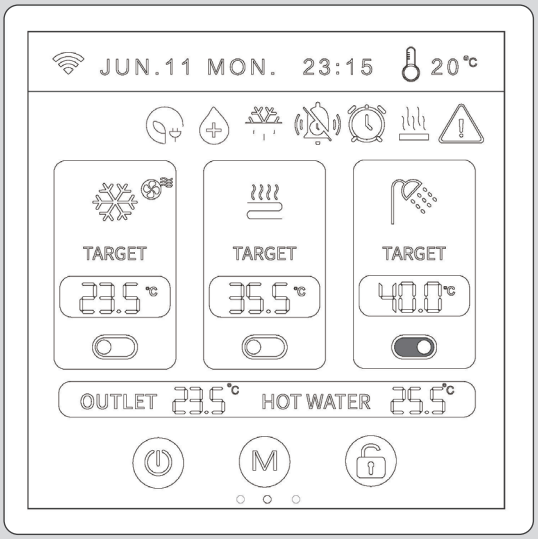
# INSTALLATION GUIDE

V1.0

ECOFLOW R290 AIR TO WATER HEAT PUMP
Wire Controller

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## IMPORTANT

- Thank you very much for purchasing our product. Before using your unit, please read this manual carefully and keep it for future reference.

# Contents

# General Safety Precautions

## About The Documentation

The precautions described in this document cover very important topics, follow them carefully. All activities described in the installation manual must be performed by an authorized installer.

| Symbol | Description |
|---|---|
| ⚠ DANGER | Indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury. |
| ⚠ CAUTION | Caution, risk of electric shock. |
| ⚠ WARNING | Indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury. |
| ⚠ CAUTION | Indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury. |
| NOTICE | Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance deterioration, or unanticipated results.<br>**NOTICE** is used to address practices not related to personal injury. |

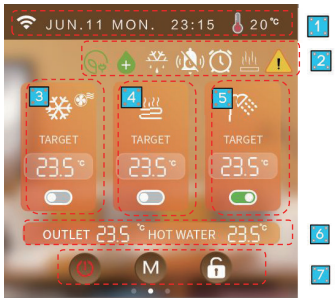
## For The User

⚠ WARNING

- If you are not sure how to operate the unit, contact your installer.
- The appliance is not intended for use by persons, including children, with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children must be supervised to ensure that they do not play with the product.
- Unit are marked with the following symbol:
- This means that electrical and electronic products cannot be mixed with unsorted household waste. Do NOT try to dismantle the system yourself: the dismantling of the system, treatment of the refrigerant, of oil and of other parts must be done by an authorized installer and must comply with applicable legislation. Units must be treated at a specialized treatment facility for reuse, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health. For more information, contact your installer or local authority.
- Placed in a location away from radiation.

# Power On Interface

## The Appearance of The Wired Controller




1 Signal, Time, Ambient Temperature
2 Icons show the meaning：Free electricity, Sterilization, Defrost, Timing mute, Timing function, Heater function, Fault
3 Zone A cooling/heating mode, Terminal installation icon, Cooling/heating target temperature, Zone A switch.
4 Zone B floor heating mode, Floor heating target temperature, Zone B switch.
5 Hot water mode, Hot water target temperature,Hot water switch.
6 Total outlet water temperature, Hot water temperature.
7 Total ON/OFF, Mode, Unlock/lock screen.

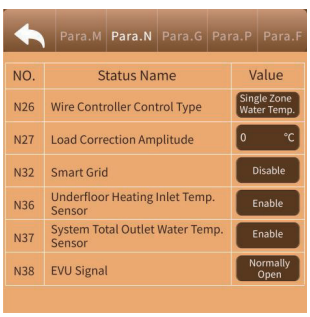
## Status Icons

| Icons | Status | Description | Icons | Status | Description |
|---|---|---|---|---|---|
| | Network status | Display according to signal strength | | Defrosting | Unit currently operating defrost function |
| | Heating mode | Dynamically indicates power on | | Anti-frost | Unit is currently operating with anti-freeze function |
| | Cooling mode | Dynamically indicates power on | | Holiday | Unit currently running in holiday mode |
| AUTO | Automatic mode | Dynamically indicates power on | | Quiet | The unit is currently running in silent mode |
| | Hot water mode | Dynamically indicates power on | ECO | Energy saving | The unit is currently running in energy saving mode |
| | Underfloor heating | Dynamically indicates power on | | Capacity test | Unit currently running capacity test |
| | Fault | Unit is faulty | | Fluoride collection | Unit currently running fluoride collection function |
| | Preheating | Blinking indicates preheating | | antibacterial | Unit currently running sterilization function |
| | Network status | Blinking display distribution network | | Free electricity | |
| ON OFF | Timer Silence | The wire controller turns on the timed mute | | Valley electricity | |
| ON OFF | Timer function | The wire controller turns on the timed function | | Peak electricity | |
| | External heat source | External heat source output | | Water tank electric heater | Water tank electric heater output |
| | Solar signal | Solar signal input | | | |

# Wire Controller Operation Guidance

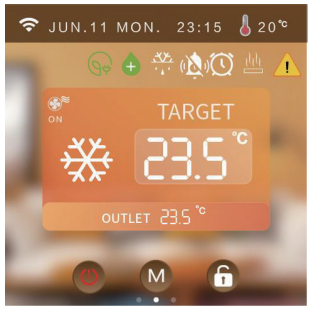
## Single/Double Zone

In the OFF state, Slide left on the main page - click "General" - click "Parameter" - enter password " 168" - click "N Parameters" -Scroll to page 3 and click on N26 to select single and double zone mode.



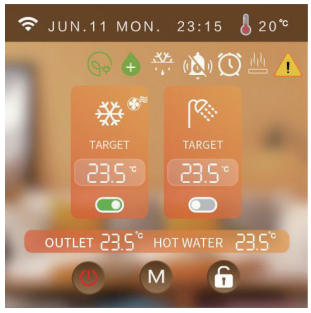
## No Hot Water in Single Zone

In the main interface, click " ⏻ " to switch on and off the machine, click " Ⓜ " to switch heating / cooling mode.



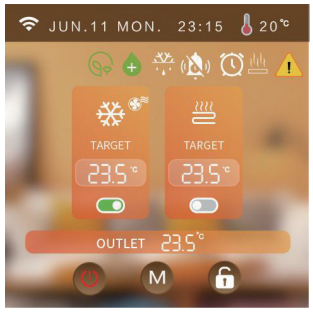

## Single Zone + Hot Water

a) When the unit is in the off state (A zone and hot water are in the off state), short press the " ⏻ " total on/off button, and all the A zone and hot water functions will be turned on.
b) When the A-zone is in the off state, click the " ⬭ " A-zone switch button, and the A-zone will be turned on.
c) Hot water in the off state, click " ⬭ " hot water switch button, hot water on.
d) With hot water function, the target temperature of hot water is displayed.
(**Note:** " ⬭ " stands for on, " ⬭ " stands for off)



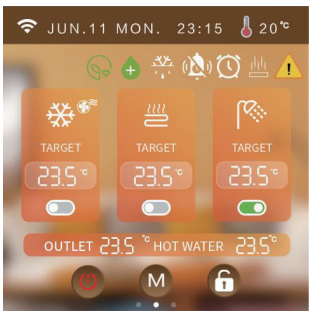

## No Hot Water in Double Zone

a) When the unit is in the off state (both zone A and zone B are in the off state), short press the " ⏻ " total on/off button, zone A and zone B will all be turned on.
b) When the A zone is in the off state, click the " ⬭ " A zone switch button, and the A zone will be turned on.
c) Zone B is in the off state, click the " ⬭ " B zone switch button, B zone power on.
d) Zone A is in cooling mode, Zone B (floor heating) can not be turned on.
f) No hot water function, does not display the target temperature of hot water.




