EN

USER MANUAL

01 | 15-04-2024

YUKON R290 SERIES

WIRED CONTROLLER

SMHM-260P-3
SMHM-300P-3
SMHM-350P-3

S-THERM | sinclair HEAT PUMPS

IMPORTANT NOTE:

Read this manual carefully before installing or operating your new heat pump.
Make sure to save this manual for future reference.

CONTENTS

1 GENERAL SAFETY PRECAUTIONS

- This document is applicable only to the wired controller. Read this document and follow the instructions carefully before operating the wired controller.
- Always observe all the operating instructions.
- Hand these instructions and all other applicable documents to the end user.

⚠ WARNING

Follow the safety precautions in the INSTALLATION MANUAL for the correct use of the heat pump unit.

1.1 Safety Signs

Action-related warnings in the document:

⚠ WARNING

It indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.

NOTE

Additional information.

1.2 Notice to Users

If you are not sure how to operate the unit, contact your installer.

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge provided that they have been given supervision or instruction concerning the use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and maintenance shall not be made by children without supervision.
- The unit is marked with the following symbol:

This means that electrical and electronic products may not be mixed with unsorted household waste. Do not try to dismantle the system yourself. The dismantling of the system and the treatment of the refrigerant, oil and other parts must be done by an authorized installer and must comply with applicable legislation.

The unit 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.

- Working conditions of the wired controller.

Input voltage	18V DC
Operating temperature	-10 to 43°C
Humidity	≤RH90%

⚠ Troubleshooting of networking failures

When connecting the product to a network, please keep the product as close to your phone as possible.

At present, the product only supports 2.4 GHz band routers.

Special characters, such as punctuation and space, are not recommended as a part of the WLAN name.

The number of devices connecting to the same router should not exceed 10. Otherwise, the devices may be disconnected due to unstable signals.

If the password of the router or WLAN is changed, clear all settings and reset the appliance.

The contents of APP might change in version updates and actual operation shall prevail.

WIFI information

WIFI transmission frequency range: 2.400~2.4835 GHz

EIRP ≤ 20 dBm

2 DOCUMENTATION

This document is part of a documentation set. The complete set consists of:

- **Installation Manual**

Brief installation instructions

Format: paper (included with the outdoor unit)

- **Installation, Operation and Maintenance Manual**

Preparation for installation, good practices (more information contained, for installers and advanced users only)

Format: digital file. Scan the QR code on the right

- **Operation Manual (this manual)**

Quick guide for basic usage

Format: paper (included with the outdoor unit)

- **Technical Data Manual**

Performance data and ERP information

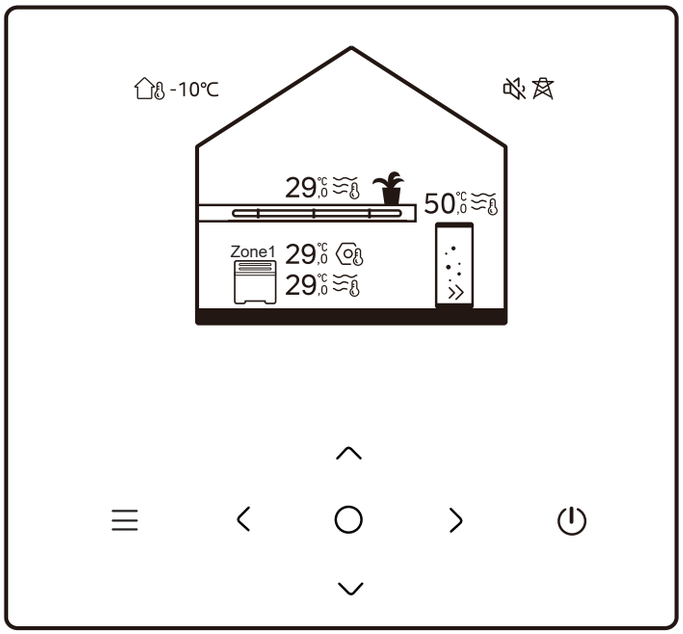
Format: paper (included with the outdoor unit)

Online Tools (APP)

APP: scan the QR code on the right or in the front page to download the app

3 USER INTERFACE

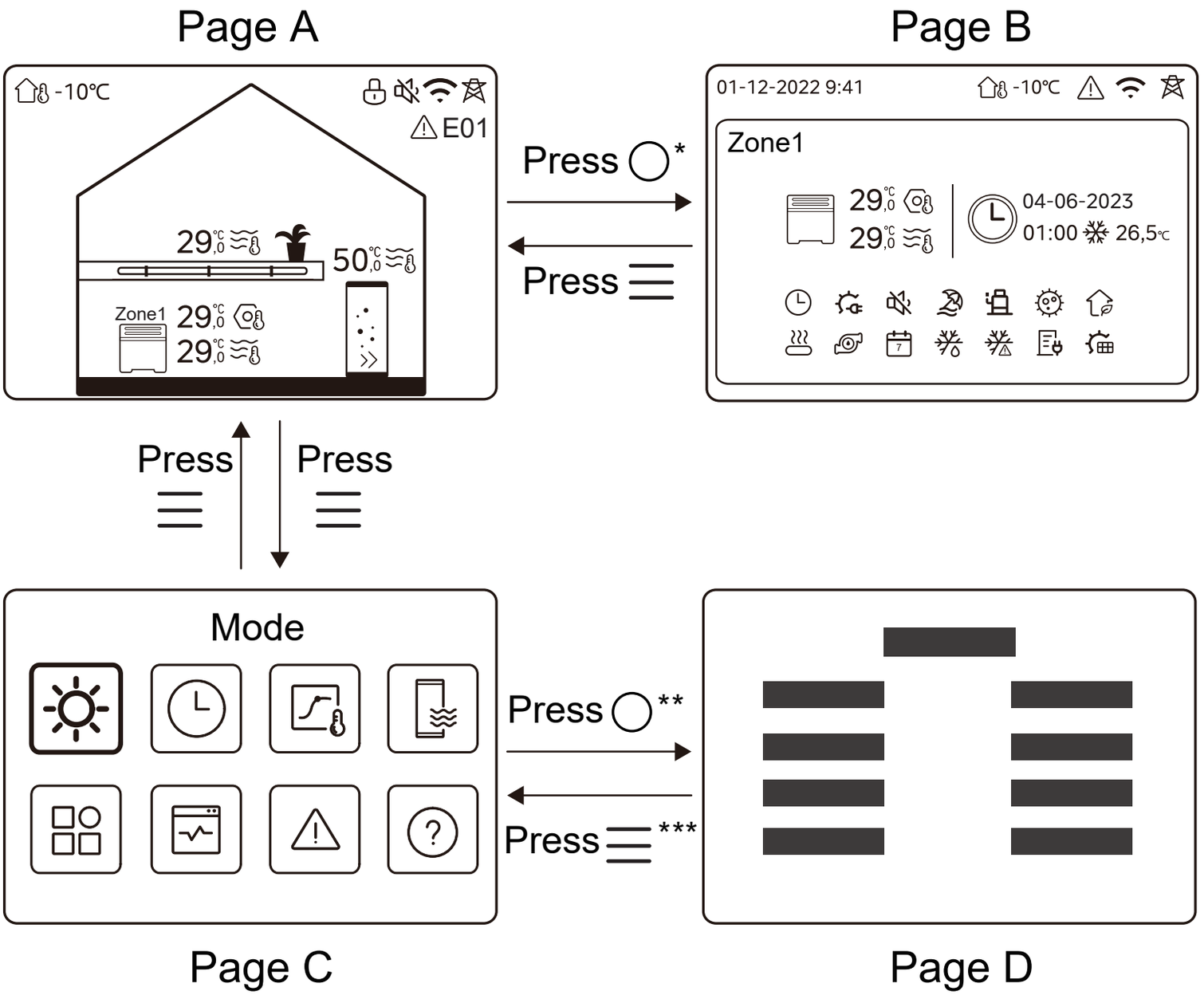
3.1 Names and Functions



Icon	Name	Definition
☰	Menu/Return*	Press to access the menu page (from the home page) / return to the previous page (from a page other then the home page)
○	Confirm	Confirm a selection / Save settings / Acess the next page
⏻	ON/OFF	Turn on/off zone 1/zone 2/DHW Press and hold for 3 seconds to turn on/off all appliances (zone 1 / zone 2 / DHW).
∧ ∨ < >	Navigation: upward, downward leftward, rightward	Press to navigate the cursor to adjust settings (holding it for 1 second can start quick adjustment)

* Hold for 2 seconds to return to the main page.

3.2 Interface Switch



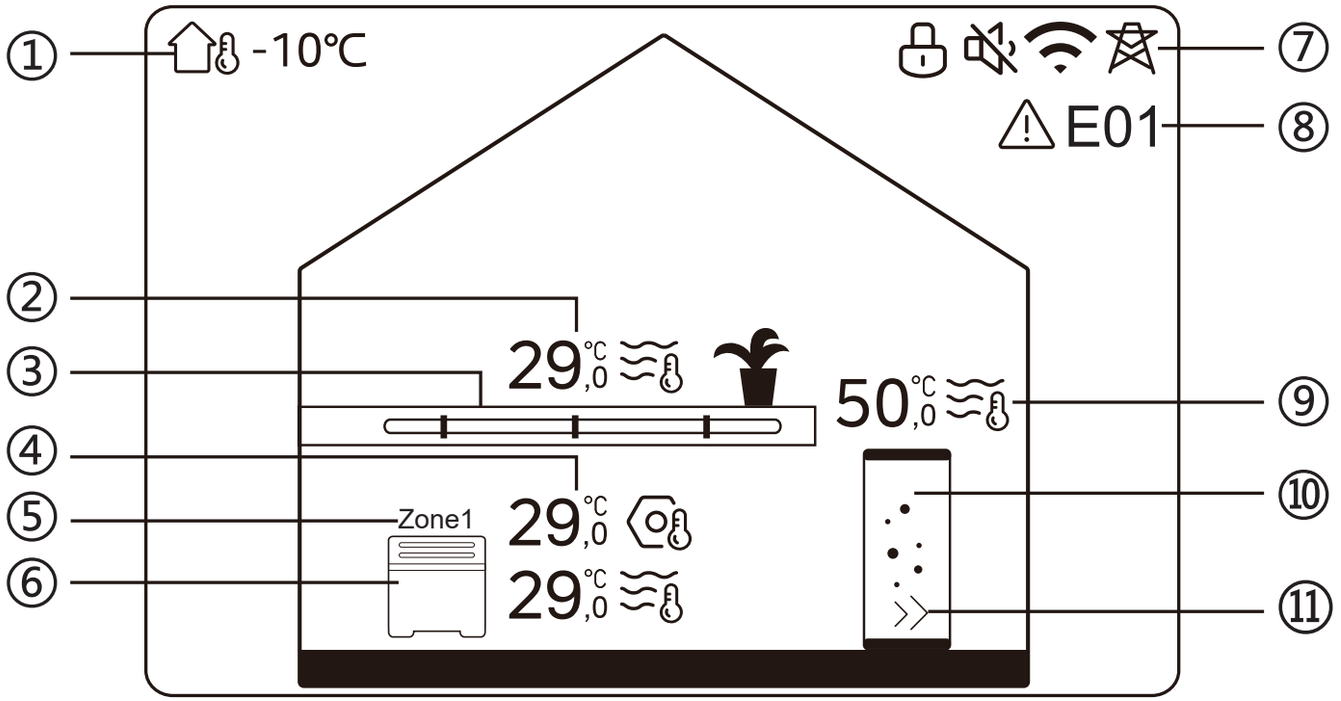
* To switch from Page A to Page B, select an appliance first.

** To switch from Page C to Page D, select a target icon first.

***To switch from Page D to Page C, press ☰ several times (depending on the page level).

3.3 Interface Layout

Page A – Home page



No	Name		Icon	Note
1	Outdoor ambient temperature		-10℃	Current outdoor ambient temperature
2*	Zone 2 temperature	Temperature	29,0℃	The indicator lights up when Zone 2 is ON and turns gray when Zone 2 is OFF. When the temperature is controlled by room temperature, is displayed. When the temperature is controlled by water temperature, is displayed.
		Current room temperature		
		Current water temperature		

		Set temperature		When Zone 2 is selected, the zone indicator and set temperature are visible.
3*	Zone 2 applian-ces	Radiator		Displays  , or  depending on the installer setting. The icon color is orange when Zone 2 is in heating mode. The icon color is blue when Zone 2 is in cooling mode. The icon color is gray when Zone 2 is OFF.
		Underfloor heating		
		Fan coil unit		
4	Zone 1 temper-atures	Temperature		The indicator lights up when Zone 1 is ON and turns gray when Zone 1 is OFF. When the temperature is controlled by room temperature,  is displayed. When the temperature is controlled by water temper-ature,  is displayed. When Zone 1 is selected, the zone indicator and set temperature are visible.
		Current room temperature		
		Current water temperature		
		Set temperature		
5	Zone 1 indicator		Zone 1	Indicates this zone is Zone 1.

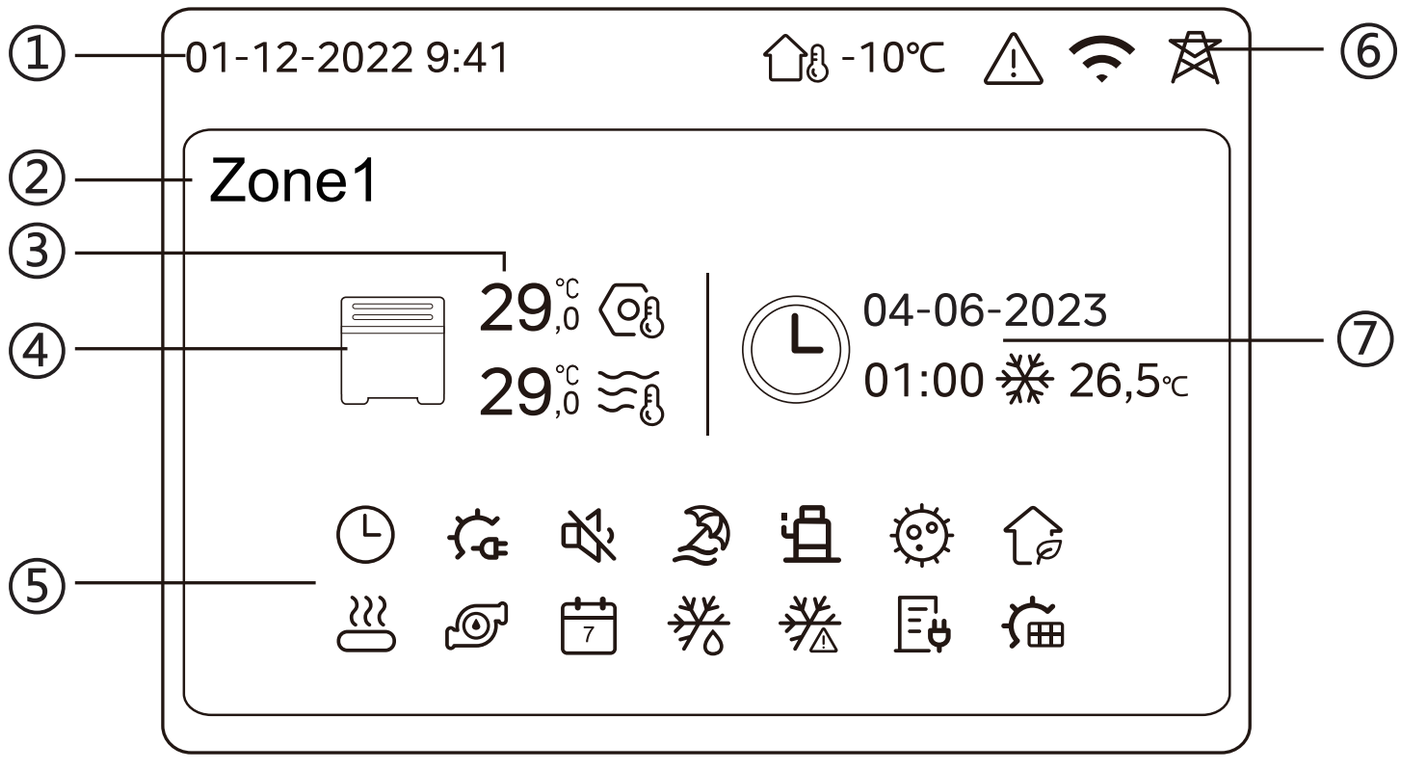
6	Zone 1 appliance	Radiator		Displays  ,  or  depending on the installer setting. The icon color is orange when Zone 1 is in heating mode. The icon color is blue when Zone 1 is in cooling mode. The icon color is gray when Zone 1 is OFF.
		Underfloor heating		
		Fan coil unit		
7	Lock			Visible when the screen is locked.
	Silent mode			Visible when the silent mode is active.
	WLAN connection			Visible during WLAN connecting and after successful WLAN connection.
	Smart grid			Visible when smart grid function is active.
8	Error		 E01	Visible when any error exists.
9**	DHW tank tempe-rature	Temperature		The indicator lights up when DHW is ON and turns gray when DHW is OFF. When DHW is selected, set temperature is visible.
		Current water temperature		

		Set temperature		
10**	DHW tank			The icon color is orange when DHW heating is ON. The icon color is gray when DHW heating is OFF.
11**	Fast DHW			Visible when fast DHW is active.

