

- This manual gives detailed description of the precautions that should be brought to your attention during operation.
 - In order to ensure correct service of the wired controller please read this manual carefully before using the unit.
 - For convenience of future reference, keep this manual after reading it.
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1 GENERAL SAFETY PRECAUTIONS

1.1 About the documentation

- The precautions described in this document cover very important topics, follow them carefully.



DANGER

- Indicates a situation that results in death or serious injury.



DANGER

RISK OF ELECTROCUTION

Indicates a situation that could result in electrocution.



DANGER

RISK OF BURNING

Indicates a situation that could result in burning because of extreme hot or cold temperatures.



DANGER

- Indicates a situation that results in death or serious injury.
- Indicates a situation that could result in death or serious injury.



CAUTION

Indicates a situation that could result in minor or moderate injury.



NOTE

Indicates a situation that could result in minor or moderate injury.



INFORMATION

Indicates useful tips or additional information.

1.2 For the user

- 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.



CAUTION

DO NOT rinse the unit. This may cause electric shocks or fire.

- Unit are marked with the following symbol:



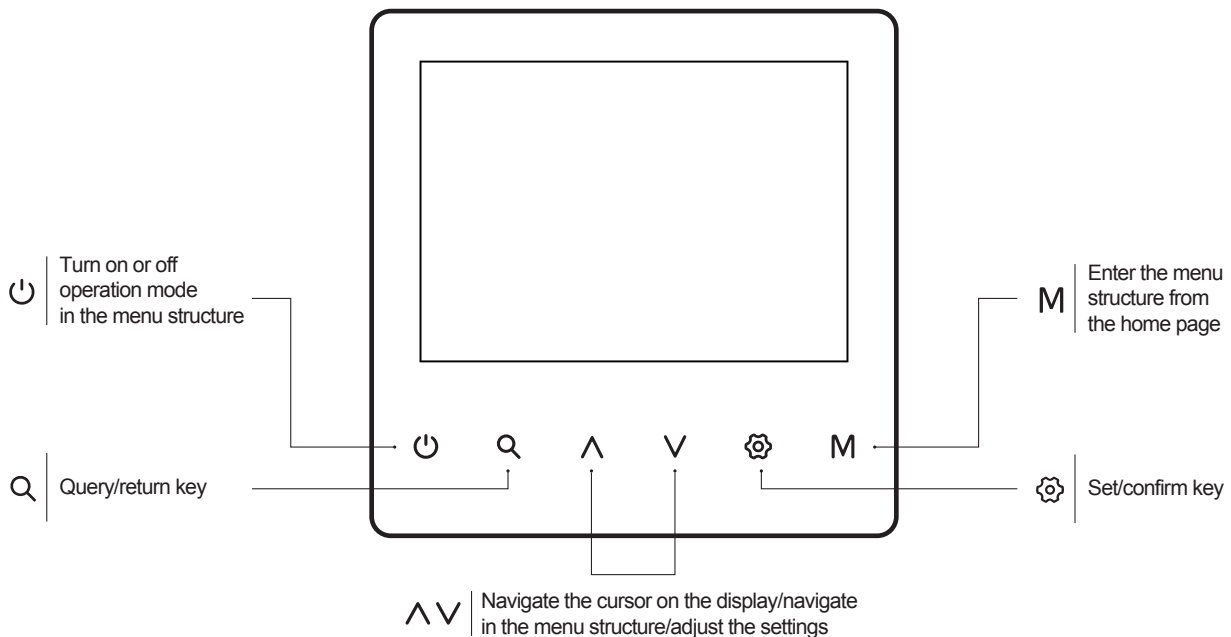
This means that electrical and electronic products can not be mixed with unsorted household waste. Do NOT try to dismantle the system yourself: the dismantling of the system, treatment of the refrigerant, of oil and of other parts must be done by an authorized installer and must comply with applicable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