## Double Zone + Hot Water

a) When the unit is in the off state (both zone A and zone B are in the off state), short press the " ⏻ " total on/off button, zone A and zone B will all be turned on.
b) When the A zone is in the off state, click the " ⬭ " A zone switch button, and the A zone will be turned on.
c) Zone B is in the off state, click the " ⬭ " B zone switch button, B zone on
d) Zone A is in cooling mode, Zone B (floor heating) can not be turned on.
e) Mode icon dynamically displayed on behalf of the compressor on, static means the compressor off.
f) No hot water function, the target temperature of hot water is not displayed.

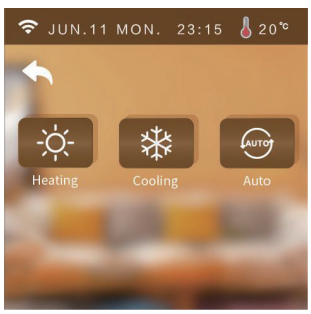



## | Lock/Unlock Function

At the main interface, press "🔓" to lock/unlock.

## | Setting Mode

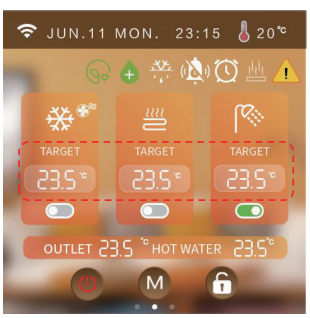
At the main interface, short press " " mode key to jump to the corresponding interface according to the current mode supported by the unit.
For example, when the unit supports cooling and heating modes, short press the " " mode key to enter the mode setting: cooling, heating, automatic.




**Note:** Enter the password "168" in "Parameter" and set the heating & cooling type by modifying N02.

## | Setting Target Temperature

According to the main page display mode status setting, click on the target temperature to set the desired target temperature.




## | Setting Target Temperature

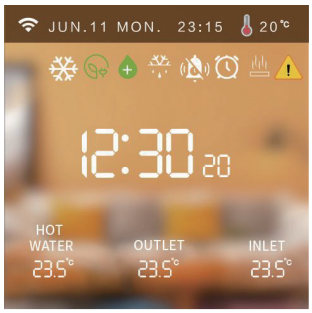
**1) TURN ON THE SCREEN SAVER**

In all interfaces, for 60s without touching the screen, the screen brightness will automatically drop to 20% brightness, for 6min without touching the screen, the wire controller automatically jump to the screensaver interface, for 8min without touching the screen, the wire controller into a hibernation state.
Hibernation state, click on the screen wire controller bright screen display is still screensaver interface (only bright screen does not perform other actions).
The brightness of the controller 20% state: click on the screen controller brightness increased to 100% (Only bright screen does not perform other actions, and does not switch the interface.)

**2) TURN OFF THE SCREEN SAVER FUNCTION**

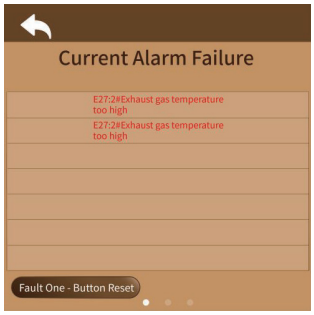
In all interfaces, for 60s without touching the screen, the screen brightness will automatically drop to 20% brightness, for 6min without touching the screen, the wire controller into the hibernation state.

hibernation state, click on the screen controller bright screen display back to the main interface (Only bright screen does not perform other actions).
The brightness of the controller is 20%: click on the screen to increase the brightness of the controller to 100% (Only bright screen does not perform other actions, and does not switch the interface).




## Unit Operating Range

When the unit has a fault, the main interface fault icon flashes, click " " to check the fault content of the current unit.
Click " Fault one-button reset" to reset the fault.

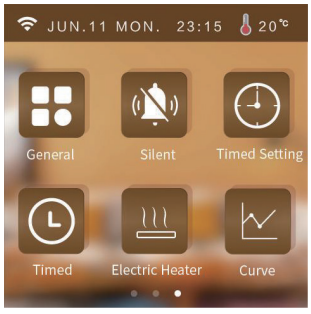



## Check Parameter Status

At the main interface, swipe from left to right to view the current operating status.
(When the temperature sensor fails, "-.-" will be displayed on the screen.)

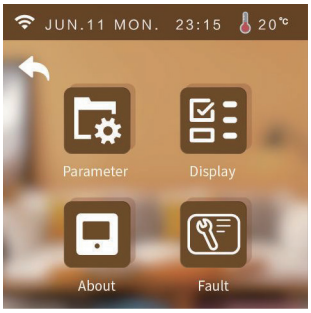

## Parameter Setting Interface

At the main interface, swipe from right to left to view the settings interface.



## Setting Interface

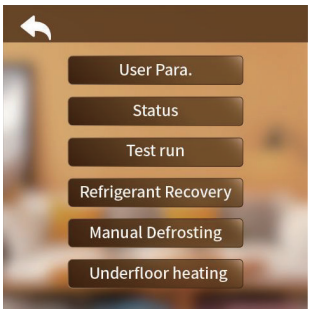
At the setting interface, press “ ” to enter the system parameter interface.




### 1) CUSTOMER MANAGEMENT INTERFACE

a) At the system parameter interface, press “ ” and input the password “400866” to enter the restore default setting interface.

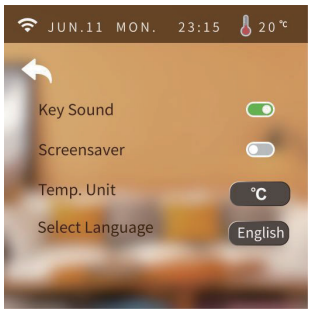
b) At the system parameter interface, press “ ” and input the password “168” to enter the customer management interface.




- **User parameter**
  Press “User Para” to set the user parameter.
- **Status**
  Press "Status" to view the system status of the unit.
- **Test run**
  Press "Test run" for test run of unit function.
- **Manual Defrosting**
  a) Enter the Customer Parameters interface; (see "Customer Parameters Interface" for details.)
  b) Click on "Manual Defrosting".
  c) Select the module to be defrosted by yourself.
  (The content of the displayed modules is determined by the "Number of modules" parameter, e.g. if the number of modules is 2, the current number of defrosting modules can be set to 2.)
- **Underfloor Heating**
  Press "Underfloor Heating" to set the floor heating preheat function.

### 2) DISPLAY INTERFACE

At the system parameter interface, press “ ” to enter the display interface.

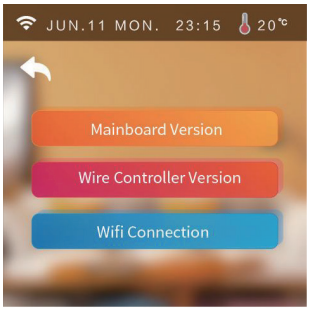



- **Key sound**
  a) When sound is on: the buzzer sounds when the screen is tapped.
  b) When sound is off: the buzzer does not sound when the screen is tapped.
- **Screen Protection**
  Details can be found in page 6.

- **Unit of Temp.**
  Each time the temperature unit is switched, the wire controller enters the read parameter interface and re-reads all the advanced parameters, returning to the setting interface after 20s.
- **Switch Language**
  Press "Switch Language" to switch the language.