* Invisible if DOUBLE ZONE is disabled.

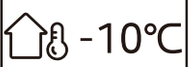
**Invisible if DHW MODE is disabled.

Page B – Appliance page

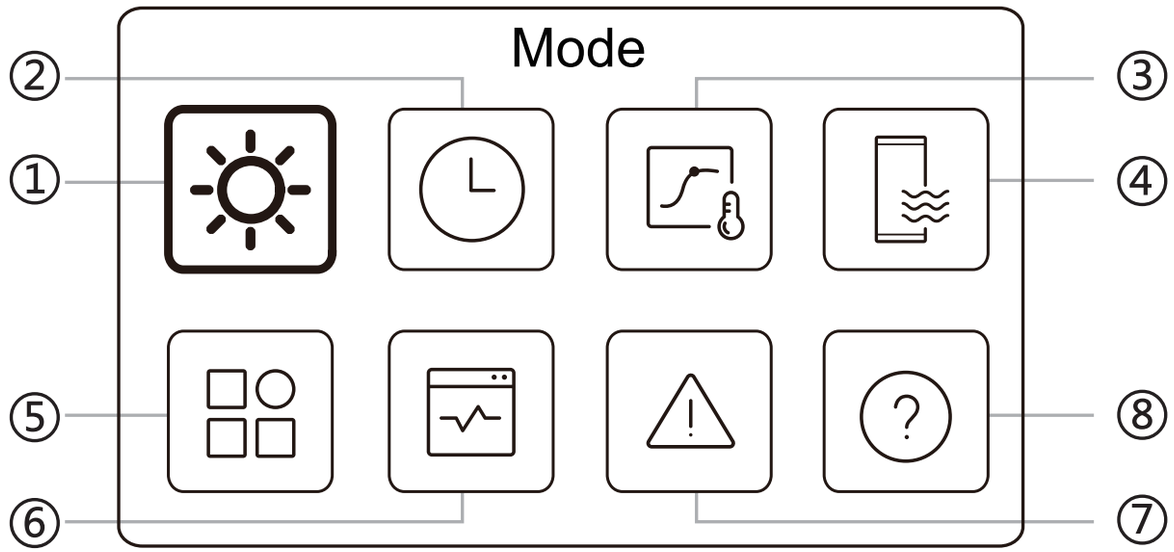


No	Name		Icon	Note
1	Date		01-12-2022	Current date (DD-MM-YYYY) and time (HH:MM) of the wired controller.
	Time		9:41	
2	Zone indicator		Zone1	Display 1 or 2 depending on the zone you have selected.
3	Temperature		29,0℃ 29,0℃	When the temperature is controlled by room temperature, is displayed. When the temperature is controlled by water temperature, is displayed.
	Current room temperature			
	Current water temperature			
	Set temperature			
4	Appliance	Radiator		Displays , or depending on the installer setting. The icon color is orange when the selected appliance is in heating mode. The icon color is blue when the selected appliance is in cooling mode. The icon color is gray when the selected appliance is OFF.
		Underfloor heating		
		Fan coil unit		

5	Electric heater		Visible if any electric heater is active.
	Daily timer		Visible if the daily timer is active.
	Silent mode		Visible when silent mode is active.
	Holiday mode		Visible when holiday mode is active.
	Compressor		Visible when the compressor is running.
	Water pump		Visible when the integrated water pump is running.
	Energy saving mode		Visible when ECO mode is active.
	Anti-freeze		Visible when anti-freeze function is active.
	Defrost		Visible when defrost function is active.
	Additional heat source		Visible when additional heat source is active.
	Mains electricity		Visible when smart grid function is active and the input signal is mains electricity.
	Peak electricity		Visible when smart grid function is active and the input signal is electricity at peak.
	Green electricity		Visible when smart grid function is active and the input signal is electricity for free.
	Solar		Visible when solar heating function is active.

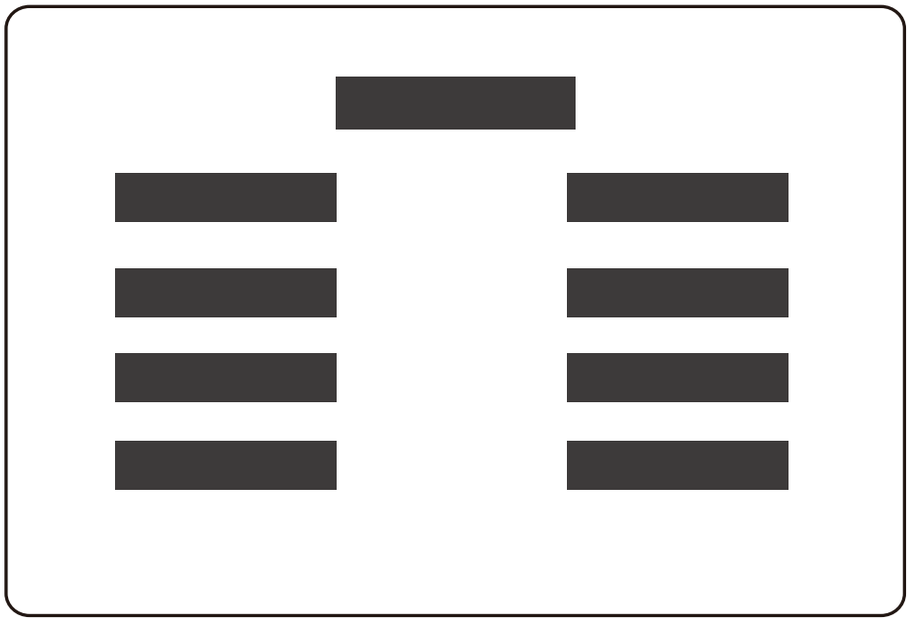
	Disinfection			Visible when disinfection function is active.
	Weekly timer			Visible when the weekly timer is active.
6	Outdoor ambient temperature			Current outdoor ambient temperature.
	Error			Visible when any error exists.
	WLAN connection			Visible during WLAN connecting and after successful WLAN connection
	Smart grid			Visible when smart grid function is active.
7	Timer indicator	Time icon		Displays the recent timer information (for Schedule timer only). When no timer is active, “---” is displayed.
		Time of the Timer	01:00	
		Date of the Timer	04-06-2023	
		Set operation mode of the timer		
		Set temperature of the timer	26,5℃	

Page C – Menu page



No.	Name	Icon	Definition
1	Mode		Set the unit operation mode.
2	Schedule		The system operates according to a schedule.
3	Weather temp. settings		Allow to regulate the water temperature depending on the outdoor ambient temperature.
4	DHW settings		Settings of DHW.
5	Settings		General settings.
6	Unit status		More information of the unit and its operation status.
7	Error info		Error history.
8	FAQ		Assistance for common questions.

Page D – Setting and information page



The page layout varies with your selection. It is either the setting page in which the parameters can be adjusted, or the information page which only provides additional information.

4 BASIC OPERATIONS

4.1 Screen Lock/Unlock

The screen dims 30 seconds after no operation, and then turns dark in 10 seconds.

To lock or unlock the screen, hold < and > simultaneously for 1.5 seconds.

4.2 Unit ON/OFF

Select an appliance (icon 3, 6, or 10) in Page A, and press ⏻ to turn ON/OFF the selected appliance.

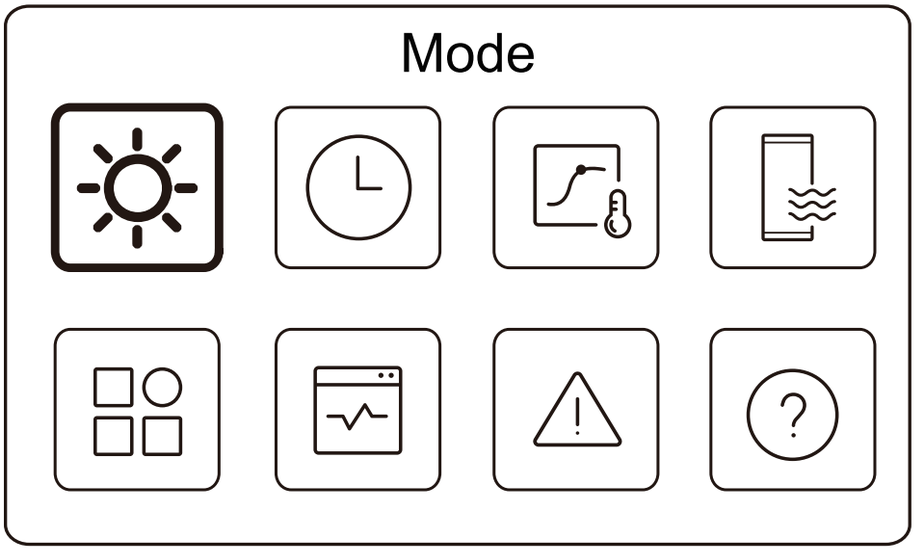
Appliance color on the wired controller	Appliance status
Dark gray	OFF
Light orange	ON(heating mode)
Light blue	ON(cooling mode)

4.3 Temperature Settings

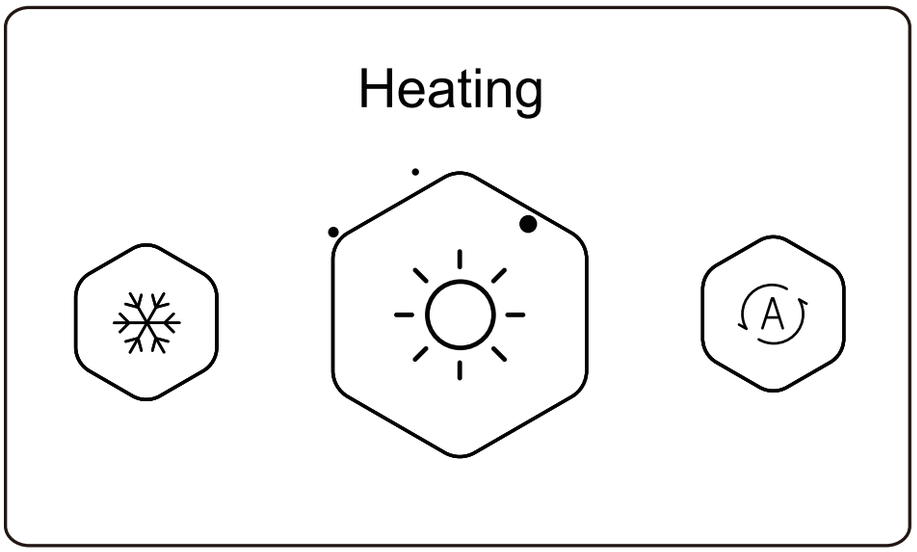
Select an appliance, and press ∧ and ∨ to adjust the set temperature.

• Set temperature adjustment is feasible regardless of the appliance status.

4.4 Mode Change



Access icon 1 in Page C to change the operation mode.



Press 〈 or 〉 to change the operation mode.
Three modes are optional:, Heating, Cooling, and Auto.

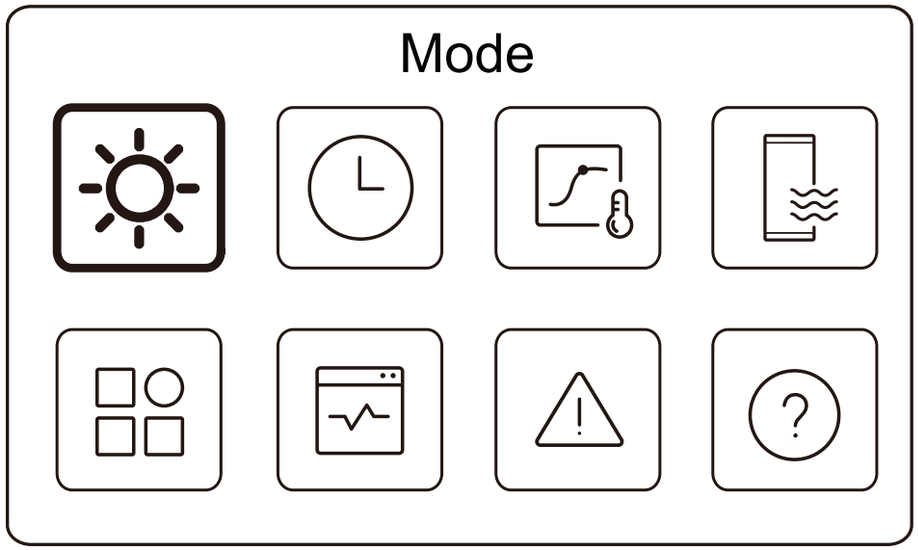
NOTE

About AUTO mode:

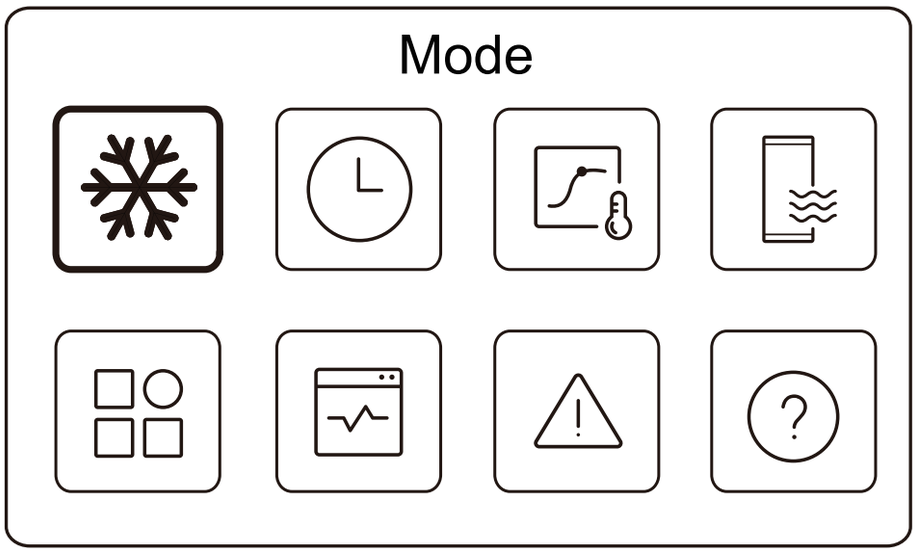
• The unit selects the operation mode automatically based on the outdoor ambient temperature and some advanced settings of the installer.

You can see the interfaces as below when the unit is running in different modes.