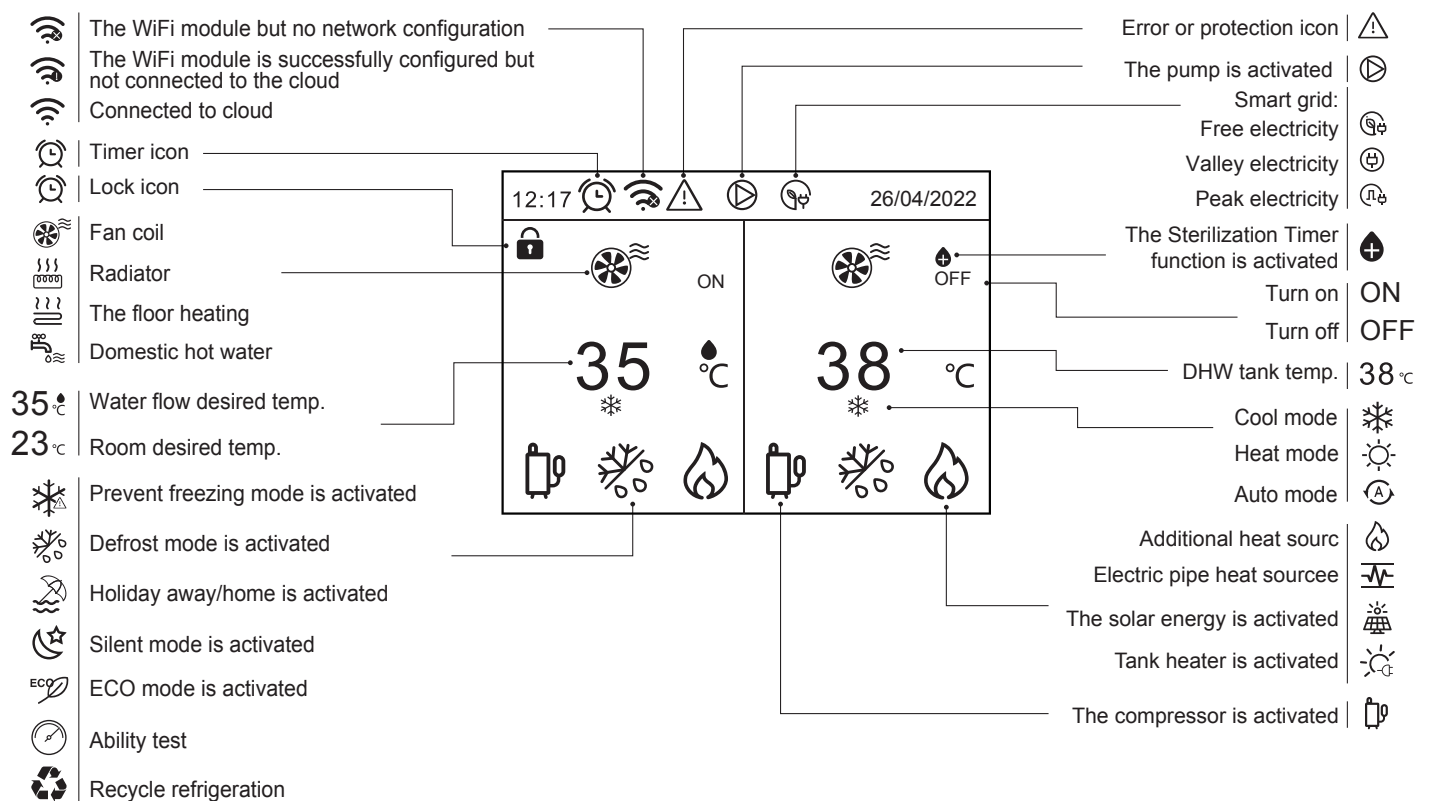
2 A GLANCE OF THE USER INTERFACE

2.1 The appearance of the wired controller

- The precautions described in this document cover very important topics, follow them carefully.



2.2 Status icons



3 USING HOME PAGES

3.1 Initial state

After the wired controller is powered on, it will automatically enter the main page.