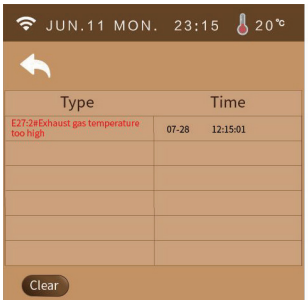
**3) INFORMATION INTERFACE**

At the system parameter interface, press “ ” to enter the information interface.




**4) HISTORY FAULT**

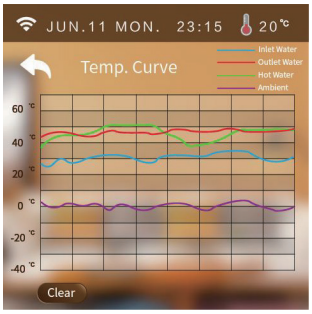
At the system parameter interface, press “ ” and then input “168” to enter the history fault interface.




## | Curve

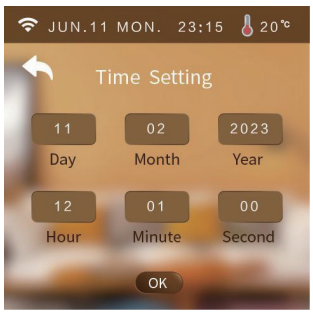
At the setting interface, press “ ”to enter the curve interface.

- Every 20min to collect temp. data, every 1h to save the data. If less than 1h, the data within this period will not be saved.
- The temp. curve is with power-down memory function.



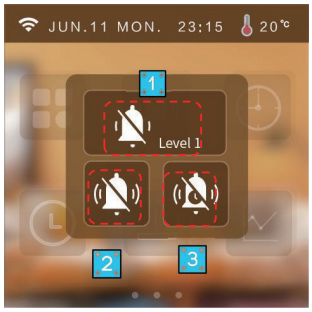

## | Time Setting

At the setting interface, press “ ” to enter the time setting interface. While the unit is℃, the time setting page is as follows:




## Manual Mute

In the settings screen, press " " enter the mute function .




**1) MUTE LEVEL**

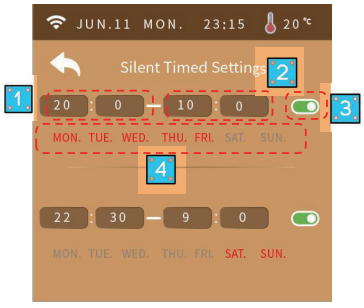
Level 1: Indicates that the unit is currently in the first level of silence.
Level 2 : Indicates that the unit is currently in secondary silence.

**2) MUTE MODE**

: Indicates that the unit is not currently muted.
: Indicates that the unit is currently muted.

**3) TIMER MUTE**

Press " " to enter the timer mute setting interface.



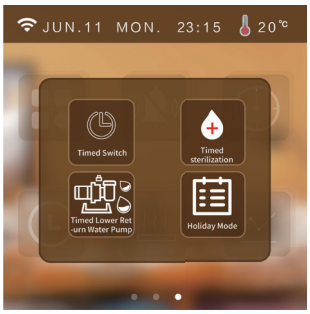

1 Mute setting start time
2 Mute setting end time
3 While the mute setting is valid, the background is green;
4 While the mute setting is invalid, the background is gray.
5 Press MON~SUN to choose which day to be valid for the timer. The day will become red after pressing.

**Note:** If timed on time is equal to timed off time, the segment cannot take effect.
If timing is not on or the timing on week is not selected, the segment of timing cannot take effect.
If the timings are set to cross, the opening time or end time will be executed according to the earliest time.

## Timed Function

**1) TIMED ON/OFF SETTING**

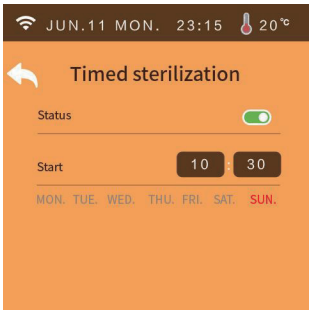
At the setting interface, click " " and then click "Timer Switch" to enter the Timer ON/OFF setting interface.



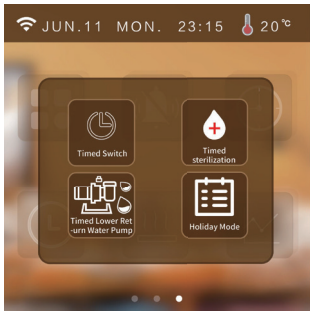

" " indicates that the timer switch function is on," " indicates that the timer switch function is not on," " indicates that the unit does not have a timer on/off function.
Note:If timed on time is equal to timed off time, the segment cannot take effect.
If timing is not on or the timing on week is not selected, the segment of timing cannot take effect.
If the timings are set to cross, the opening time or end time will be executed according to the earliest time.

### 2) TIMED STERILIZATION FUNCTION

At the setting interface, press " " in the settings screen, then press"Timed Sterilization" Enter the timed sterilization function.
Click on the button to turn on the sterilization function ( stands for sterilization on, stands for sterilization off.)
For example, the sterilization function is on and the timer function is also in effect, which turns on at 10.30am on Sunday morning.



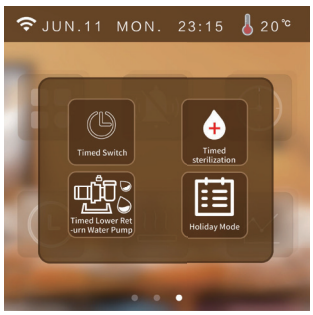

Operating conditions:Turn on sterilization parameters(G01).




" " indicates that the timer sterilization function is on, " " indicates that the timer sterilization function is off, " " indicates that the unit does not have the timer sterilization function.
Note:Timing is on for the day of the week, otherwise the timing will not work.

### 3) TIMED TURN-ON LOWER RETURN PUMP

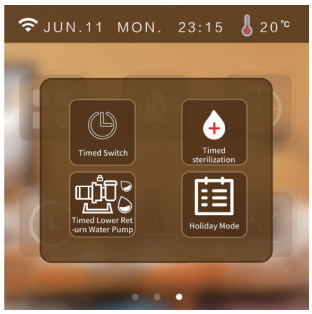
At the setting interface, press " " in the settings screen, then press"Timed on return pump" enter the timed turn-on of the lower return pump.
**Operating conditions:**Turn on the lower return pump parameters(N21 and P08) .




" "indicates that the timed pump-down function is enabled, " "indicates that the timed pump-down function is not enabled, " " indicates that the unit does not have a timed pump-down function.

#### 4) HOLIDAY MODE

At the setting interface, press " " in the settings screen, then press " " select holiday mode.
**Operating conditions:** The heating mode of the unit is enabled, otherwise it cannot enter the holiday mode.



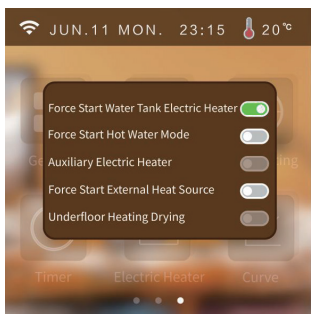

" "indicates that the timed holiday function is enabled, " "indicates that the timed holiday function is not enabled, " " indicates that the unit does not have the timed holiday function.

**Note:** When holiday leave home mode and holiday at home mode are turned on at the same time, holiday leave mode is the highest authority. Holiday enter when executing the holiday mode when executing the target temperature, exit holiday mode to execute the normal setting target temperature, enter the holiday mode when not allowed to operate the line controller, operation of the line controller will pop-up window whether to exit the holiday mode.