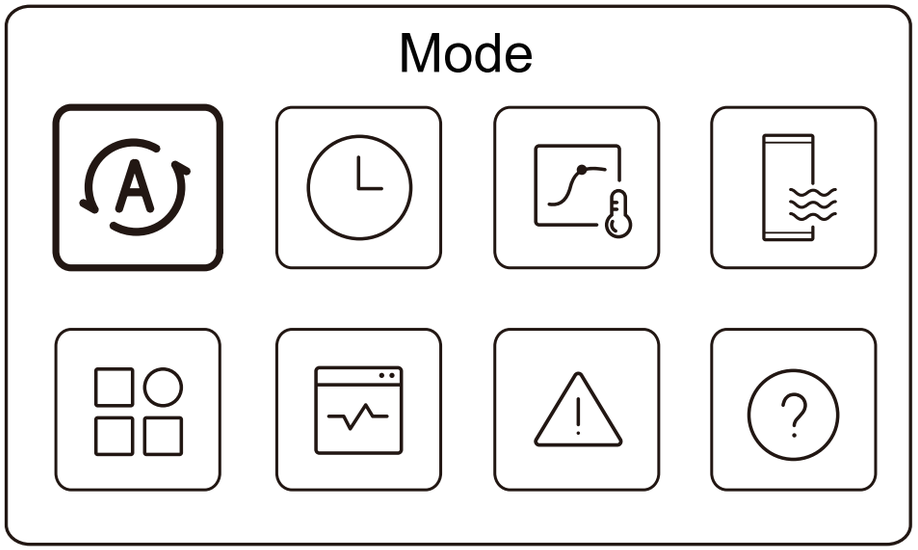
Heating:



Cooling:



Auto:



5 OTHER FUNCTIONS AND SETTINGS

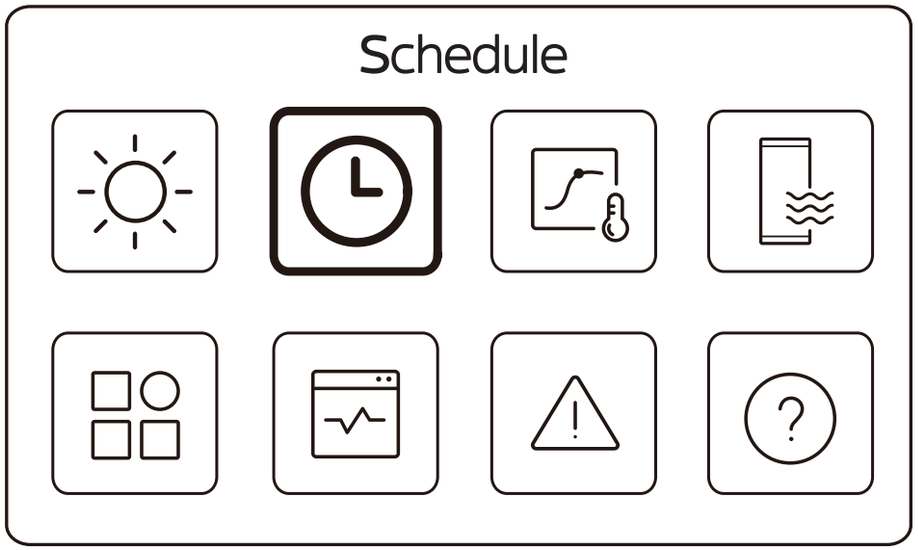
The settings and operation guide of icons 2, 3, 4, 5, 6, 7, and 8 in Page C are shown below.

NOTE

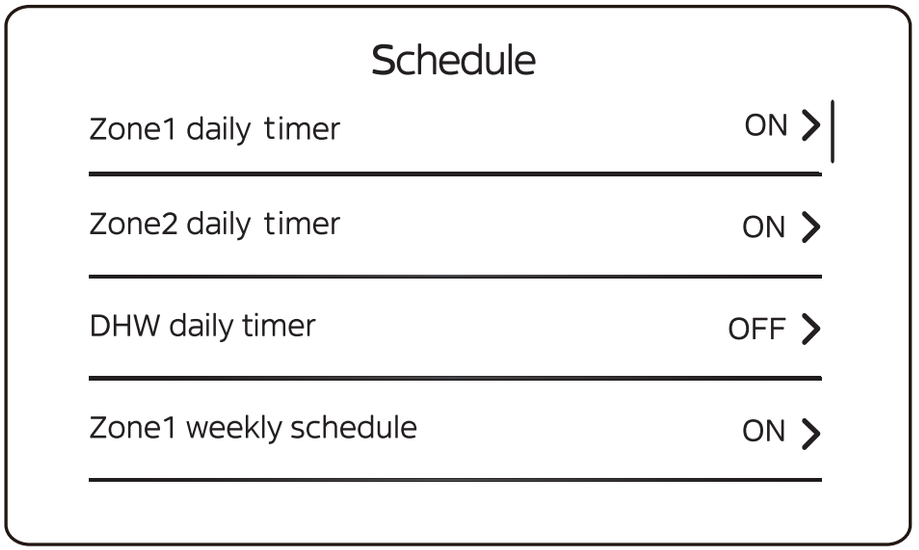
The icon below is the status indicator.

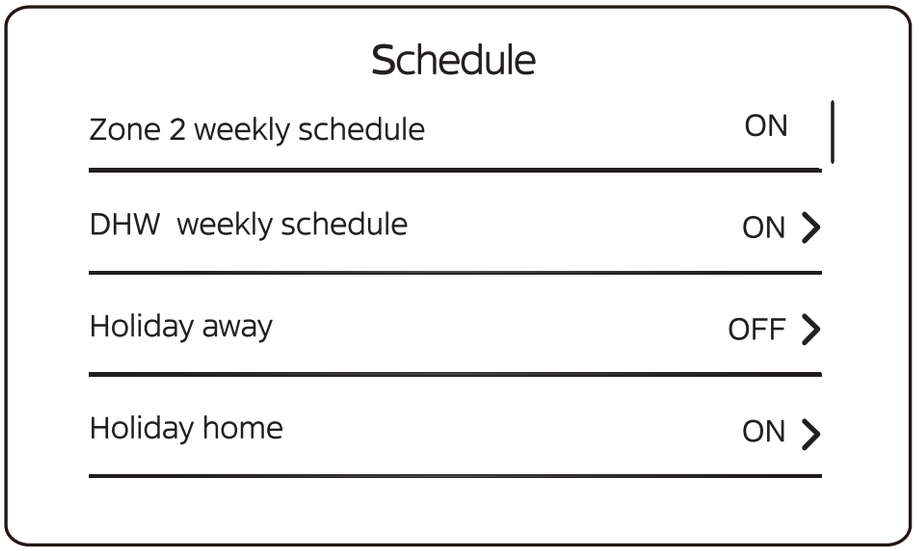
means inactive,and means active.

5.1 Schedule



You can make schedules for the unit operation.





The status indicator on the right of the interface shows “ON” when the schedule is active, and “OFF” when the schedule is inactive.

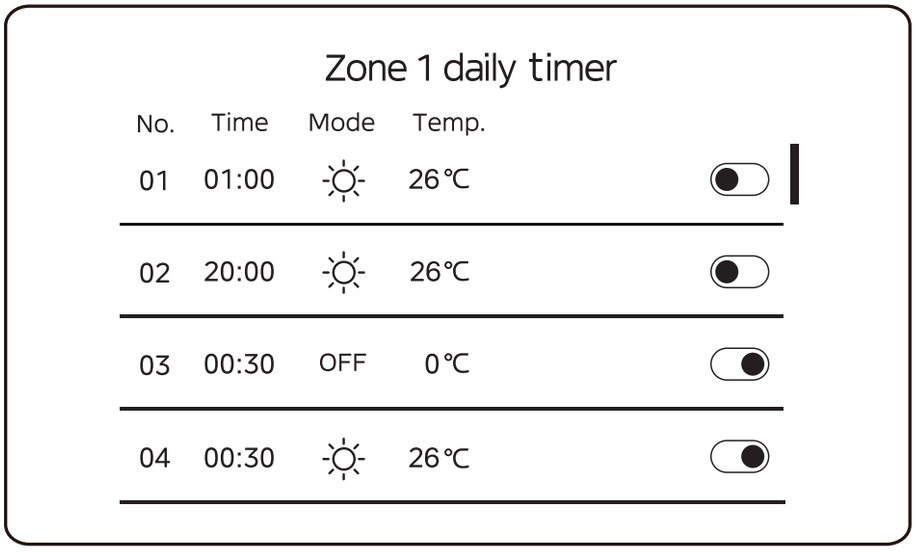
NOTE

You might see less items than what is illustrated above. The number of visible items depends on your actual application.

This function is based on the current time displayed on the wired controller. Make sure the time is correct.

Zone 1 daily timer

For daily schedule for Zone 1, 4 parameters can be set. Up to 6 commands can be set..



NOTE

Daily schedule: The commands repeat every day.

Time	The time when the unit starts to execute the following command.
Mode	The mode in which the unit starts to run from the set time. OFF means Zone 1 turns off at the set time.
Temp	The target temperature of the unit in the set mode.
Status	The status of the schedule setting. If no timer is active, Zone 1 daily timer is inactive.

Zone 2 daily timer

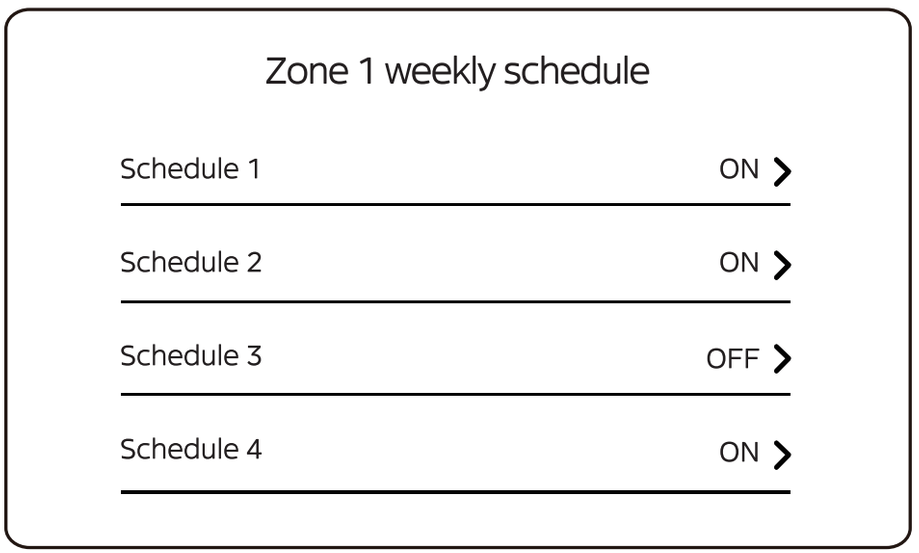
Daily schedule for Zone 2. Refer to Zone 1 daily timer.
This item is invisible if DOUBLE ZONE is disabled.

DHW daily timer

Daily schedule for DHW heating. Refer to Zone 1 daily timer.
This item is invisible if DHW MODE is disabled.

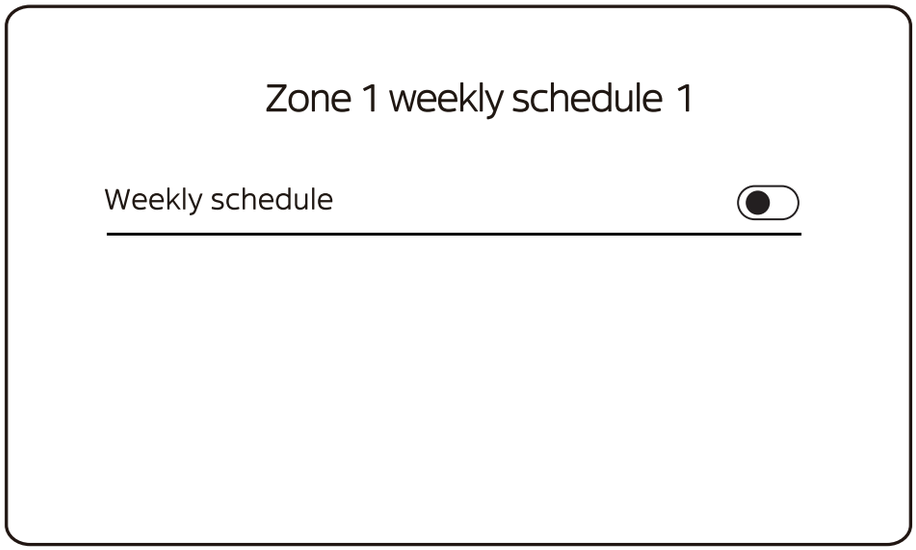
Zone 1 weekly schedule

Weekly schedule for Zone 1. Up to 4 schedules can be set.

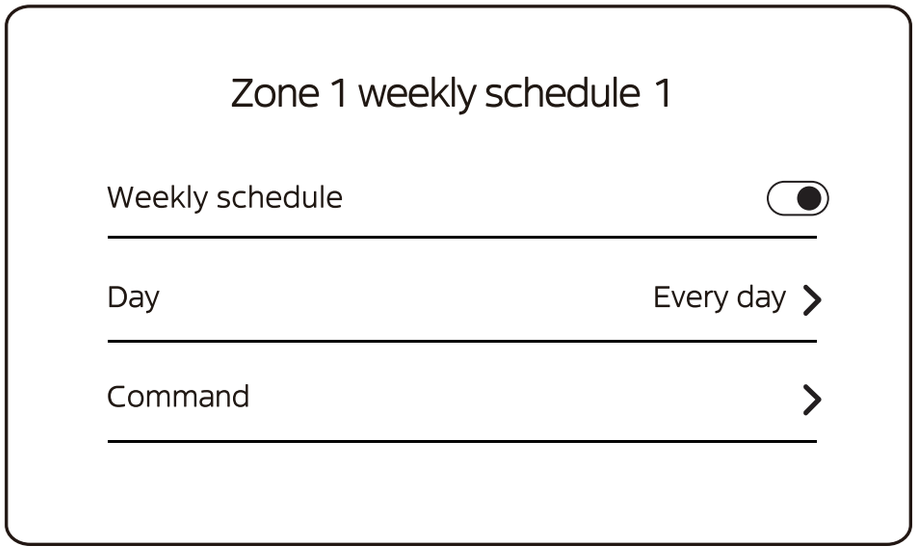


NOTE

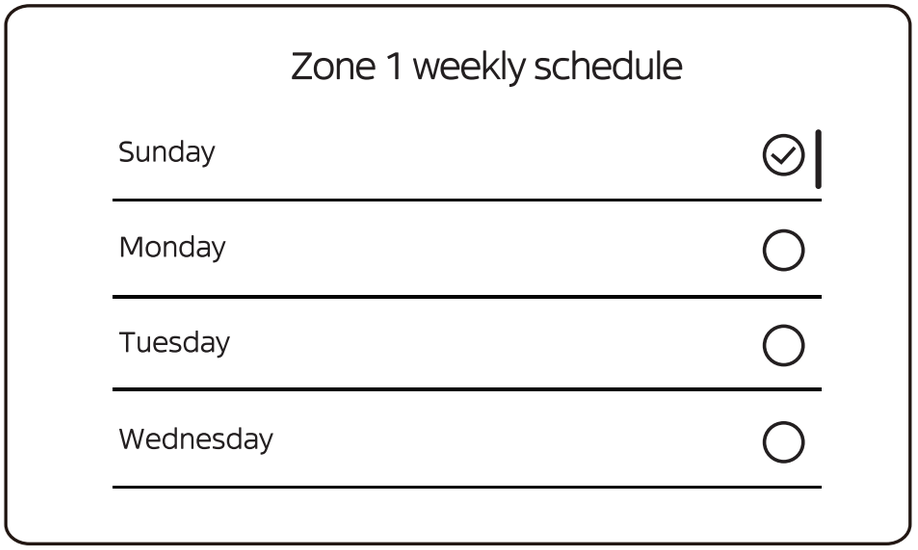
Weekly schedule: The commands repeats every week.