When the backlight is fully on, the button is in the wake-up state, and the button operation is valid at this time.



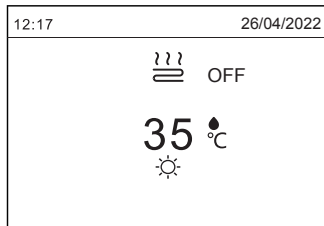
3.2 Home page

You can use the home pages to read out and change settings that are meant for daily usage. What you can see and do on the home pages is described where applicable. Depending on the system layout, the following home pages may be possible:

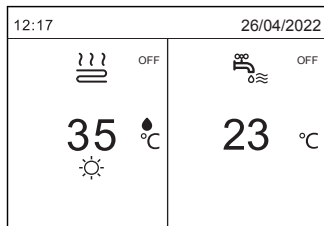
- Water flow desired temperature
- Room desired temperature
- Domestic hot water temperature

Home page 1:

If the wired controller setting is ONE ZONE.T1(see Field settings on INSTALLATION AND OWNER'S MANUAL), and the setting mode is cooling / heating or Auto mode.The following pages are displayed in heating mode.Home page 1 will appear:



If the DHW MODE(see Field settings on INSTALLATION AND OWNER'S MANUAL) is on ,home page 1 will appear:

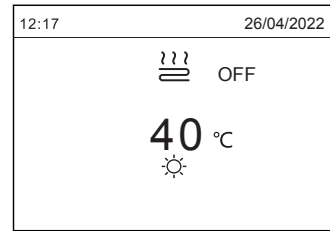


NOTE

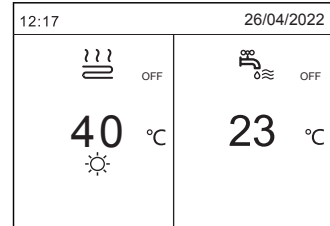
All the pictures in the manual are used to explain, the actual pages in the screen may have some difference.

Home page 2:

If the wired controller setting is ONE ZONE.TA, and the setting mode is cooling / heating or Auto mode.The following pages are displayed in heating mode.Home page 2 will appear:

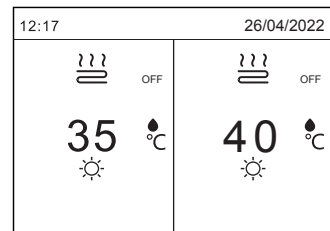


If the DHW MODE is on ,home page 2 will appear:

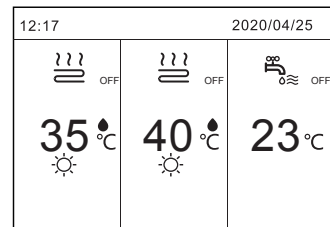


Home page 3:

If the wired controller setting is DUAL ZONE.T1, and the setting mode is cooling / heating or Auto mode.The following pages are displayed in heating mode.Home page 3 will appear:

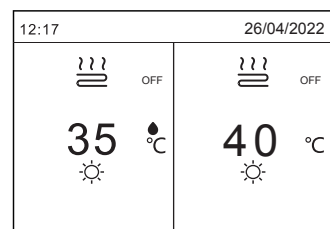


If the DHW MODE is on ,home page 3 will appear:

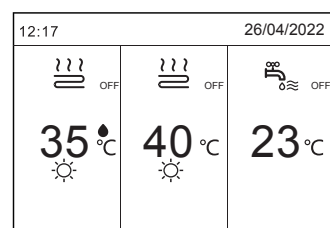


Home page 4:

If the wired controller setting is DUAL ZONE.T1&TA, and the setting mode is cooling / heating or Auto mode.The following pages are displayed in heating mode.Home page 4 will appear:



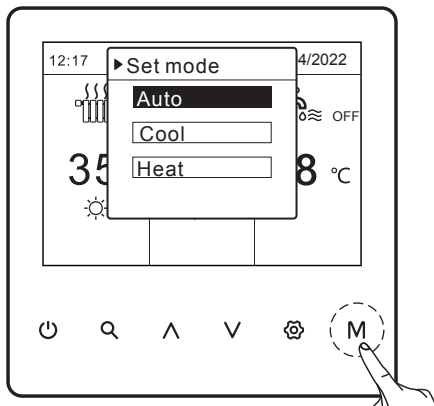
If the DHW MODE is on ,home page 3 will appear:



4 BASIC USAGE

4.1 Adjusting space operation mode

1) Adjusting space operation mode by interface. Press "M", the following page will appear:



2) There are three modes to be selected including Auto, Cool and Heat mode. Use the "∧", "∨" to scroll, press "⊗" to select.

3) The operation mode can not be changed.

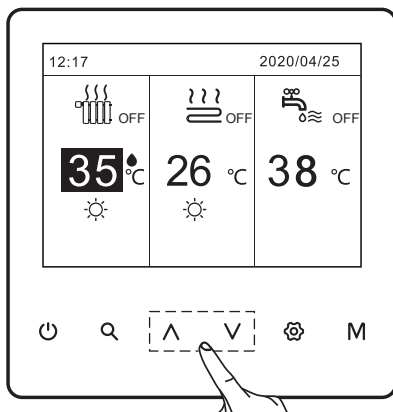
If you select...	Then the space operation mode is...
 AUTO	Automatically changed by the software based on the outdoor temperature (and depending on installer settings of the indoor temperature), and takes monthly restrictions into account. Note: Automatic changeover is only possible under certain conditions.
 COOL	Always cooling mode
 HEAT	Always heating mode

4.2 Turning ON/OFF controls

The following pages show is DUAL ONE.T1&T and DHW MODE is ON.

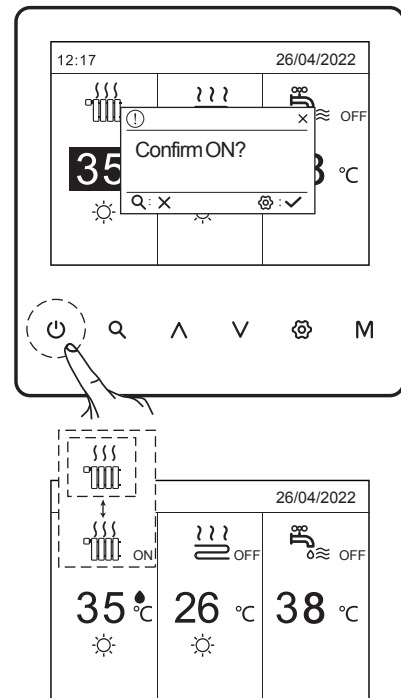
4.1.1 Use the interface to turn on or off the unit for space heating or cooling.

Press "∧" or "∨" on home page, the black cursor will appear:



1) When the cursor is on the temperature of space operation mode side (Including heat mode, cool mode, auto mode and DHW type), press "⏻" to turn on/off space heating or cooling.

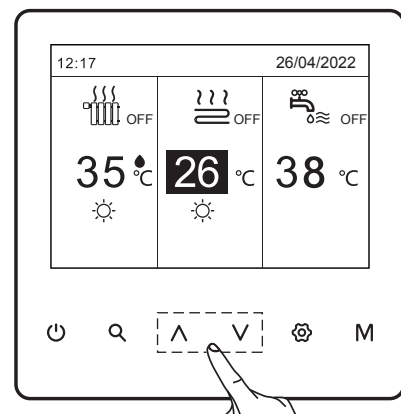
If the space operation mode is set OFF, then following pages will display:



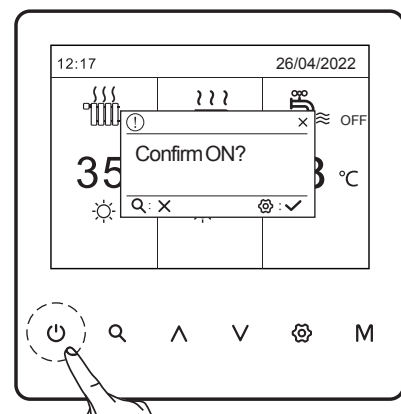
4.2.2 Use the room thermostat to turn on or off the unit for space heating or cooling.