#### USE SCENARIOS

a) Holiday at home mode: you can set the indoor temperature and water temperature for each time period (for example: the temperature is colder in the early morning you can set a period of time to set the target temperature higher, the temperature is more suitable at noon you can set a period of time to set the target temperature lower, the temperature drops in the evening set a period of time to set the target temperature higher).
b) Holiday leave mode: when no one lives at home, you can keep the room a minimum temperature operation.

## Heating Function




#### 1) FORCE START WATER TANK ELECTRIC HEATER

At the setting interface, press " " to enter the electric heater interface.Select ON/OFF.
**Operating conditions:**
a) The unit is turned on the hot water function and the current operation contains hot water mode.
b) If the hot water temperature of the unit > the target temperature of hot water, the hot water

temperature of the unit < the target temperature of hot water - the hot water Temp. difference
c) Unit hot water temperature < hot water target temperature - 1°
d) The electric tank heating function is enabled.
e) If one of the conditions a-d is not met, the electric heater cannot be forced on.

**2）FORCE START HOT WATER MODE**

At the setting interface, press " " to enter the hot water mode interface.Select ON/OFF.
Operating conditions:
The unit turns on the hot water function, otherwise it cannot be turned on to forced hot water mode.

**3）FORCE START EXTERNAL HEAT SOURCE**

At the setting interface, press " " to enter the external heat source interface.Select ON/OFF.
Operating conditions:
The unit turns on the external heat source(parameter M40 and N37), otherwise it cannot be turned on to forced external heat source mode.

**4）UNDERFLOOR HEATING DRYING**

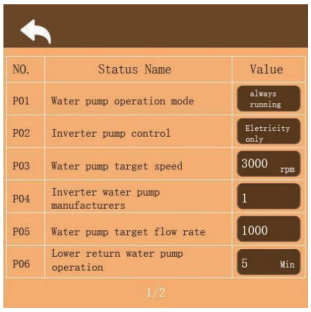
At the setting interface, press " " to enter the underfloor heating drying interface.Select ON/OFF.
**Operating conditions:**
The unit underfloor heating inlet temperature sensor on, otherwise the underfloor heating drying function cannot be switched on.

## Preheat Function

a) When the machine enters the warm-up mode, the main page " " flashes
b) Quick warm-up
In the main interface, click " " will pop-up window, select "Fast" to enter the fast warm-up function, fast warm-up time is 10min, click the blank position to return to the main interface.
c) Exit the warm-up function.
In the main interface, click " " will pop-up window, select "Cancel" to directly exit the warm-up function; click on the blank position to return to the main interface.

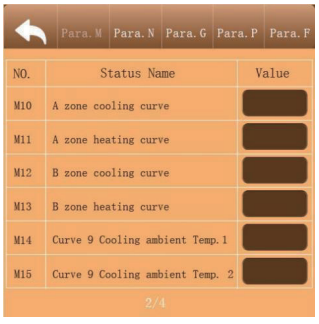
## Water Pump Operation Mode

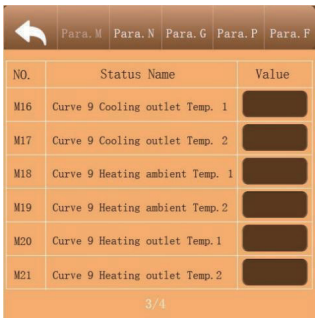
At the system parameter interface, press " " and input the password "168" to enter the customer management interface. Click P01 parameter to modify the pump operation mode.You can choose Always running / intermittent operation / stop temp. Reached.




## Climate Curve

At the system parameter interface, press " " and input the password "168" to enter the customer management interface. Setting parameters M10-M21.




**1. COOLING CLIMATE CURVE**

a) Users can choose to enable any one curve according to the following table.

b) Users can set the curve parameters by themselves, set the parameters as follows: Curve 9 Cooling Ambient Temp.1, Curve 9 Cooling Ambient Temp.2,Curve 9 Cooling Outlet Temp.1,Curve 9 Cooling Outlet Temp.2.(The target temperature value is calculated according to the linear relationship y=kx+b.)

| Ambient Temp | -10≤TA<15 | 15≤TA<22 | 22≤TA<30 | 30≤TA |
|---|---|---|---|---|
| **Low Temp.1** | 16 | 11 | 8 | 5 |
| **Low Temp.2** | 17 | 12 | 9 | 6 |
| **Low Temp.3** | 18 | 13 | 10 | 7 |
| **Low Temp.4** | 19 | 14 | 11 | 8 |
| **Low Temp.5** | 20 | 15 | 12 | 9 |
| **Low Temp.6** | 21 | 16 | 13 | 10 |
| **Low Temp.7** | 22 | 17 | 14 | 11 |
| **Low Temp.8** | 23 | 18 | 15 | 12 |
| **High Temp.1** | 20 | 18 | 17 | 16 |
| **High Temp.2** | 21 | 19 | 18 | 17 |
| **High Temp.3** | 22 | 20 | 19 | 17 |
| **High Temp.4** | 23 | 21 | 19 | 18 |
| **High Temp.5** | 24 | 21 | 20 | 18 |
| **High Temp.6** | 24 | 22 | 20 | 19 |
| **High Temp.7** | 25 | 22 | 21 | 19 |
| **High Temp.8** | 25 | 23 | 21 | 20 |

## 2. HEATING CLIMATE CURVE

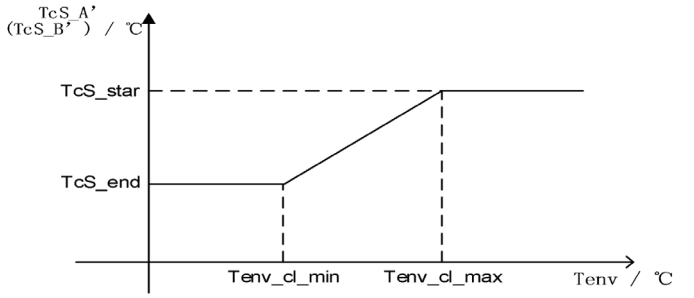
a) Users can choose to enable any one curve according to the following table.
b) Users can set the curve parameters by themselves, set the parameters as follows: Curve 9 Heating Ambient Temp.1, Curve 9 Heating Ambient Temp.2,Curve 9 Heating Outlet Temp.1,Curve 9 Heating Outlet Temp.2.(The target temperature value is calculated according to the linear relationship y=kx+b.)