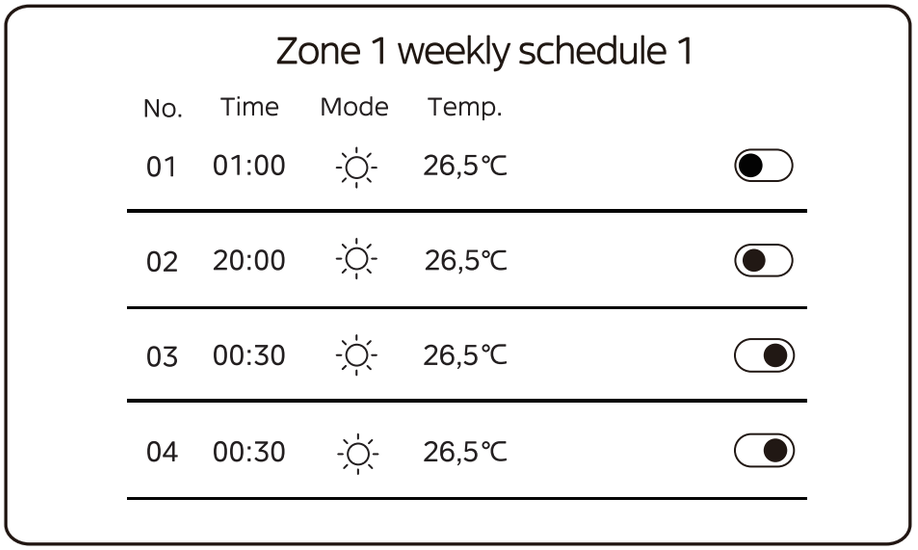
Press ◯ and you can see the interface below.



Day:



Command:



Weekly schedule	Indicates the status of the weekly schedule.
Day	The day on which the following command is active within a week. At least one day should be selected.
Command	Refer to Zone 1 daily timer.

Zone 2 weekly schedule

Weekly schedule for Zone 2. Refer to Zone 1 weekly schedule.

This item is invisible if DOUBLE ZONE is disabled.

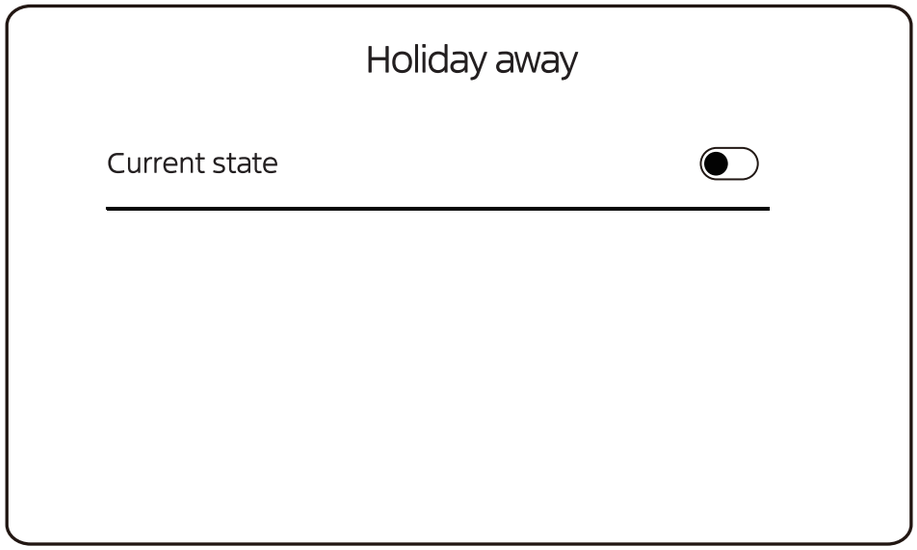
DHW weekly schedule

Weekly schedule for DHW heating. Refer to Zone 1 weekly Schedule and DHW daily timer.

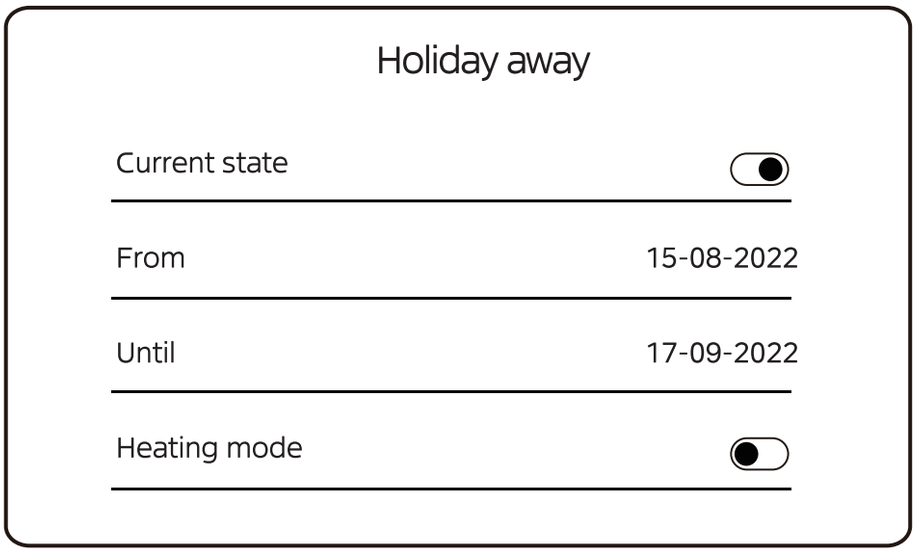
This item is invisible if DHW MODE is disabled.

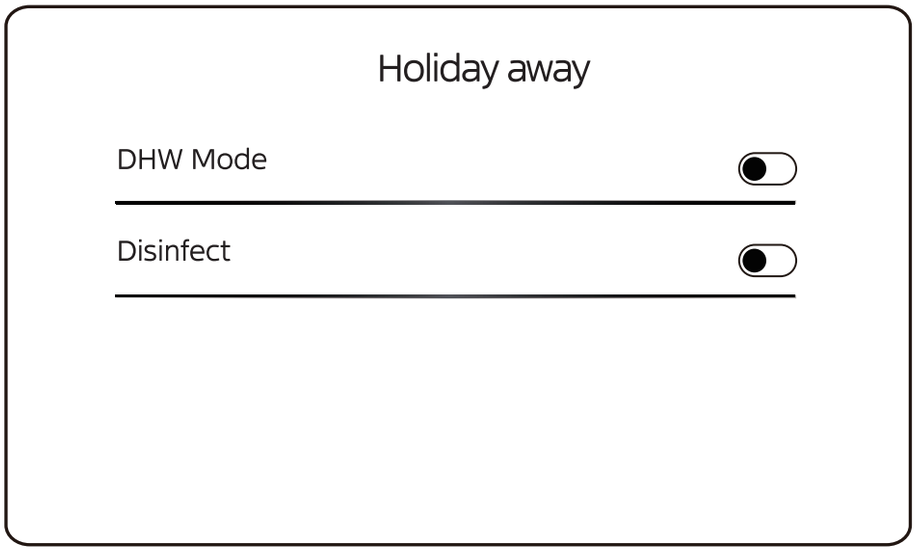
Holiday away

Schedule for holiday, providing a mild temperature for the residence to prevent freezing.



Press ◯ and you can see the interface below.





Current Status	Indicates the status of Holiday away mode.
From	The day on which Holiday away mode starts (00:00 on that day).
Until	The day on which Holiday away mode ends (24:00 on that day).

Heating Mode*	Indicates the status of heating mode.
Heating Temp.*	The target temperature of the unit in heating mode.
DHW Mode**	Indicates the status of DHW heating mode.
DHW Temp.**	The target temperature of the unit in DHW heating mode.
Disinfect***	Indicates the status of disinfect function.

* Invisible if Heating mode is inactive.

** Invisible if DHW mode is inactive.

*** Invisible if DHW mode or disinfection is inactive.

NOTE

You might see less items than what is illustrated above. The number of visible items depends on your actual application.

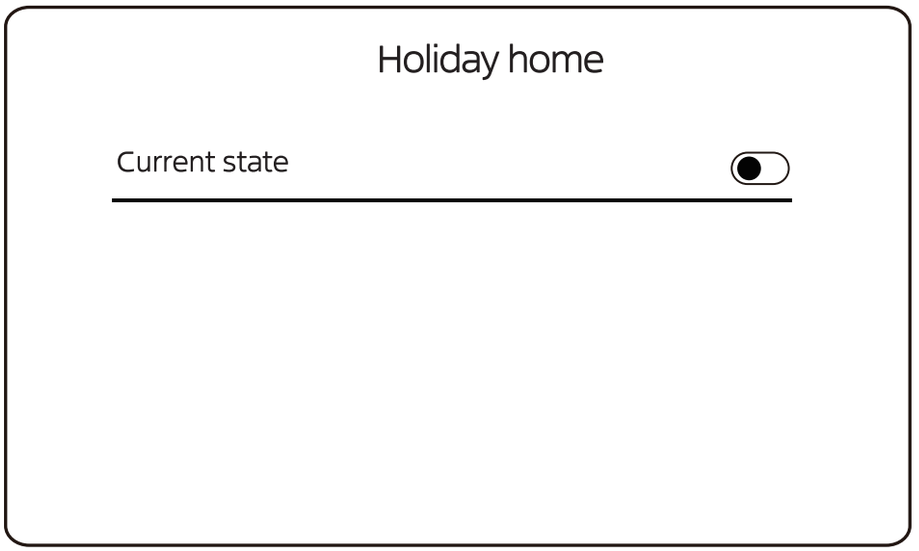
Quit Holiday away mode in advance:

When Holiday away mode is active, press any button on the wired controller. Then, a confirmation page appears.

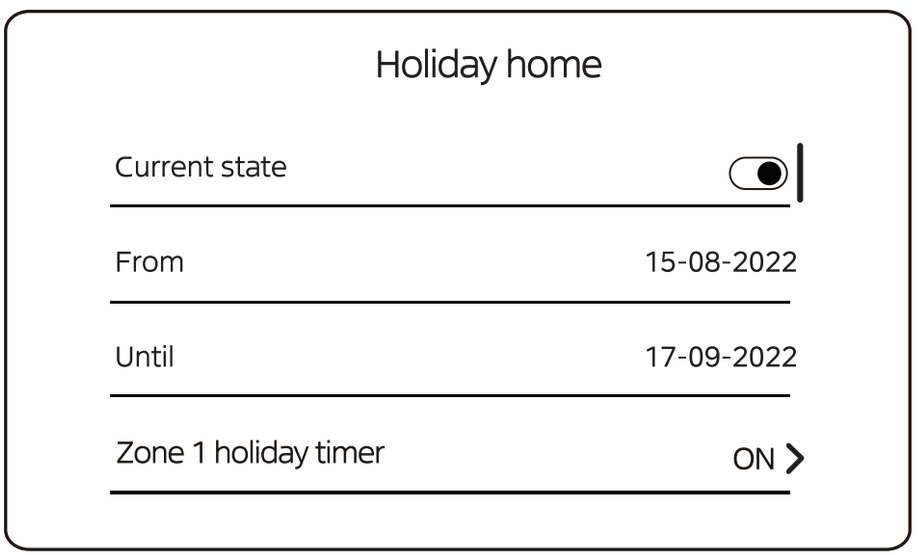
For more information, see FAQ.

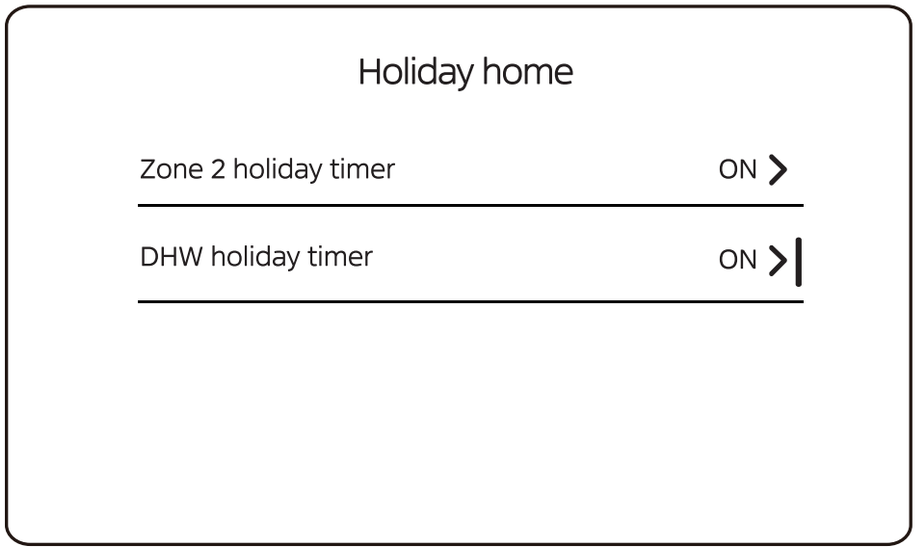
Holiday home

In case that user stays at home for holiday, user can make customized schedule.



Press ◯ and you can see the interface below.





Current Status	Indicates the status of Holiday home mode.
From*	The day on which Holiday home mode starts (00:00 on that day)
Until*	The day on which Holiday home mode ends (24:00 on that day)
Zone 1 holiday timer*	Zone 1 holiday timer.
Zone 2 holiday timer*	Zone 2 holiday timer.
DHW holiday timer*	DHW holiday timer.

* Invisible if Holiday home mode is inactive.

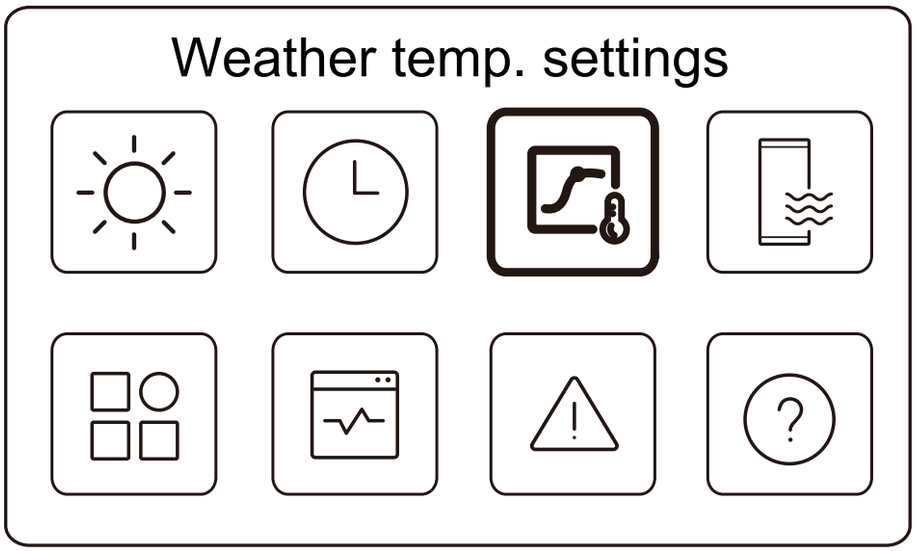
NOTE

You might see less items than what is illustrated above. The number of visible items depends on your actual application.

