline.

Step 2: Set parameters.

Setting path:

Setting Menu
↓
Advanced setting
↓
Parameters config
↓
System parameters I
↓
IBH1 POWER IBH2 POWER TBH_POWER

NOTICE!

- Set [IBH] and [TBH] according to requirements.

NOTICE!

- Set [TWout2_SENSOR] into **on**;
- Set the remaining options according to requirements.

External Heat Source configuration

Step 1: Install the total outlet water temperature sensor.

Step 2: Set parameters.

Setting path:

Setting Menu
↓
Advanced setting
↓
Parameters config
↓
Input&Sensors
↓
TWout2_SENSOR

Setting Menu
↓
Advanced setting
↓
Parameters config
↓
Auxiliary Heat Settings
↓
AHS EXH open Env

NOTICE!

- Set [TWout2_SENSOR] into **on**;
- Set [AHS] and [EXH open Env] according to requirements.

Thermostat configuration

Step 1: Connect the signal wire..

Step 2: Set parameters.

Setting path:

Setting Menu
↓
Advanced setting
↓
Parameters config
↓
System parameters II
↓
RT_CTRL

NOTICE!

- When RT_CTRL is set to **ZONE.A.SWITCH (Single zone switch)**:
- When C1 signal is closed, zone A turns on the RT control function.
 - When C1 signal is disconnected, zone A turns off the RT control function.

Note: For more configuration about wired controller. Please contact our technical engineers.

Warranty Registration

Please visit the website: <https://www.solaxcloud.com/user-center/> to complete the warranty registration. For more detailed warranty terms, please visit Solax official website: www.solaxpower.com.