| Ambient Temp. | ≤ -20 | -19 | -18 | -17 | -16 | -15 | -14 | -13 | -12 | -11 | -10 | -9 | -8 | -7 | -6 | -5 | -4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Low Temp.1** | 38 | 38 | 38 | 38 | 38 | 37 | 37 | 37 | 37 | 37 | 37 | 36 | 36 | 36 | 36 | 36 | 36 |
| **Low Temp.2** | 37 | 37 | 37 | 37 | 37 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 35 | 35 | 35 | 35 | 35 |
| **Low Temp.3** | 36 | 36 | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 33 |
| **Low Temp.4** | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 32 | 32 |
| **Low Temp.5** | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 31 | 31 |
| **Low Temp.6** | 32 | 32 | 32 | 32 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 |
| **Low Temp.7** | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 |
| **Low Temp.8** | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 | 27 | 27 | 27 | 27 |
| **High Temp.1** | 55 | 55 | 55 | 55 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 53 | 53 | 53 | 53 | 53 |
| **High Temp.2** | 53 | 53 | 53 | 53 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 51 | 51 | 51 | 51 | 51 |
| **High Temp.3** | 52 | 52 | 52 | 52 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 50 | 50 | 50 | 50 | 50 |
| **High Temp.4** | 50 | 50 | 50 | 50 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 48 | 48 | 48 | 48 | 48 |
| **High Temp.5** | 48 | 48 | 48 | 48 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 46 | 46 | 46 | 46 | 46 |
| **High Temp.6** | 45 | 45 | 45 | 45 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 43 | 43 | 43 | 43 | 43 |
| **High Temp.7** | 43 | 43 | 43 | 43 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 41 | 41 | 41 | 41 | 41 |
| **High Temp.8** | 40 | 40 | 40 | 40 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 38 | 38 | 38 | 38 | 38 |
| Ambient Temp. | **-3** | **-2** | **-1** | **0** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | 13 |
| **Low Temp.1** | 35 | 35 | 35 | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 33 |
| **Low Temp.2** | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 32 | 32 | 32 | 32 | 32 |
| **Low Temp.3** | 33 | 33 | 33 | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 31 | 31 | 31 | 31 | 31 | 31 | 30 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Low Temp.4** | 32 | 32 | 32 | 32 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 29 |
| **Low Temp.5** | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 29 | 28 |
| **Low Temp.6** | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 28 | 28 | 28 | 27 |
| **Low Temp.7** | 29 | 29 | 29 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 | 27 | 27 | 27 | 27 | 27 | 26 |
| **Low Temp.8** | 27 | 27 | 27 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 25 | 25 | 25 | 25 | 25 |
| **High Temp.1** | 53 | 53 | 53 | 53 | 53 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 51 | 51 | 51 | 51 |
| **High Temp.2** | 51 | 51 | 51 | 51 | 51 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 49 | 49 | 49 | 49 |
| **High Temp.3** | 50 | 50 | 50 | 50 | 50 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 48 | 48 | 48 | 48 |
| **High Temp.4** | 48 | 48 | 48 | 48 | 48 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 46 | 46 | 46 | 46 |
| **High Temp.5** | 46 | 46 | 46 | 46 | 46 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 44 | 44 | 44 | 44 |
| **High Temp.6** | 43 | 43 | 43 | 43 | 43 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 41 | 41 | 41 | 41 |
| **High Temp.7** | 41 | 41 | 41 | 41 | 41 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 39 | 39 | 39 | 39 |
| **High Temp.8** | 38 | 38 | 38 | 38 | 38 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 36 | 36 | 36 | 36 |

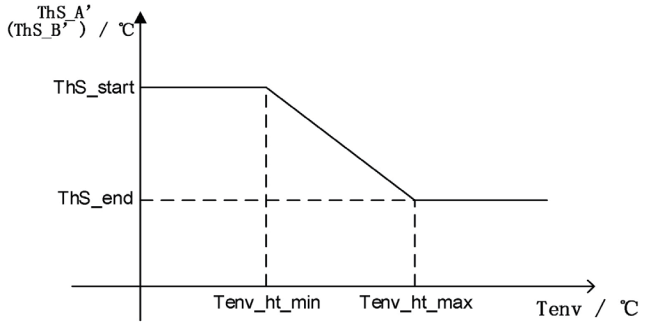
| Ambient Temp. | 14 | 15 | 16 | 17 | 18 | 19 | ≥ 20 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Low Temp.1** | 33 | 32 | 32 | 32 | 32 | 32 | 32 | | | | | | | | | |
| **Low Temp.2** | 32 | 31 | 31 | 31 | 31 | 31 | 31 | | | | | | | | | |
| **Low Temp.3** | 30 | 30 | 30 | 30 | 30 | 29 | 29 | | | | | | | | | |
| **Low Temp.4** | 29 | 29 | 29 | 29 | 29 | 28 | 28 | | | | | | | | | |
| **Low Temp.5** | 28 | 28 | 28 | 28 | 28 | 27 | 27 | | | | | | | | | |
| **Low Temp.6** | 27 | 27 | 27 | 27 | 27 | 26 | 26 | | | | | | | | | |
| **Low Temp.7** | 26 | 26 | 26 | 26 | 26 | 25 | 25 | | | | | | | | | |
| **Low Temp.8** | 25 | 25 | 24 | 24 | 24 | 24 | 24 | | | | | | | | | |
| **High Temp.1** | 51 | 51 | 50 | 50 | 50 | 50 | 50 | | | | | | | | | |
| **High Temp.2** | 49 | 49 | 48 | 48 | 48 | 48 | 48 | | | | | | | | | |
| **High Temp.3** | 48 | 48 | 47 | 47 | 47 | 47 | 47 | | | | | | | | | |
| **High Temp.4** | 46 | 46 | 45 | 45 | 45 | 45 | 45 | | | | | | | | | |
| **High Temp.5** | 44 | 44 | 43 | 43 | 43 | 43 | 43 | | | | | | | | | |
| **High Temp.6** | 41 | 41 | 40 | 40 | 40 | 40 | 40 | | | | | | | | | |
| **High Temp.7** | 39 | 39 | 38 | 38 | 38 | 38 | 38 | | | | | | | | | |
| **High Temp.8** | 36 | 36 | 35 | 35 | 35 | 35 | 35 | | | | | | | | | |

**Custom Curve——Cooling**




Tenv_cl_max: MAX(【Custom Curve of Cooling Ambient Temp.1】, 【Custom Curve of Cooling Ambient Temp.2】)
Tenv_cl_min: MIN(【Custom Curve of Cooling Ambient Temp.1】, 【Custom Curve of Cooling Ambient Temp.2】)
TcS_end: MIN(【Custom Curve of Cooling Outlet Temp. 1】, 【Custom Curve of Cooling Outlet Temp. 2】)
TcS_start: MAX(【Custom Curve of Cooling Outlet Temp. 1】, 【Custom Curve of Cooling Outlet Temp. 2】)

**Custom Curve——Heating**




Tenv_cl_max: MAX(【Custom Curve of Heating Ambient Temp. 1】, 【Custom Curve of Heating Ambient Temp. 2】)
Tenv_cl_min: MIN(【Custom Curve of Heating Ambient Temp. 1】, 【Custom Curve of Heating Ambient Temp. 2】)
TcS_end: MIN(【Custom Curve of Heating Outlet Temp.1】, 【Custom Curve of Heating Outlet Temp.2】)
TcS_start: MAX(【Custom Curve of Heating Outlet Temp.1】, 【Custom Curve of Heating Outlet Temp.2】)

# Appendix

## | Parameters

**Note:** Parameters can only be modified when the unit is powered off, otherwise the parameters cannot be modified successfully.

| Code | Parameter | Unit | Range |
|---|---|---|---|
| N01 | Power Mode | / | 0 Standard/1 Powerful/2 Eco/3 Auto |
| N02 | Heating & Cooling Type | / | 0 Heating only/1 Heating & Cooling / 2 Cooling only |
| N04 | Four-Way Valve Setting | / | 0 Heating open valve/1 Cooling open valve |
| N05 | Wire control switch type | / | 0 Toggle switch/1 Pulse switch |
| N06 | Unit Start/Stop Control | / | 0 Union/1 Remote/2 Local/3 Wire Control/4 Net control |
| N07 | Power Down Memory | / | 0 Disable/1 Enable |
| N08 | Incoming Power Self-Start | / | 0 Disable/1 Enable |
| N11 | Hot Water Function | / | 0 Disable/1 Enable |
| N20 | Tank Electric Heating | / | 0 Disable/1 Enable |
| N21 | Lower Return Pump | / | 0 Disable/1 Enable |
| N22 | Solar | / | 0 Disable/1 Enable |
| N23 | Linkage Switch Setting | / | 0 Disable/1 Linkage Action is Valid/2 Linkage Closure is Valid/3 Power ON/OFF via Wire Controller/off/4 Control DHW Electric Heater via Wire Controller/5 Control External Heat Source via Wire Controller |
| N26 | Wire Controller Control Type | / | 0 Single Zone/ 2 Double Zone |
| N32 | Smart Grid | / | 0 Disable/1 Enable |
| N36 | Underfloor Heating Inlet Temp. Sensor | / | 0 Disable/1 Enable |
| N37 | System Total Outlet Water Temp. Sensor | / | 0 Disable/1 Enable |
| N38 | EVU PV Signal | / | 0 Normally open/1 Normally closed |
| N39 | SG Grid Signal | / | 0 Normally open/1 Normally closed |
| N41 | Solar Temp. Sensor | / | 0 Disable/1 Enable |