Quit Holiday home mode in advance:

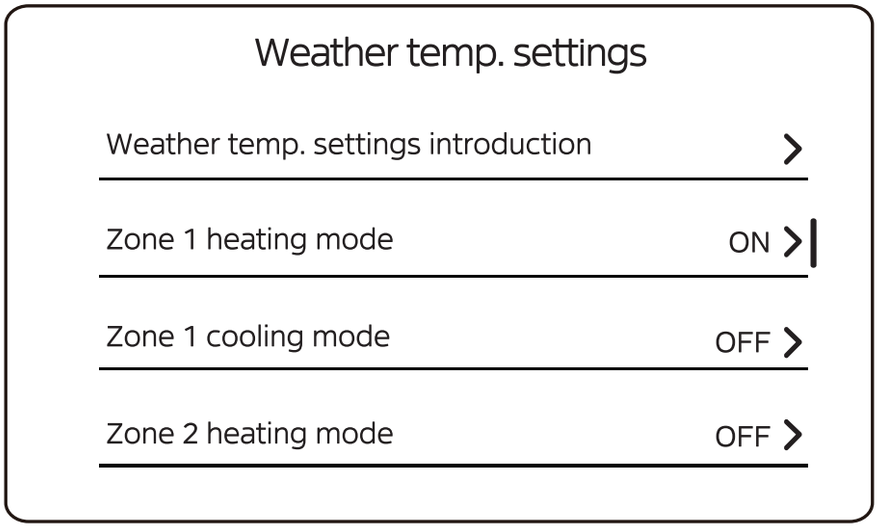
When Holiday home mode is active, press any key on the wired controller. Then, a confirmation page appears.. For more information, see FAQ.

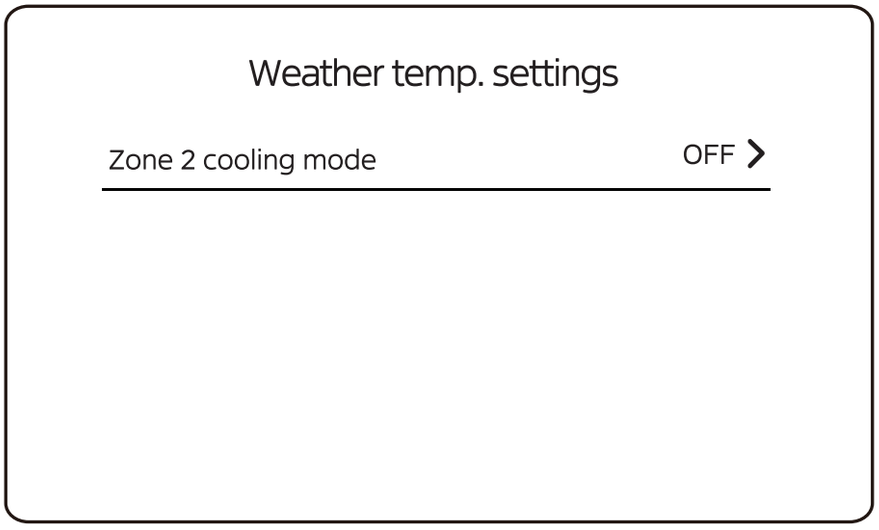
5.2 Weather temp. settings



The set water temperature is regulated automatically depending on the outdoor ambient temperature.

This function is only for space heating and space cooling. When the function is active, the unit will apply temperature curves if the current operation mode is consistent with the activated function





The status indicator on the right of the interface shows “ON” when the setting is active, and “OFF” when the setting is inactive.

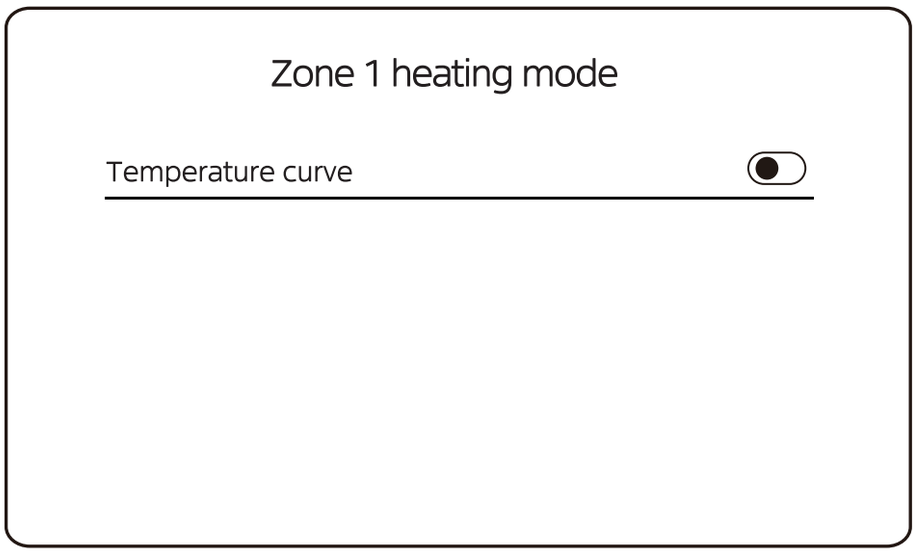
NOTE

- If the temperature is controlled by water temperature, you cannot adjust the set temperature (in home page) manually once this function is enabled.

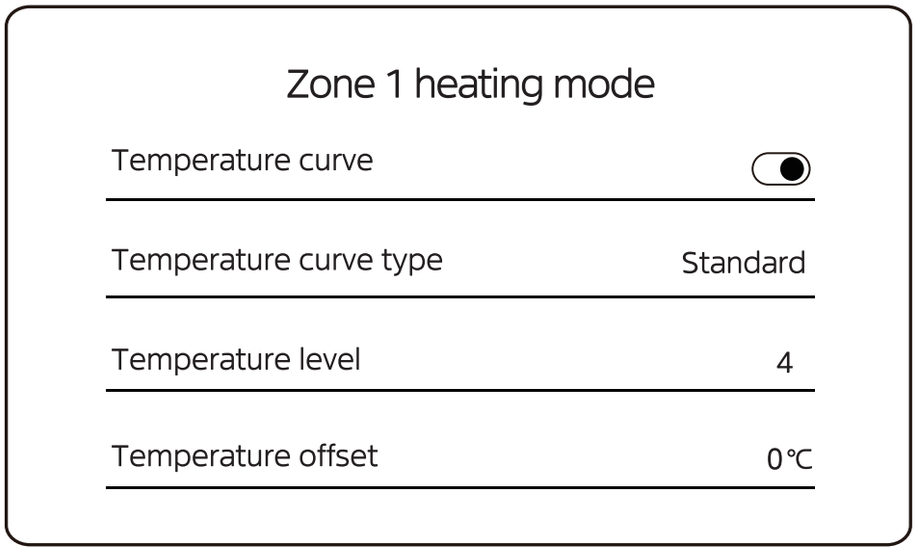
- If the temperature is controlled by room temperature, the set temperature (in home page) can be adjust as usual.
- This function is invalid if the unit is in holiday away or holiday home mode, and the function turns to valid automatically (if this function is set to be active) when the unit quits holiday away or holiday home mode.

Zone 1 heating mode

Heating temperature curve setting for Zone 1.



Press ◯ and you can see the interface below



Temperature curve	Indicates the status of temperature curve function.
Temperature curve type*	Select which curve type you want to apply. Three types in all: Standard, ECO, Custom Standard: Curves preset by manufacturer, mainly for common conditions ECO: Curves preset by manufacturer, for energy saving Custom: The parameters of the curve can be adjusted, **mainly for advanced users**.
Standard	
Temperature level*	Up to 8 curves preset by manufacturer, from which you can choose one.
Temperature offset*	Fine tune the curve. -Slightly increase or decrease the temperature of the curve.

ECO**	
Temperature level*	Up to 8 curves preset by manufacturer, from which you can choose one.
ECO timer*	ECO timer: Indicates the status of ECO timer. -If the ECO timer is inactive, the unit will operate in ECO mode all the way. -If the ECO timer is active, the unit will operate in ECO mode only during the set time period. Start: the hour from which the ECO curve is enabled; End: the hour from which the ECO curve is disabled -If the set Start time is later than the set End time, the unit will operate in ECO mode throughout a day. The Start time and End time cannot be set to the same value. Otherwise, the most recent setting is invalid, and a notice window appears.
Custom	
Temperature setting*	The parameters of the curve can be adjusted.
Temperature offset*	Fine tune the curve. -Slightly increase or decrease the temperature of the curve.

* Invisible if Temperature curve function is inactive.

** Available only for Zone 1 heating mode and single zone application.

Zone 1 cooling mode

Cooling temperature curve setting for Zone 1.
Refer to Zone 1 heating mode.

Zone 2 heating mode

Heating temperature curve setting for Zone 2.
Refer to Zone 1 heating mode.

NOTE

Invisible if DOUBLE ZONE is disabled.

Zone 2 cooling mode

Cooling temperature curve setting for Zone 2.
Refer to Zone 2 heating mode.

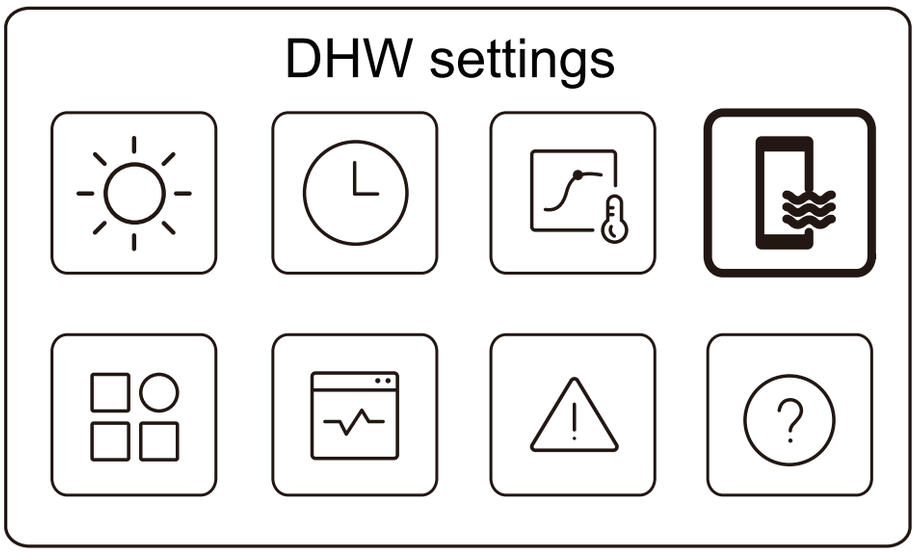
NOTE

Invisible if DOUBLE ZONE is disabled.

Introduction to weather temp. settings

It provides some basic knowledge about the temperature curve.
For more information, see FAQ.

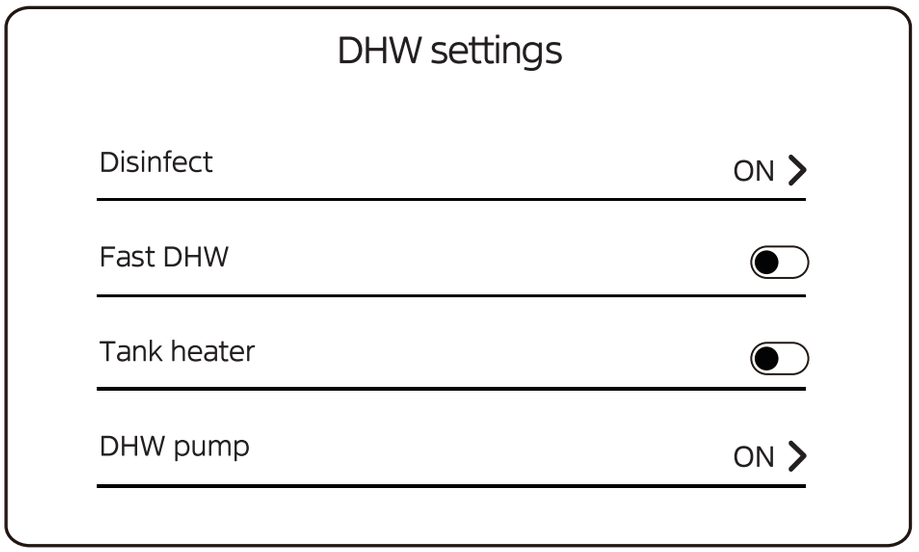
5.3 DHW settings



NOTE

Invisible if DHW MODE is disabled.

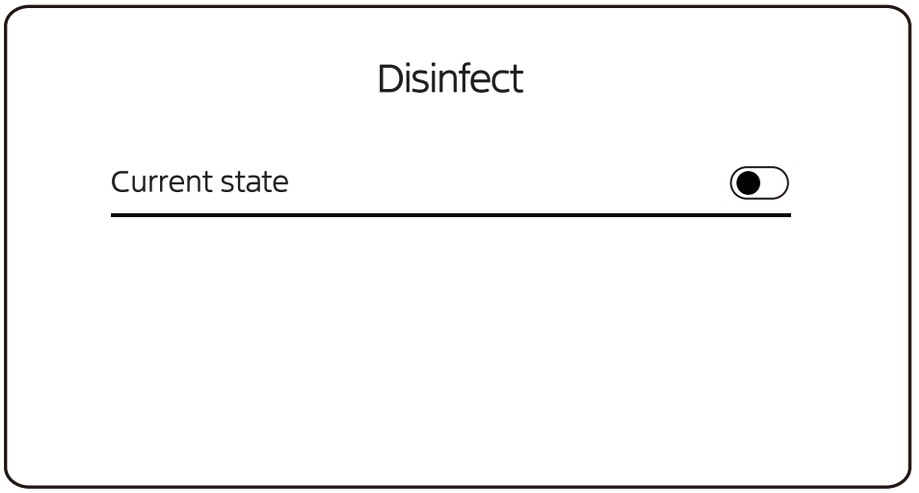
The status indicator on the right of the interface shows “ON” when the setting is active, and “OFF” when the setting is inactive.



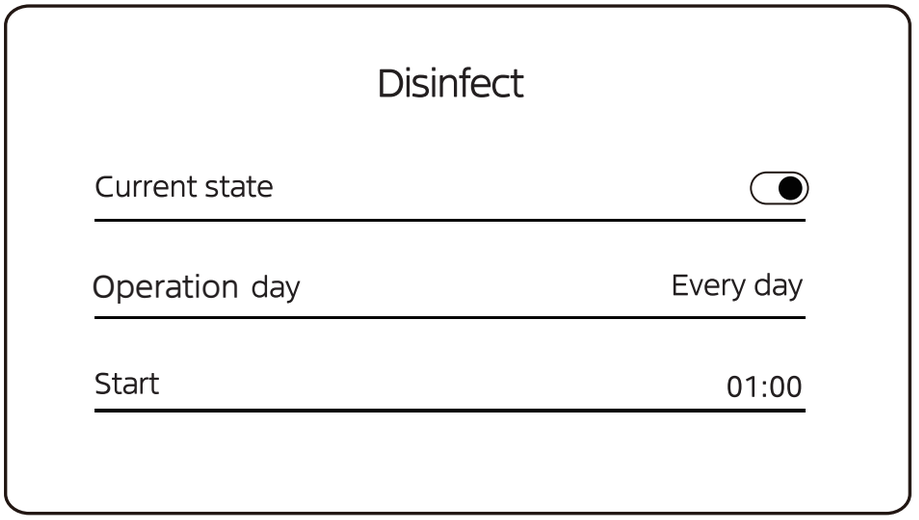
Disinfect	Kill Legionella at high temperature.
→Current State	Indicates the status of Disinfect function.
→Operate Day	The day on which Disinfect function is active within a week. At least one day should be selected.
→Start	The hour when Disinfect function starts.
Fast DHW*	Indicates the status of Fast DHW function. -Fast DHW function forces the unit to run in DHW mode (the unit will switch to DHW mode immediately). -Fast DHW serves to activate auxiliary heat sources such as TBH, AHS, and IBH for DHW heating.
Tank heater*	Indicates the status of Tank heater function. -Tank heater function serves to activate TBH.
DHW pump	Daily schedule for DHW pumps -Up to 12 commands can be set. The operation time of DHW pumps for each command is 5 minutes.

* The status indicator will turn OFF automatically after the function ends.

Disinfect



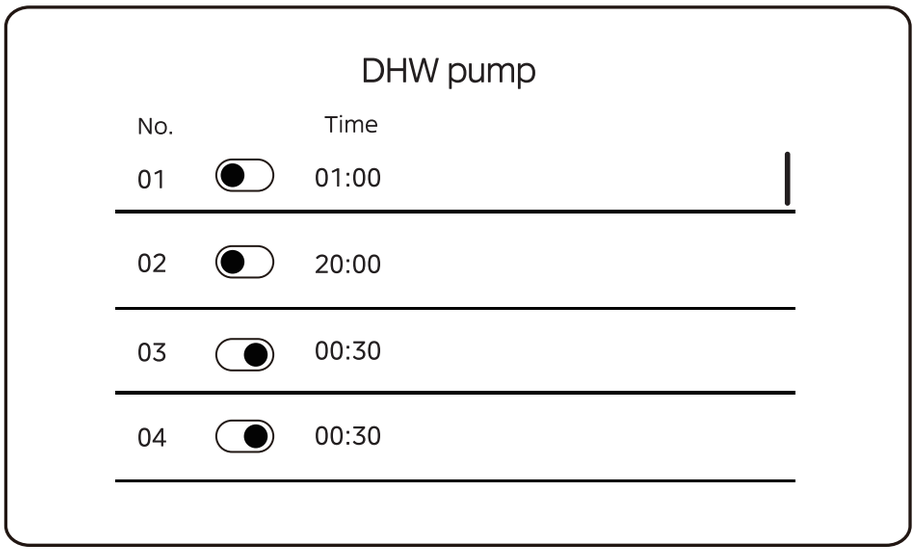
Press ◯ and you can see the interface below



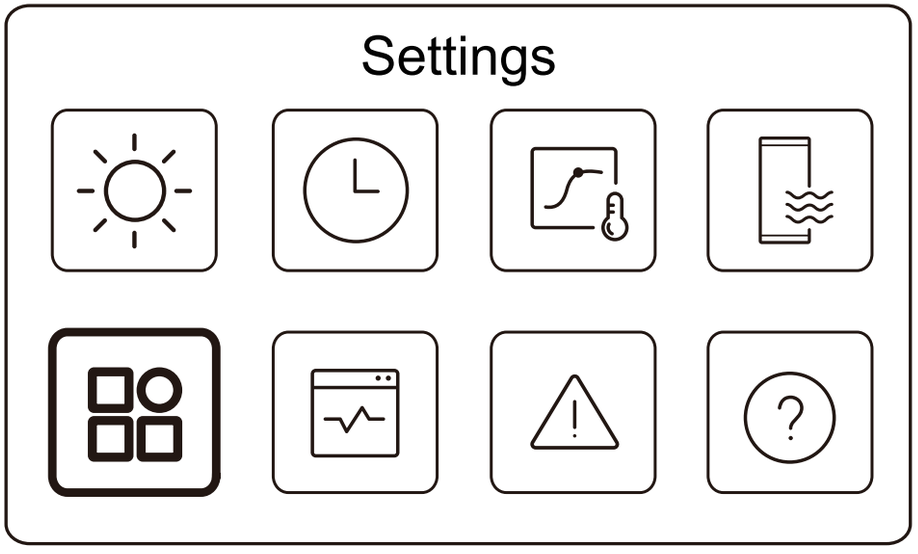
NOTE

- If there is DHW Timer set off during disinfect function running. The disinfect function will be stopped without any notice.

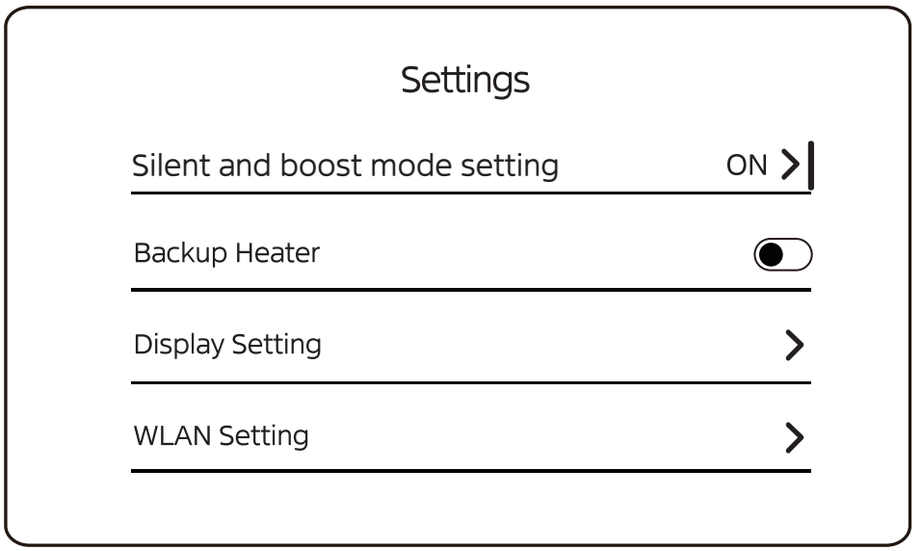
DHW pump

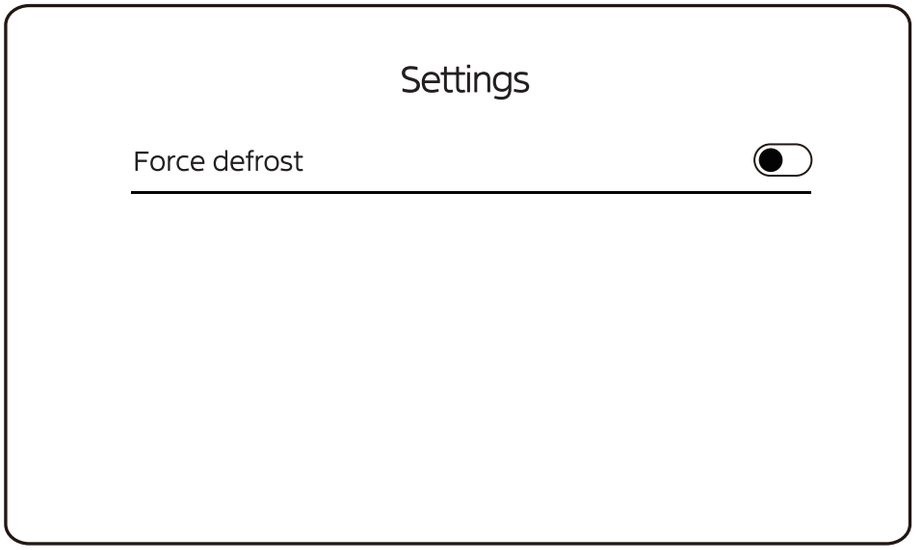


5.4 Settings



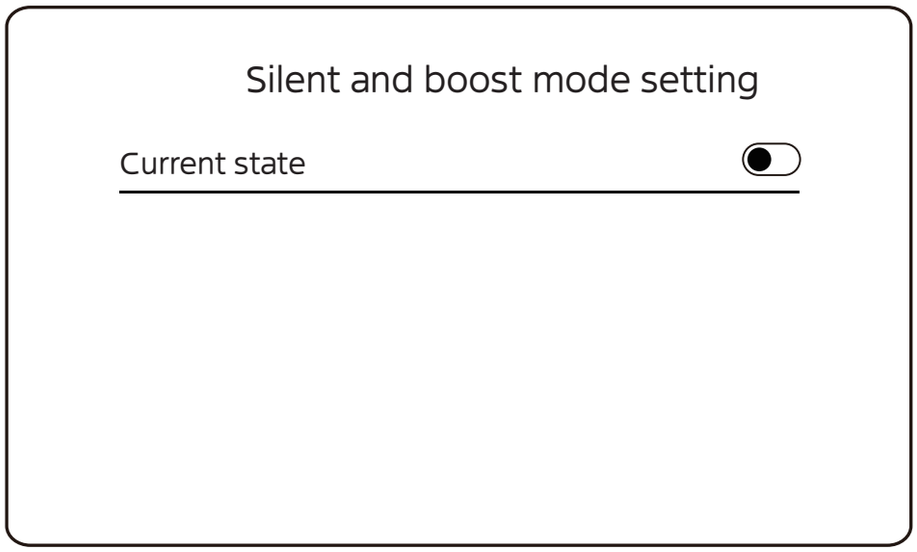
The status indicator on the right of the interface shows “ON” when the setting is active, and “OFF” when the setting is inactive.



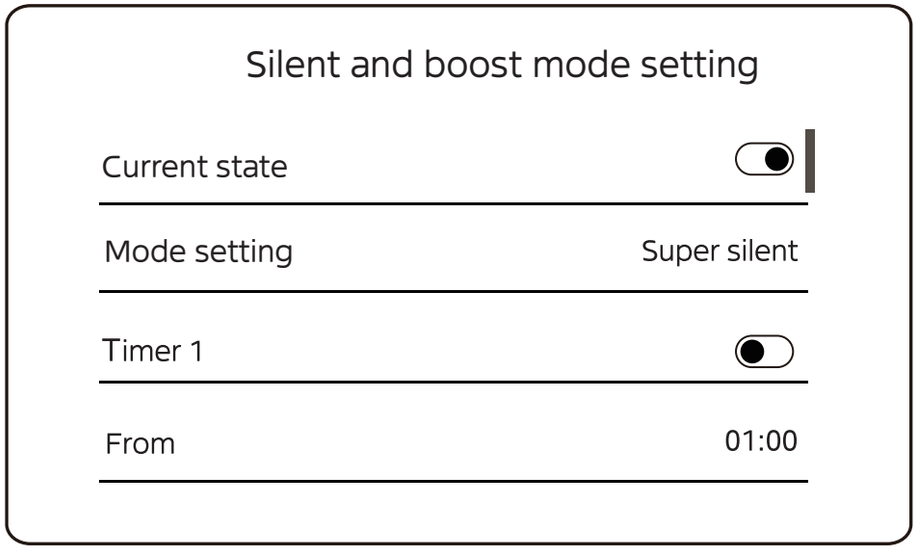


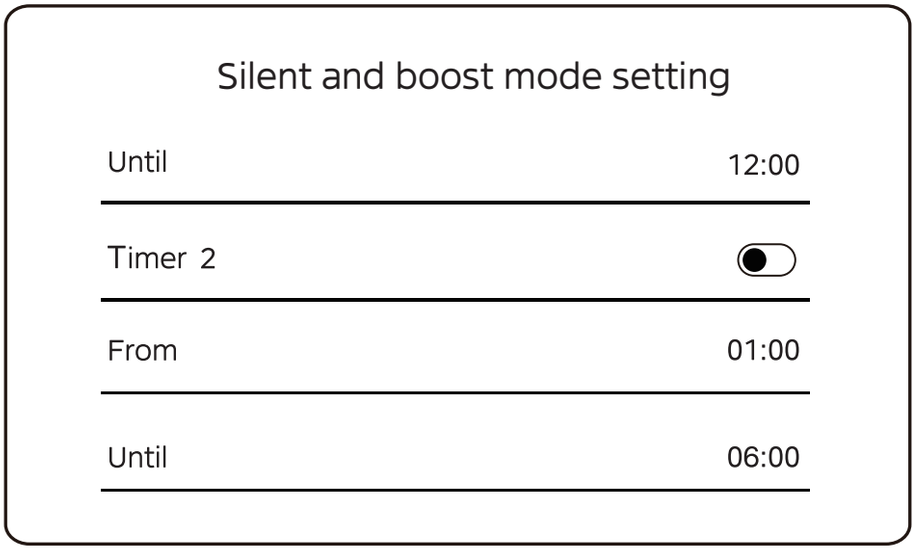
Silent and boost mode setting

You can select Silent mode or Boost mode.
In Silent mode, the unit operates without producing much noise.
In Boost mode, the unit operates with higher capacity and higher noise, power consumption as well.



Press ◯ and you can see the interface below.





Current state	Indicate the status of Silent and boost mode setting.
Mode setting	Select which level you want to apply to: (1)Silent; (2)Super silent; (3)Boost
Timer 1	Indicate the status of Timer 1.
From	The Silent and boost mode setting start time of Timer 1
Until	The Silent and boost mode setting end time of Timer 1
Timer 2	Indicate the status of Timer 2.
From	The Silent and boost mode setting start time of Timer 2
Until	The Silent and boost mode setting end time of Timer 2

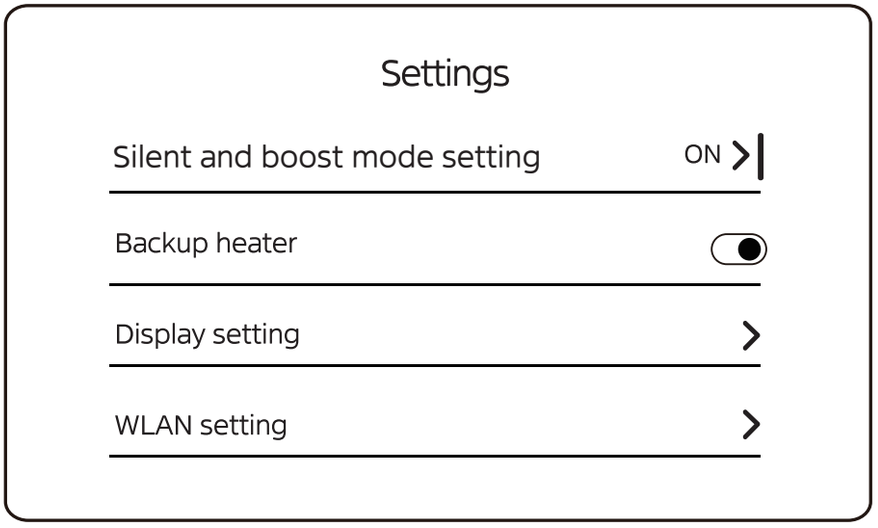
• When Current state is active and Timer is inactive, the unit runs in Silent or Boost mode all the time. When Current state is active and Timer is also active, the unit runs in Silent or Boost mode only in the set time period.

- If the set start time is later than the set end time, the unit will operate in Silent or Boost mode throughout a day. The Start time and End time cannot be set to the same value. Otherwise, the most recent setting is invalid, and a notice window appears.

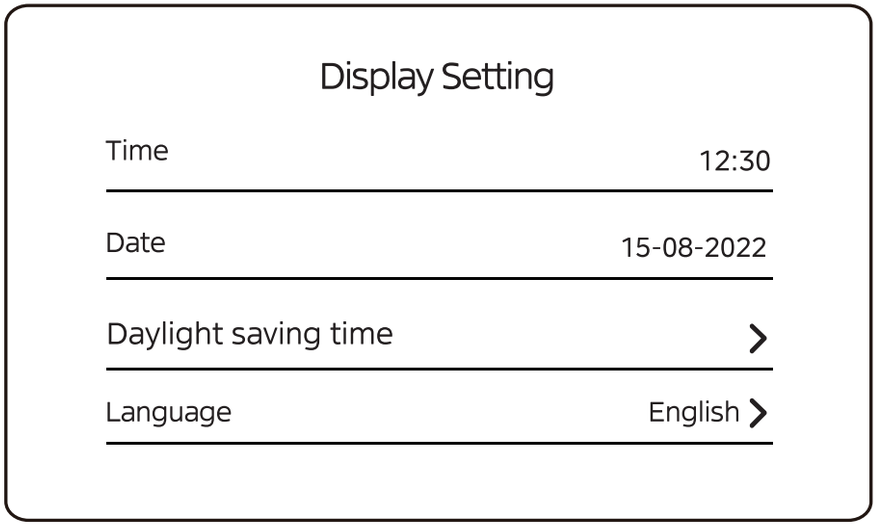
Backup Heater

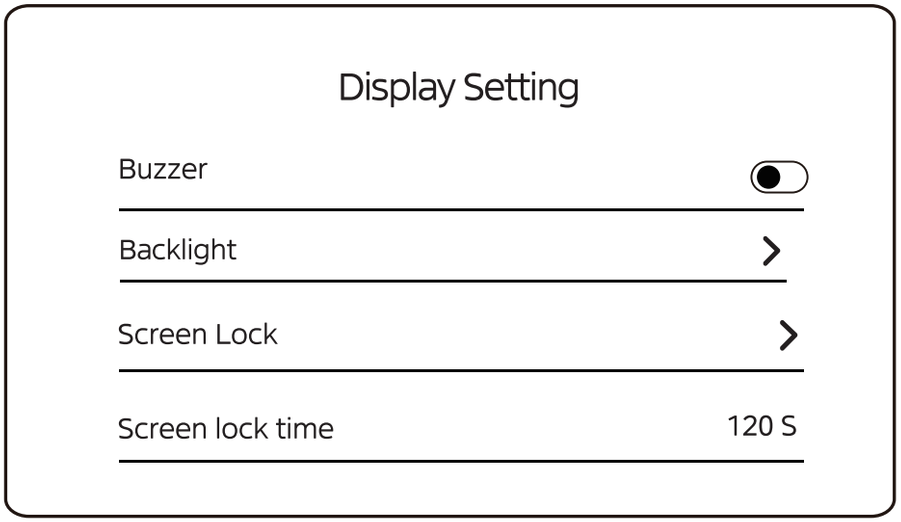
- Invisible when IBH/AHS function is disabled.