| | | | |
|---|---|---|---|
| N48 | Zone A cooling end | / | 0 Radiator/ 1 Fan Coil/ 2 Underfloor Heating |
| N49 | Zone A heating end | / | 0 Radiator/ 1 Fan Coil/ 2 Underfloor Heating |
| M01 | Cooling Setting Temp. | ℃ | 15～35 |
| M02 | Heating Setting Temp. | ℃ | 0～85 |
| M03 | Hot Water Setting Temp. | ℃ | 0～80 |
| M08 | Heating Setting Temp.(B) | ℃ | 40～60 |
| M10 | A Zone Cooling Curve | / | 0 Disable/ 1 Low Temp. Curve 1/ 2 Low Temp. Curve 2/ 3 Low Temp. Curve 3/4 Low Temp. Curve 4/ 5 Low Temp. Curve 5/ 6 Low Temp. Curve 6/ 7 Low Temp. Curve 7/ 8 Low Temp. Curve 8/ 9 High Temp. Curve 1/ 10 High Temp. Curve 2/ 11 High Temp. Curve 3/ 12 High Temp. Curve 4/ 13 High Temp. Curve 5/ 14 High Temp. Curve 6/ 15 High Temp. Curve 7/ 16 High Temp. Curve 8/ Custom Curve |
| M11 | A Zone Heating Curve | / | 0 Disable/ 1 Low Temp. Curve 1/ 2 Low Temp. Curve 2/ 3 Low Temp. Curve 3/4 Low Temp. Curve 4/ 5 Low Temp. Curve 5/ 6 Low Temp. Curve 6/ 7 Low Temp. Curve 7/ 8 Low Temp. Curve 8/ 9 High Temp. Curve 1/ 10 High Temp. Curve 2/ 11 High Temp. Curve 3/ 12 High Temp. Curve 4/ 13 High Temp. Curve 5/ 14 High Temp. Curve 6/ 15 High Temp. Curve 7/ 16 High Temp. Curve 8/ Custom Curve |
| M12 | B Zone Cooling Curve | / | 0 Disable/ 1 Low Temp. Curve 1/ 2 Low Temp. Curve 2/ 3 Low Temp. Curve 3/4 Low Temp. Curve 4/ 5 Low Temp. Curve 5/ 6 Low Temp. Curve 6/ 7 Low Temp. Curve 7/ 8 Low Temp. Curve 8/ 9 High Temp. Curve 1/ 10 High Temp. Curve 2/ 11 High Temp. Curve 3/ 12 High Temp. Curve 4/ 13 High Temp. Curve 5/ 14 High Temp. Curve 6/ 15 High Temp. Curve 7/ 16 High Temp. Curve 8/ Custom Curve |
| M13 | B Zone Heating Curve | / | 0 Disable/ 1 Low Temp. Curve 1/ 2 Low Temp. Curve 2/ 3 Low Temp. Curve 3/4 Low Temp. Curve 4/ 5 Low Temp. Curve 5/ 6 Low Temp. Curve 6/ 7 Low Temp. Curve 7/ 8 Low Temp. Curve 8/ 9 High Temp. Curve 1/ 10 High Temp. Curve 2/ 11 High Temp. Curve 3/ 12 High Temp. Curve 4/ 13 High Temp. Curve 5/ 14 High Temp. Curve 6/ 15 High Temp. Curve 7/ 16 High Temp. Curve 8/ Custom Curve |
| M14 | Custom Curve of Cooling Ambient Temp.1 | ℃ | -5～46 |
| M15 | Custom Curve of Cooling Ambient Temp. 2 | ℃ | -5～46 |
| M16 | Custom Curve of Cooling Outlet Temp. 1 | ℃ | 5～25 |
| M17 | Custom Curve of Cooling Outlet Temp. 2 | ℃ | 5～25 |
| M18 | Custom Curve of Heating Ambient Temp. 1 | ℃ | -25～35 |
| M19 | Custom Curve of Heating Ambient Temp.2 | ℃ | -25～35 |
| M20 | Custom Curve of Heating Outlet Temp.1 | ℃ | 25～65 |
| M21 | Custom Curve of Heating Outlet Temp.2 | ℃ | 25～65 |
| M35 | Min. Ambient Temp.of Automatic Cooling | ℃ | 20～29 |
| M36 | Max. Ambient Temp.of Automatic Cooling | ℃ | 10～17 |

| | | | |
|---|---|---|---|
| M37 | Holiday away Home Heating | ℃ | 20～25 |
| M38 | Holiday away Home Hot Water | ℃ | 20～25 |
| M39 | Auxiliary Electric Heater | / | 0 Disable/1 Heating only/2 Hot water only/3 Heating & Hot water |
| M40 | External Heat Source | / | 0 Disable/1 Heating only/2 Hot water only/3 Heating & Hot water |
| M55 | Underfloor Heating Preheating Temp. | ℃ | 25～35 |
| M56 | Underfloor Heating Preheating Interval | Min | 10～40 |
| M57 | Underfloor Heating Preheating Time | H | 48～96 |
| M58 | Underfloor Heating Water Temp. Return Difference | ℃ | 0～10 |
| M59 | Underfloor Heating Room Temp. Return Difference | ℃ | 0～10 |
| M60 | Underfloor Heating Before Drying | DAY | 4～15 |
| M61 | Underfloor Heating During Drying | DAY | 3～7 |
| M62 | Underfloor Heating After Drying | DAY | 4～15 |
| M63 | Underfloor Heating Drying Temp. | ℃ | 30～55 |
| F06 | Variable Frequency Fan Speed Adjustment | / | 0 Manual/1 Ambient Temp. Linear/2 Fin Temp. Linear |
| F07 | Fan Manual Operation | rps | 0～2000 |
| P01 | Water Pump Operation Mode | / | 0 Keep Running/1 Stop When Temp. Reached/2Intermittent Operation |
| P02 | Water Pump Control Type | / | 1 Control Speed/2 Control Flow Rate/3 ON/OFF/4 Control Power |
| P03 | Water Pump Target Speed | rpm | 1000～4500 |
| P04 | Water Pump Manufacturers | / | 0～4 |
| P05 | Water Pump Target Flow Rate | undefined | 0～4500 |
| P06 | Lower Return Water Pump Operation | Min | 5～120 |
| P07 | Lower Return Water Pump Sterilization | / | 0 Disable/1 Enable |
| P08 | Lower Return Water Pump Timed | / | 0 Disable/1 Enable |
| G01 | Timed Sterilization Function | / | 0 Disable/1 Enable |
| G02 | Sterilization Temp. | ℃ | 60～70 |
| G03 | Sterilization Max. cycle | Min | 90～300 |
| G04 | Sterilization high Temp. time | Min | 5~60 |

## Error code

| Code | Description | Causes | Solutions |
|---|---|---|---|
| E01 | Wire controller communication fault | 1.The connection between wire controller and main board is poor.<br>2. Wire controller fault.<br>3. Main board fault.<br>4. Communication wire and strong electricity wire put together, resulting in power interference communication | 1. Reconnect the wire controller cable.<br>2. Replace the wire controller.<br>3. Replace the main board.<br>4. Communication wire is placed separately from the strong electricity wire. |

| | | | |
|---|---|---|---|
| E03 | 0#Compressor high pressure | 1. Check for refrigerant leaks<br>2. The throttle device is dirty and blocked, damaged<br>3. Compressor bearing damage, causing mechanical part friction, exhaust temperature rise<br>4. High pressure switch fault<br>5. Main board fault<br>6. Compressor fault | 1.Refill refrigerant<br>2.Clean/replace throttle device<br>3.Replace compressor<br>4.Replace the high pressure switch<br>5.Replace the main board<br>6.Replace the compressor |
| E04 | 0#Compressor low pressure | 1.Insufficient water flow<br>2.Low chilled water inlet water temperature<br>3.Refrigerant leakage or insufficient refrigerant charge<br>4.Scale in evaporator | 1.Check the temperature difference between the inlet and outlet water and adjust the water flow<br>2.Check the installation<br>3.Leak detection or filling with sufficient refrigerant<br>4.Remove water scale |
| E06 | 0#Inverter communication fault | 1. Power supply voltage fault<br>2. Inverter board fault<br>3. Main board fault | 1. Replace the power cord<br>2. Replace the inverter board<br>3.Replace the main board |
| E06 | 0#Communication fault | 1. Communication lines and strong wires placed together, resulting in communication power interference<br>2. Poor connection between the module machine and the main board.<br>3. Main board fault | 1.Communication wire is placed separately from the strong electricity wire.<br>2.Reconnect the wires<br>3.Replace the main board. |
| E10 | Floor heating water inlet temperature fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E11 | Total outlet water temperature fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E11 | System total outlet water temperature fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E11 | 0#Plate exchanger outlet water Temp. fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E11 | 0# Total water outlet Temp. fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E12 | Hot water tank temperature fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E12 | Buffer tank upper temperature fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E12 | Buffer tank lower temperature fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1..Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E13 | Indoor temperature fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E14 | 0# Ambient Temp. fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E16 | 0#Exhaust temperature fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E21 | EEPROM data error | Data reading error | Shutdown and restart |
| E21 | 0#EEPROM data error | | |

| | | | |
|---|---|---|---|
| E24 | 0#High plate return water temperature | 1.Whether the wiring is loose/ damaged<br>2.Heat exchanger is blocked<br>3.Temperature sensor fault<br>4.Main board fault | 1.Rewiring/replacement of wires<br>2.Cleaning of heat exchangers<br>3.Replace the temperature sensor<br>4.Replace the main board |
| E24 | 0#Plate Inlet Water Temp. too High | 1. Low water flow<br>2. Clogged water pipes<br>3. Water pipe damage<br>4. Sensor fault | 1. Clear the blockage<br>2. Check whether the water flow of the pump meets the requirements<br>3. Replace the water pipe<br>4. Replace the sensor |
| E25 | 0#Cooling Evaporation is Too Low | | |
| E25 | 0#Plate Exchanger Outlet Water Temp. Too Low | | |
| E25 | 0#Plate Inlet Water Temp. too Low | | |
| E26 | 0#Outlet and Inlet Water Temp. Difference Abnormal | | |
| E26 | 0#Outlet and Inlet Water Temp. Difference is Too Large | | |
| E27 | 0#Exhaust temperature too high | | |
| E31 | 0#J5 pressure sensor fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E32 | 0#J6 pressure sensor fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E44 | 0#Plate Exchanger Inlet Water Temp. Fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E55 | 0#Suction temperature fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E56 | Solar Temp. sensor fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E58 | 0#Coil Temp. Fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E59 | 0#Suction temperature too low | 1. Too much/too little refrigerant<br>2.Temperature sensor fault<br>3. Main board fault | 1.Refill the refrigerant according to the nameplate<br>2.Replace the temperature sensor<br>3.Replace the main board |

| | | | |
|---|---|---|---|
| E60 | 0#Frequent emergency defrost | 1. Ambient temperature sensor is damaged<br>2.Dirty and blocked heat exchanger<br>3. Lack of refrigerant | 1.Replace the ambient temperature sensor<br>2.Clean the heat exchanger<br>3.Refill the refrigerant according to the nameplate |
| E61 | 0#Abnormal Temp. difference between suction and exhaust | 1.Inlet and outlet water temp. sensor fault.<br>2.The valve in water system is not open.<br>3.Waterway blockage, may appear in the heat exchanger or valve part.<br>4.Improper water pump selection.<br>5.The water pump is broken.<br>6.Pipe size is too small.<br>7.Heat exchanger is fouling. | 1. Need to replace the temp. sensor.<br>2.Clean or replace the blocked part.<br>3.Change the pump according to the water flow and water head.<br>4.Need to change the water pipe.<br>5.Reset the water flow switch manually.<br>6.Choose the suitable pipe size.<br>7.Clean the dirt of the heat exchanger surface. |
| E62 | Fan coil communication fault 1-32 | 1. Connection cable fault<br>2. Power input fault<br>3. Main board fault | 1. Check wiring and rewire<br>2. Replace the power cord<br>3. Replace the main board |
| E63 | 0#Communication abnormal | 1. Communication lines and strong wires placed together, resulting in communication power interference<br>2. Poor connection between the module machine and the main board.<br>3. Main board fault | 1.Communication wire is placed separately from the strong electricity wire.<br>2.Reconnect the wires<br>3.Replace the main board. |
| E63 | 0#Internal and external machine communication fault | | |
| E64 | 0#Protocol version too low | Program error | Update procedure |
| E65 | 0#Abnormal model setting | 1. Main board code error<br>2. The program did not restore the factory settings | 1.Resetting the main board code<br>2.Re-download the program |
| E66 | System maintenance data error | System maintenance data error | Recovery parameters in parameter setting |
| E67 | Water Tank Electric Heater Overload | 1.Voltage input error<br>2.Water tank damage | 1.Check power supply wiring/ reconnect power supply voltage<br>2.Repair of water tank |
| E67 | 0#Auxiliary electric heater overload | | |
| E68 | 0# Insufficient water flow | 1.The water system is blocked<br>2.Water pump is not suitable<br>3. Water pipe is small<br>4.The water flow switch is stuck and cannot be reset. | 1.Check if the pump is running properly/Clean or replace the blocked part<br>2.Change the pump according to the water flow and water head<br>3.Need to change the water pipe<br>4.Reset the water flow switch manually. |
| E69 | 0# Refrigerant gas side Temp. fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| E70 | 0#Refrigerant liquid side Temp. fault | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| F16 | 0#Compressor low pressure too low | 1.Insufficient water flow<br>2.Low chilled water inlet water temperature<br>3.Refrigerant leakage or insufficient refrigerant charge<br>4.Scale in evaporator | 1.Check the temperature difference between the inlet and outlet water and adjust the water flow<br>2.Check the installation<br>3.Leak detection or filling with sufficient refrigerant<br>4.Remove water scale |
| F17 | 0#Compressor high pressure too high | 1. Less refrigerant<br>2.The throttle device is dirty and blocked, damaged<br>3. Compressor bearing damage, causing mechanical part friction, exhaust temperature rise<br>4.High pressure switch fault<br>5.Main board fault<br>6.Compressor fault | 1.Refill refrigerant<br>2.Clean/replace throttle device<br>3.Replace compressor<br>4.Replace the high pressure switch<br>5.Replace the main board<br>6.Replace the main board compressor |