The status indicator will turn OFF automatically after the function if off.



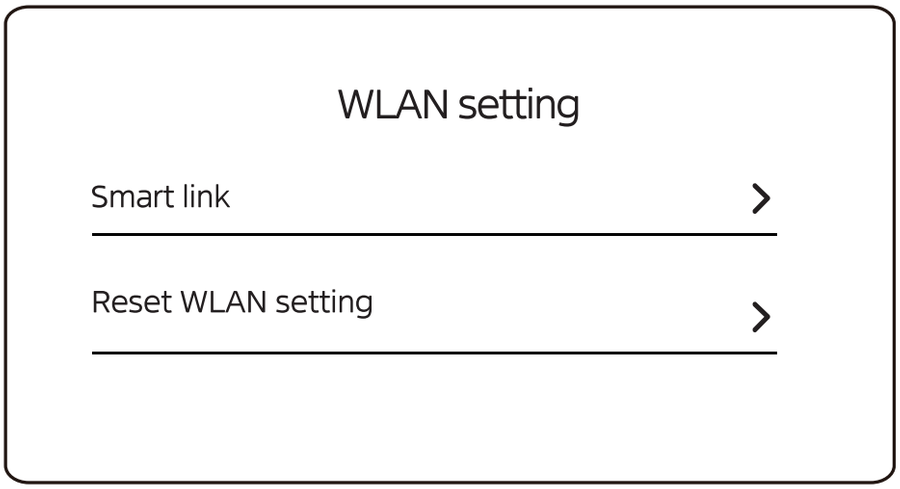
Display Setting





Time	Set the current time of HMI.
Date	Set the current date of HMI.
Daylight saving time	Set summer time start time and end time. **NOTE** Timer could be skipped when the wired controller switches summer time.
Language	Set the language of HMI.
Backlight	Set the backlight brightness.
Buzzer	Indicates the status of Buzzer.
Screen Lock	Reminds user how to lock and unlock the screen.
Screen Lock Time	Set the automatic screen lock timer.
Decimal separator	Switch decimal separator type.

WLAN Setting



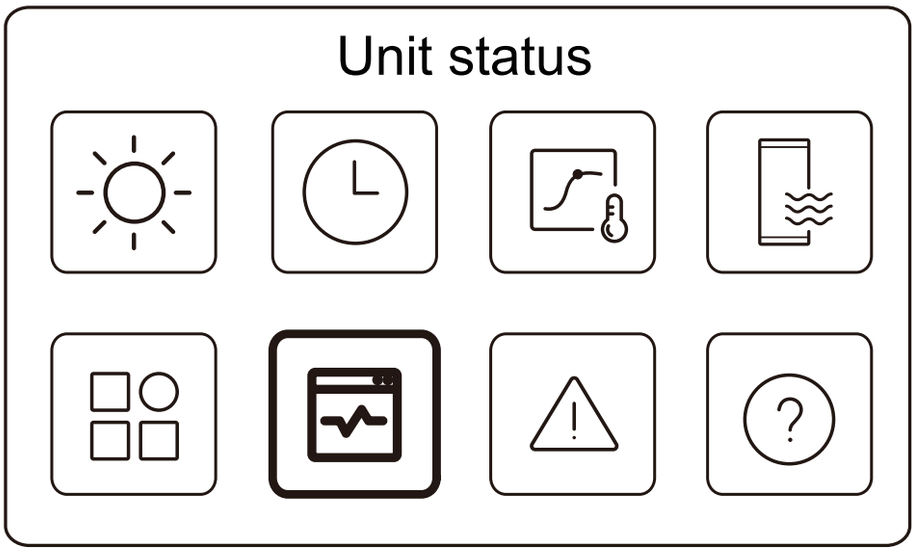
Smart Link	Jump to a new page, which contains the SN code of the wired controller. -Every time you enter the Smart Link screen, the WLAN connection is activated for 5 minutes. -With the WLAN connection activated, connect to the unit through the app. Refer to the instructions of the app for more information.
Reset WLAN setting	A page for confirmation appears. -If you confirm the reset, the unit will disconnect with the app. If you want to use the app to operate the unit, connect the unit with the WLAN again.

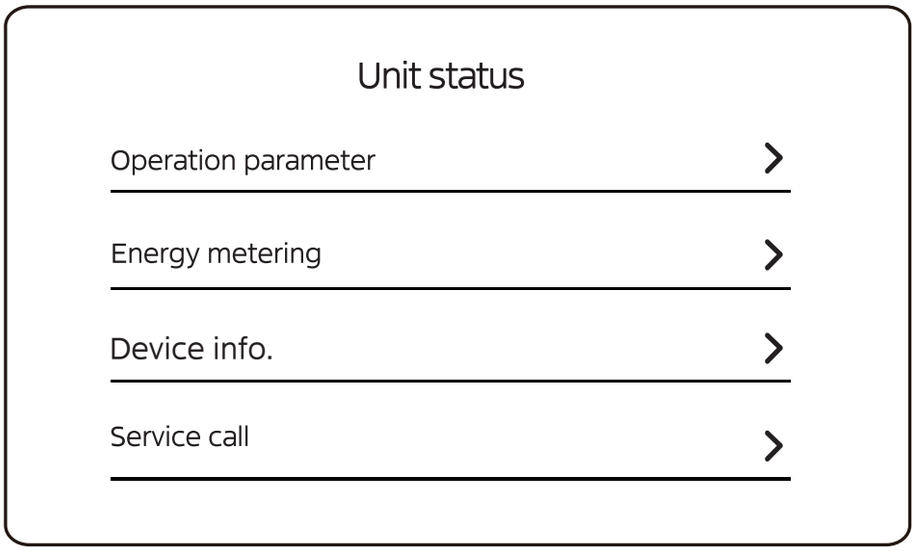
Force Defrost

Current State: Indicates the status of Force Defrost.

- The status indicator will turn OFF automatically after Force Defrost ends.

5.5 Unit Status



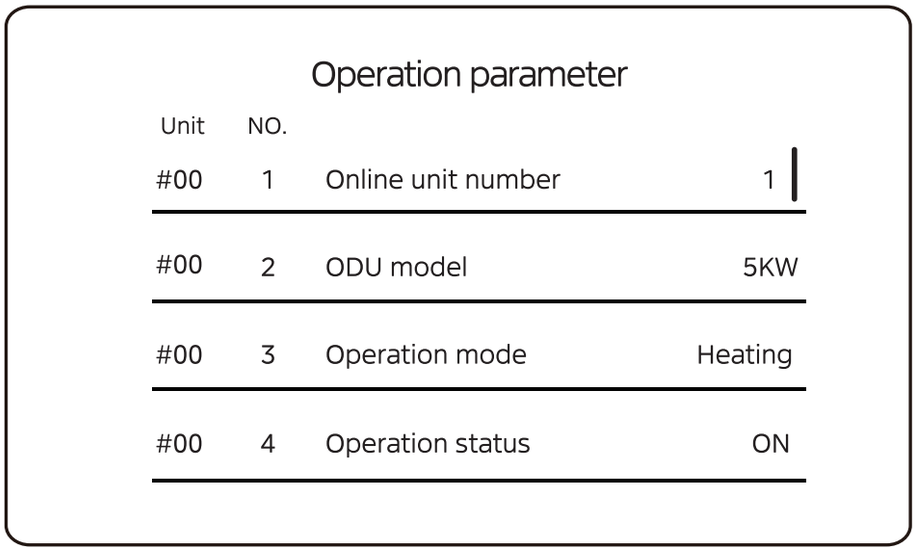


Operation parameter	A list of parameters related to the units (both master units and slave units). You can check the current status of each parameter. Press 〈 or 〉 to switch the unit. -Ask your installer for more information of each parameter.

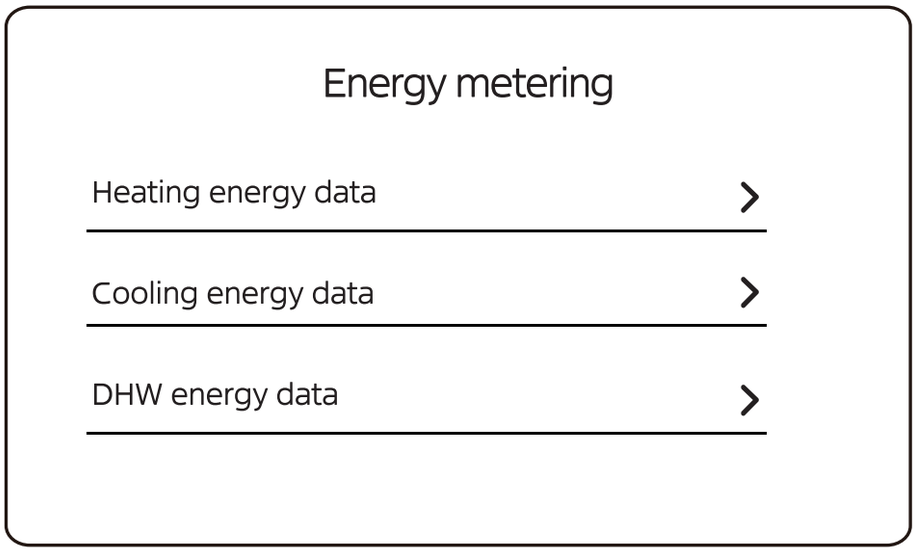
Energy metering	You can check the produced energy, consumed power and efficiency of the unit for every type. Three types in all: -Heating energy data* -Cooling energy data* -DHW energy data* Two functions: -Energy data: you can check the hourly, daily, weekly, monthly, or yearly data or total data. -Historical data: you can check the historical data. **NOTE** • COP/EER is calculated under normal operating conditions.
Device info.	The SN code and software version of the wired controller, outdoor unit or indoor unit (if applicable). Press ∧ to ∨ switch information page (SN code and software) You can check both the master units and slave units. Press < or > to switch the unit (master units and slave units).
Service call	The phone number of your installer or dealer.

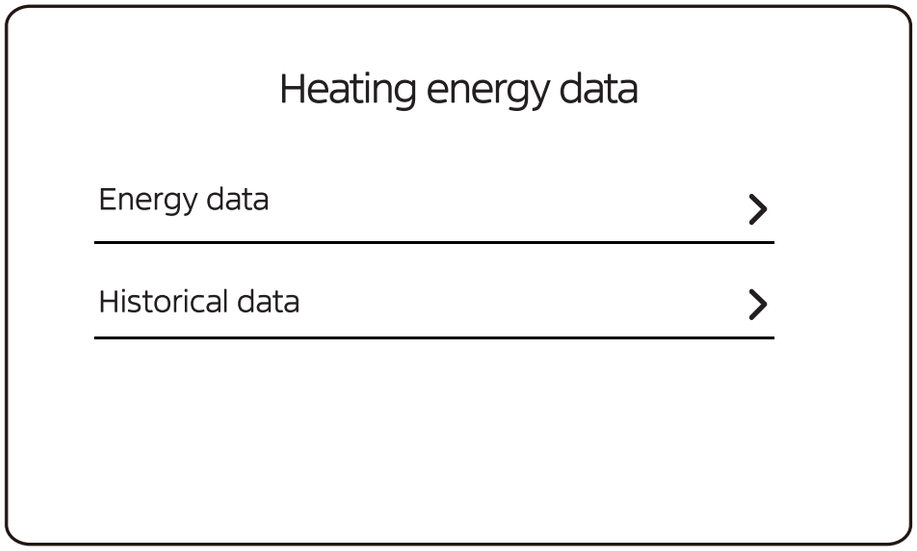
* Visible with --- displayed, if the function is disabled accordingly.

Operation parameter

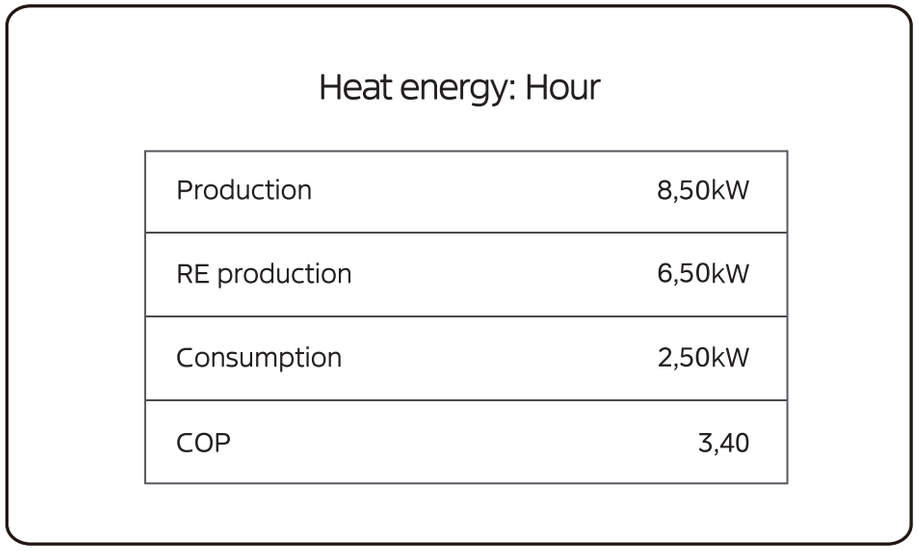


Energy metering

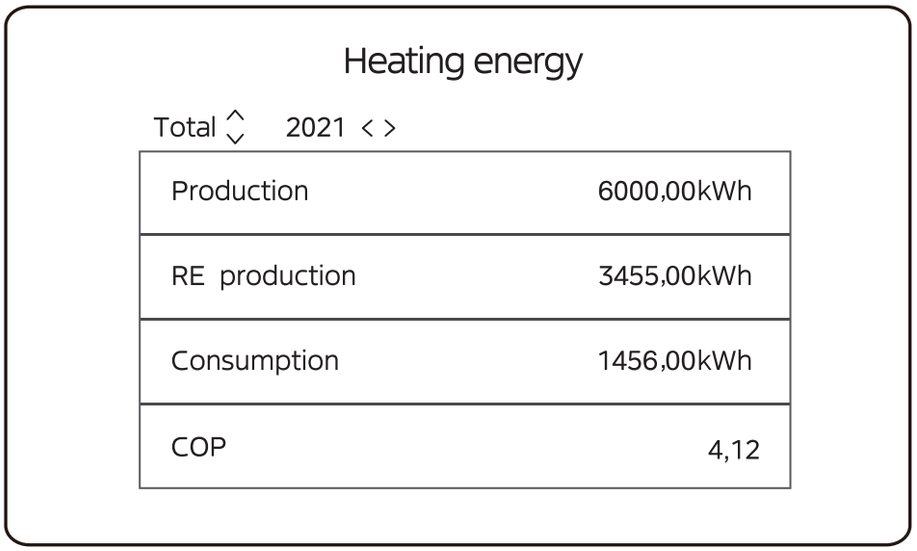



Heating energy data
Energy data
Historical data

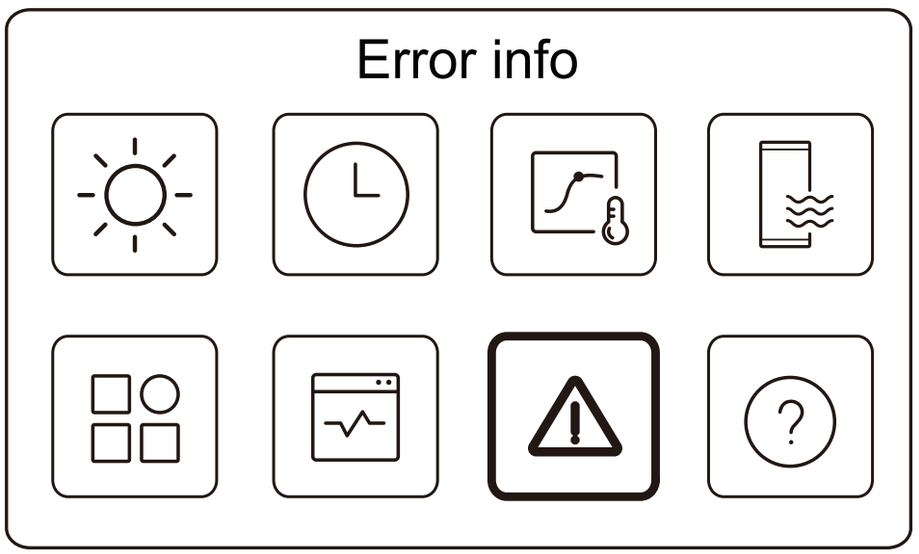
Energy data:


Heat energy: Hour
Production 8,50kW
RE production 6,50kW
Consumption 2,50kW
COP 3,40

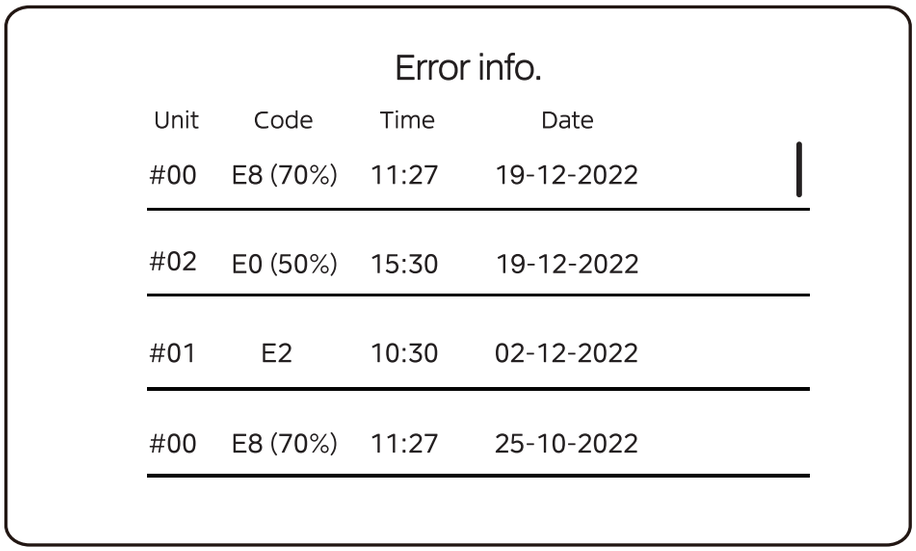
Historical data:



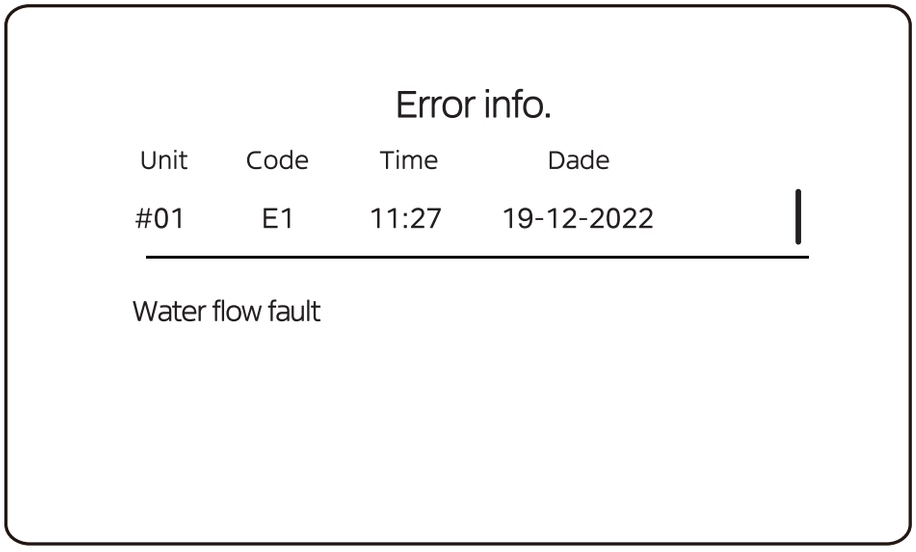
5.6 Error Info



Access icon 7 in page C. Then, unit errors (if any) are displayed.



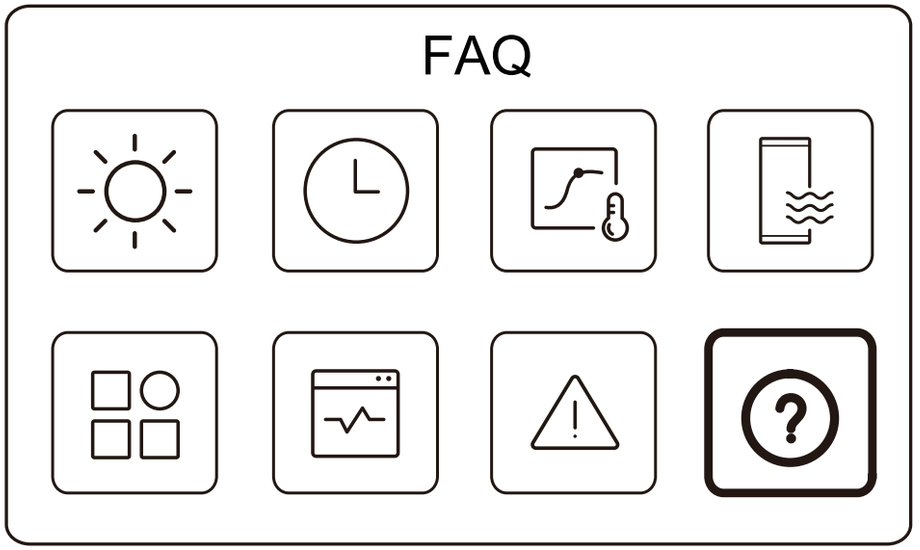
You can press ◯ at each record to check the definition of the error code.



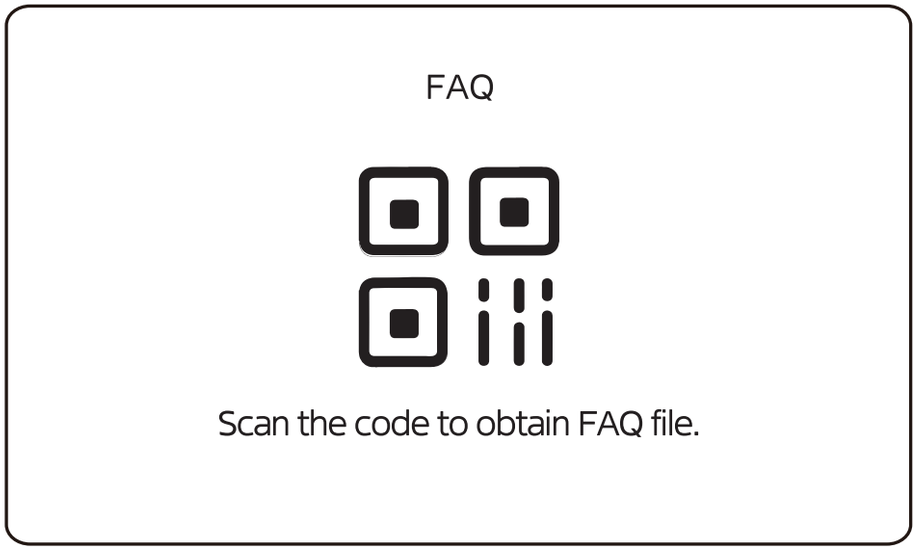
Clear Error info.

Press and hold ◯ for 5 seconds to clear all the records in Error info.

5.7 FAQ



Access icon 8 in page C. Then, a QR code is displayed.



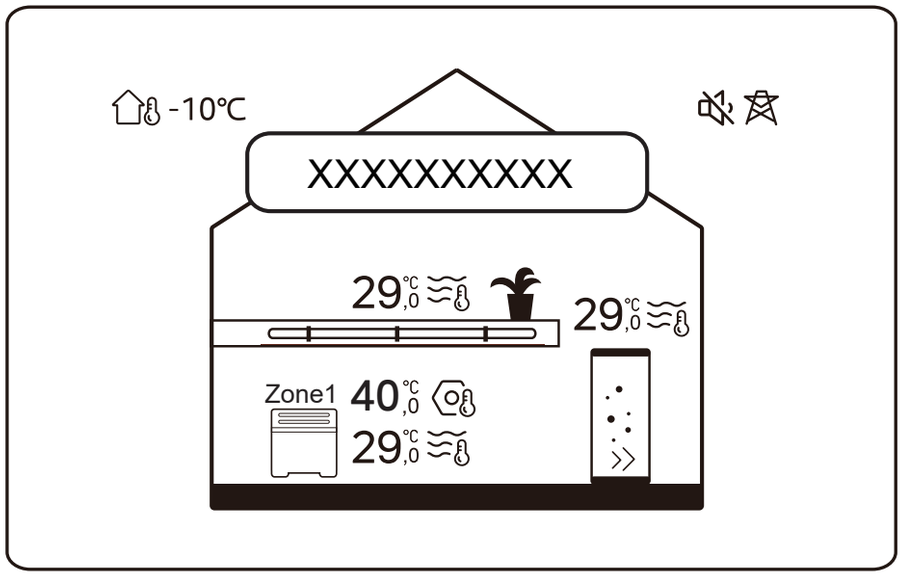
Scan the QR code for more details about the wired controller.

5.8 Sensor backup setting

NOTE

- This function is only available for specific models.

This function will activate automatically when your unit in some specific error. It allows the unit keep working for 48 hours. If the problem is not solved in due time, the unit will shut down automatically.
When the sensor backup function is active, you will see a permanent window in the main page.



The window also indicates the remaining time of this function.

NOTE

- Please contact you installer to solve the problem in time.

6 INSTALLATION CONFIGURATION

To be filled in by the installer.

Code	Setting		Unit
Date			
DHW setting			
DHW mode			/
Disinfect			/
DHW priority			/
Pump_D			/
DHW priority time set			/
dT5_ON			°C
dT1S5			°C
T4DHWMAX			°C
T4DHWMIN			°C
T5S_Disinfect			°C
t_DI_HIGHTEMP.			Minutes
t_DI_MAX			Minutes
t_DHWHP_Restrict			Minutes
t_DHWHP_MAX			Minutes
Pump_D timer			/
Pump_D running time			Minutes
Pump_D disinfect			/

Cooling setting			
Cooling mode			/
t_T4_Fresh_C			Hour
T4CMAX			°C
T4CMIN			°C
dT1SC			°C
dTSC			°C
Zone 1 C-emission			/
Zone 2 C-emission			/
Heating setting			
Heating mode			/
t_T4_Fresh_H			Hours
T4HMAX			°C
T4HMIN			°C
dT1SH			°C
dTSH			°C
Zone 1 H-emission			/
Zone 2 H-emission			/
Force defrost			/
AUTO mode setting			
T4AUTOCMIN			°C
T4AUTOHMAX			°C

Temp. type setting			
Water flow temp.			/
Room temp.			/
Double zone			/
Room thermostat setting			
Room thermostat			/
Mode set priority			/
Other heat source			
IBH function			/
dT1_IBH_ON			°C
t_IBH_Delay			Minutes
T4_IBH_ON			°C
P_IBH1			kW
P_IBH2			kW
AHS function			/
AHS_Pump_I Control			/
dT1_AHS_ON			°C
t_AHS_Delay			Minutes
T4_AHS_ON			°C
EnSwitchPDC			/
GAS-COST			Price/m^3
ELE-COST			Price/kWh
MAX-SETHEATER			°C

MIN-SETHEATER			°C
MAX-SIGHEATER			V
MIN-SIGHEATER			V
TBH function			/
dT5_TBH_ OFF			°C
t_TBH_Delay			Minutes
T4_TBH_ON			°C
P_TBH			kW
Solar function			/
Solar control			/
Deltatsol			°C
Special function			
Preheating for floor			/
T1S			°C
t_ARSTH			Hours
Floor drying up			/
t_Dryup			Days
t_Highpeak			Days
t_Drydown			Days
t_Drypeak			°C

Start time			h/min
Start date			dd/mm/yy
Auto restart			
Auto restart cooling/heating mode			/
Auto restart DHW mode			/
Power input limitation			
Power input limitation			/
Input definition			
M1 M2			/
SMART GRID			/
T1T2			/
TBT			/
P_X port			/
Cascade setting			
PER_START			%
TIME_ADJUST			Minutes
HMI address setting			
HMI address for BMS			/

Stop BIT			/
Common setting			
t_Delay pump			Minutes
t1_Antilock pump			Hours
t2_Antilock pump run			Seconds
t1_Antilock SV			Hours
t2_Antilock SV run			Seconds
Ta-adj.			°C
Pump_I silent output			%
Energy metering			/
Pump_O			/
Intelligent function settings			
Energy correction			/
Sensor backup mode			/

7 OPERATING PARAMETERS

No.	Code	Value		
	Date			
1	ODU model			
2	Operation mode			
3	Comp. frequency			
4	Fan speed			
5	Expansion valve			
6	Tp comp. discharge temp.			
7	Th comp. suction temp.			
8	T3 outdoor exchanger temp.			
9	TL distributor temp.			
10	T4 outdoor air temp.			
11	TF module temp.			
12	P1 comp. pressure			
13	P2 comp. pressure			
14	T2b plate F-in temp.			
15	T2 plate F-out temp.			
16	Tw_in plate water inlet temp.			
17	Tw_out plate water outlet temp.			
18	T1 leaving water temp.			
19	Tw2 circuit2 water temp.			
20	Ta room temp.			

21	T5 water tank temp.			
22	Tbt buffer tank temp.			
23	T1S_C1 CLI. curve temp.			
24	T1S2_C2 CLI. curve temp.			
25	Water pressure			
26	Water flow			
27	ODU current			
28	ODU voltage			
29	DC voltage			
30	DC current			
31	Pump_I PWM			

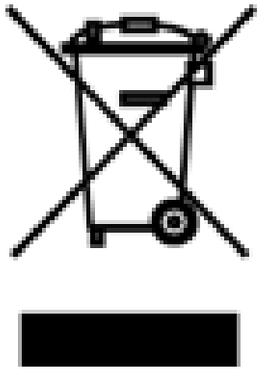
NOTE

NOTES

NOTES

NOTES

NOTE CONCERNING PROTECTION OF ENVIRONMENT



This product must not be disposed of via normal household waste after its service life, but must be taken to a collection station for the recycling of electrical and electronic devices. The symbol on the product, the operating instructions or the packaging indicate such disposal procedures. The materials are recyclable in accordance with their respective symbols. By means of re-use, material recycling or any other form of recycling old appliances you are making an important contribution to the protection of our environment. Please ask your local council where your nearest disposal station is located.

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