| | | | |
|---|---|---|---|
| F61 | 0#Abnormal speed of fan 1 | 1.Loose connection cable<br>2.Unstable voltage<br>3. Main board fault<br>4. Fan fault | 1.Reconnect the motherboard and fan wiring<br>2. Replace the stable voltage<br>3. Replace the Main board<br>4. Replace the fan |
| F61 | 0#Abnormal speed of fan 2 | | |
| F62 | Fault of fan coil 01-32 | 1. Power input is not normal<br>2. Whether the fan coil is rotating<br>3. Whether the fan coil is blocked<br>4. The fan coil is damaged | 1. Reconnect the power supply<br>2. Check whether the motor is stuck<br>3. Clean the fan coil<br>4. Replace the fan coil |
| F63 | 0#Ambient Temp. Restricts compressor Opening | 1.Whether the wiring is loose/ damaged<br>2.Temperature sensor fault<br>3.Main board fault | 1.Rewiring/replacement of wires<br>2. Replace the temperature sensor<br>3. Replace the main board |
| F64 | 0#Inverter Fault | 1.Loose connection cable<br>2.Unstable voltage<br>3. Main board fault<br>4. Driver board fault | 1.Reconnect the wires<br>2. Replace the stable voltage<br>3. Replace the Main board<br>4. Replace the driver board fault |
| F65 | 0#Inverter Model Setting in Progress | 1. Loose connection cable<br>2. Pump fault<br>3. Inverter fault<br>4. Main board fault | 1. Reconnect the wires<br>2. Replace the pump<br>3. Replace the inverter<br>4. Replace the main board |
| F66 | 0#Inverter pump fault | 1.The water system is blocked.<br>2. Loose connection cable<br>3. Pump fault<br>4. Inverter fault<br>5. Main board fault | 1. Clean or replace the blocked part<br>2. Reconnect the wires<br>3. Replace the pump<br>4. Replace the inverter<br>5. Replace the main board |
| F66 | Inverter water pump fault | | |
| F66 | 0#Inverter pump warning [80%] | | |

# App Control

EcoFlow provides thorough support for the system. Both the end user and installer benefit from our comprehensive guides and resources.

## FOR INSTALLER

Streamline the commissioning process, monitor device status in real-time, access detailed troubleshooting solutions for system faults and also offer customer support from EcoFlow professional support team.

- EcoFlow Pro App Management

Scan the QR code or download at
https: //download.ecoflow.com/ecoflowproapp

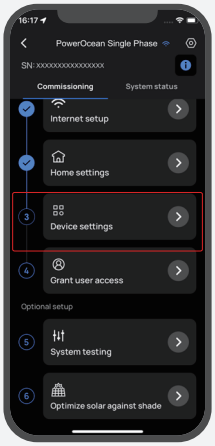
EcoFlow Pro

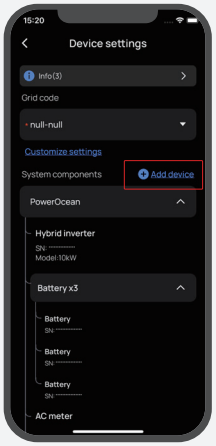
GET IT ON Google Play

Download on the App Store

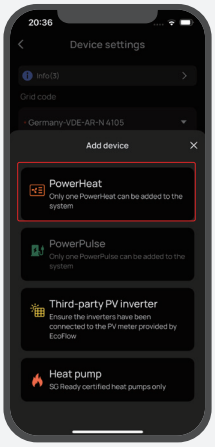
## Adding device to EcoFlow PowerOcean System

**1** Visit EcoFlow Pro App and go to the home page of the powerocean, then tap **ADD DEVICE** to integrate devices into this system, such as SG READY certified Heat Pump, PowerHeat or charging pile etc..

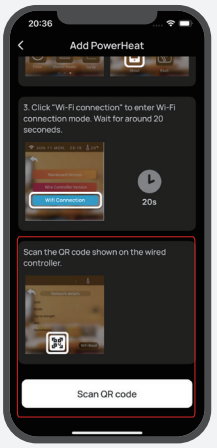


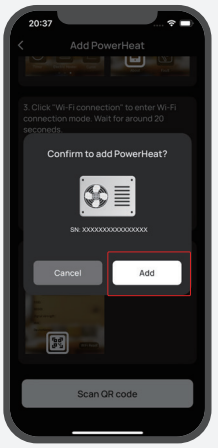



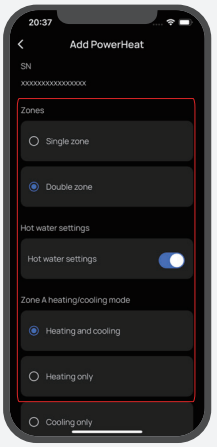

**2** Follow the in-App instructions to the bind the device.

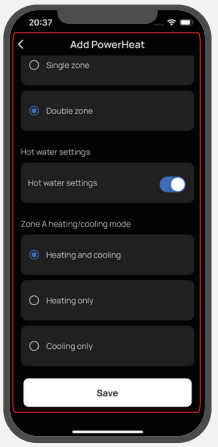


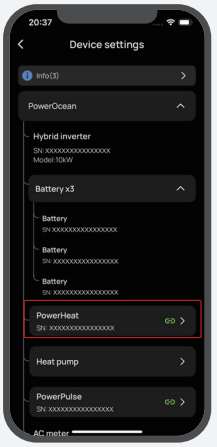




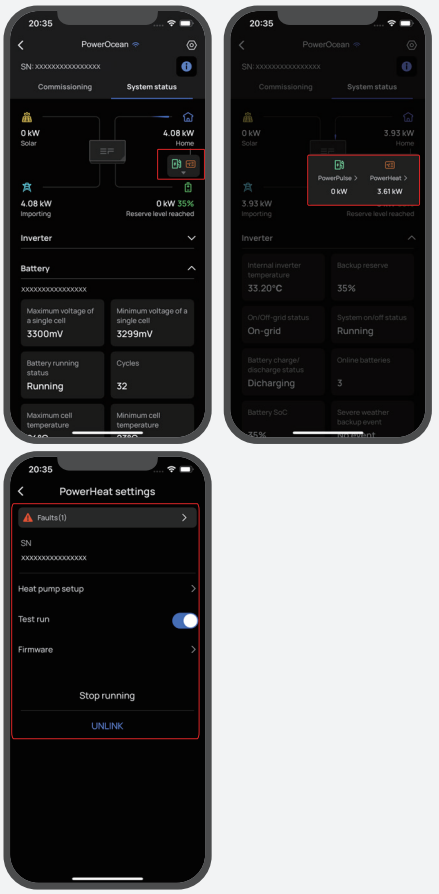




Successfully bound

## Device Settings

Swipe back to the home page of the powerocean, then find the successfully bound device to the system, then tap it to do relevant settings.




EcoFlow provides thorough support for the system. Both the end user and installer benefit from our comprehensive guides and resources.

### FOR END USER

Effortlessly manage, monitor, and control your PowerOcean devices through a sleek, user-friendly interface via app or web management. Access real-time energy data, detailed power generation, storage and energy bills savings anytime and anywhere. Professional technical support is also readily available when needed.

- EcoFlow App Management

  Scan the QR code or download at https://download.ecoflow.com/app

EcoFlow App

GET IT ON Google Play

Download on the App Store

### PRIVACY POLICY

By using EcoFlow Products, Applications and Services, you consent to the EcoFlow Term of Use and Privacy Policy, which you can access via the "About" section of the "User" page on the EcoFlow App or on the official EcoFlow website at ***https://www.ecoflow.com/policy/terms-of-use*** and ***https://www.ecoflow.com/policy/privacy-policy***

## Device Management

Users can access real-time energy data, detailed power generation, storage and energy bills savings anytime and anywhere, and effortlessly manage, monitor, and control your devices through EcoFlow App.


## Device Settings

Tap the icon ⚙ to setup your device.