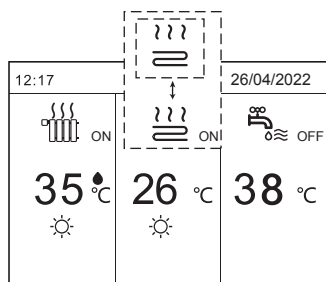
The room thermostat is SET ONE ZONE.TA or DUAL ONE.T1&T (see "Home page 2 or Home page 4"). The room thermostat control the unit ON/OFF.

1) Press "∧" or "∨" on home page, the black cursor will appear:



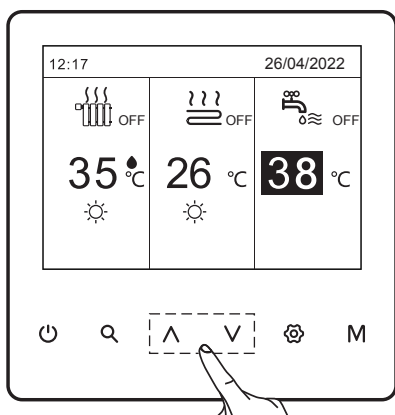
2) Press "⏻" to turn on/off. If the space operation mode is set OFF, then following pages will display:



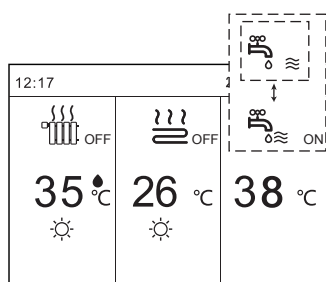
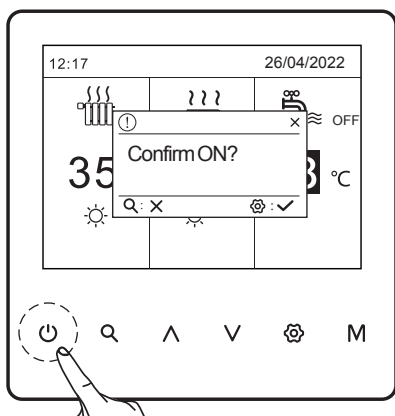


4.2.3 Use the interface to turn on or off the unit for DHW.

1) Press "∧" or "∨" on home page, the black cursor will appear:

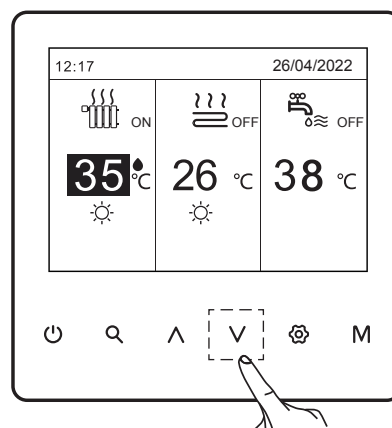


When the cursor is on the temperature of DHW mode. Press "⏻" to turn on/off. If the space operation mode is OFF, then following pages will display:

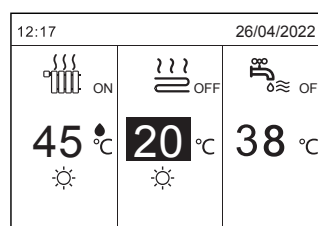
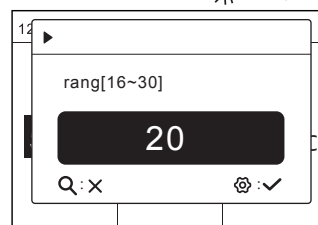
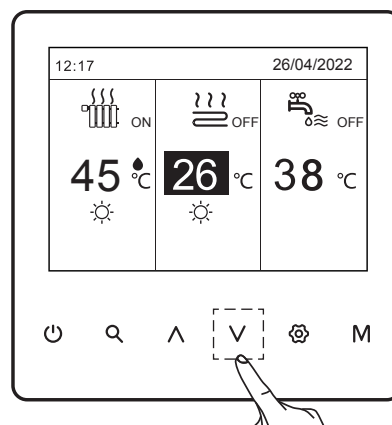
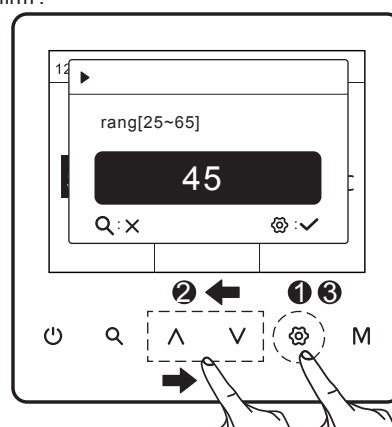


4.3 Adjusting the temperature

Press "∨" on home page, the black cursor will appear:

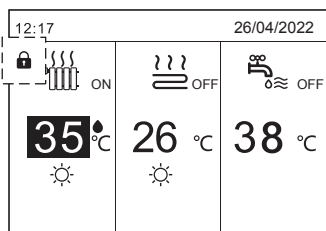


If the cursor is on the temperature, press "⊗" to confirm, use the "∧" or "∨" to select and adjust the temperature, then press "⊗" to confirm.

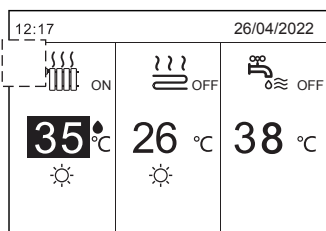
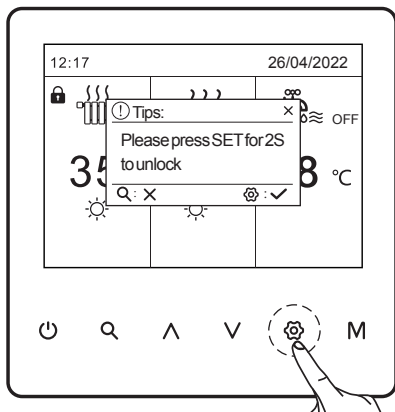


4.4 Screen Unlock

If the icon is on the screen, the controller is locked. The following page is displayed:

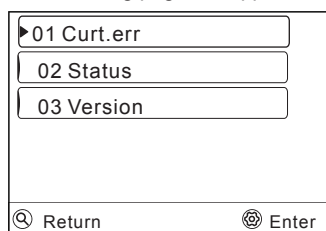


Please press "⊗" for 2 seconds to unlock. The icon ⊗ will disappear, the interface can be controlled.



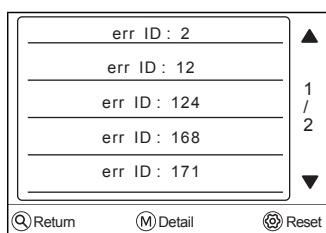
4.5 User query

Press "Q". The following page will appear:



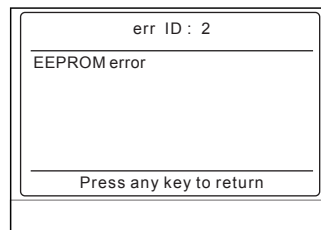
4.5.1 Curt.err

Go to "Q" > "01Curt.err". Press "⊗". The following page will appear:



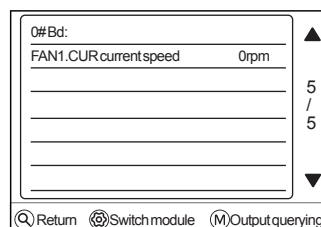
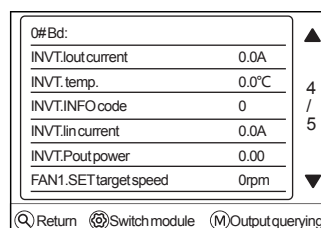
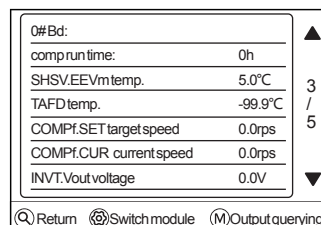
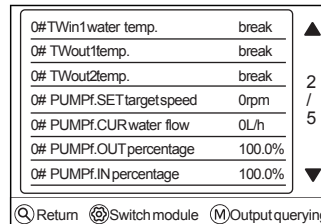
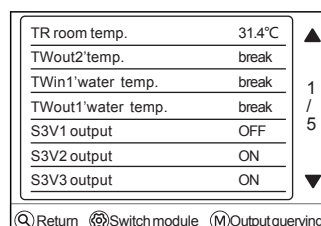
Press "⊗" to reset the fault. If there is no fault, it will return to the main interface; if there is a fault, it will continue to display the current fault.

Use the "∧" or "∨" to scroll, press "M" to view error code details:



4.5.2 Status

Go to "Q" > "02 Status". Press "⊗". There are Five pages for the operating parameter as following. Press "∧" or "∨" to check slave units' operation parameter in cascade system.



i INFORMATION

The power consumption parameter is optional. If some parameter is not be activated in the system, the parameter will show "break". The heat pump capacity is for reference only, not used to judge the ability of the unit. The accuracy of sensor is $\pm 1^{\circ}\text{C}$. The flow rates parameters are calculated according to the pump running parameters, the deviation is different at different flow rates, the maximum of deviation is 15%. The flow parameters are calculated according to the electrical parameters of the pump operation. The operating voltage is different and the deviation is different. The display value is 0 when the voltage is less than 198V.

4.5.3 Version

Go to "Q" > "03 Version". Press "⊗". The following page will appear:

HMI X1 ver	▲
X1.HD014A.K00.002-1.V100A02	1 / 2
HMI X7 ver	▼
X7.HD014A.K00.002-1.V100A02	
Q#INV version:	
0.0	
⌂ Return	⊗ Set

Q#IDU version:	▲
X1.HL080A.K05.001-1.V100A05A	1 / 2
Q#ODU version	▼
.....	
⌂ Return	⊗ Set

Use the "▲" or "▼" to scroll and view.

5 MENU STRUCTURE

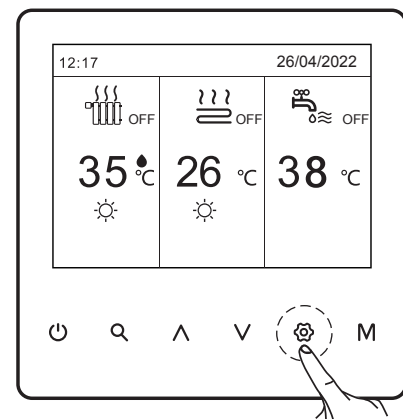
5.1 About the menu structure

You can use the menu structure to read out and configure settings that are NOT meant for daily usage. What you can see and do in the menu structure is described where applicable. For an overview of the menu structure.

5.2 To go to the menu structure

From a home page, press "⊗".

If the DHW MODE is on, the menu structure will appear:



01 Display setting	▲
02 Time and date	
03 Timer	1 / 3
04 WIFI setting	
05 User Parameters	▼
⌂ Return	⊗ Enter

06 Manual defrost	▲
07 History error	
08 Floor dry up	2 / 3
09 Force Open I heat	
10 Force Open T heat	▼
⌂ Return	⊗ Enter

11 Force Hot Water	▲
12 Force AHS	
13 Holi.Mode Set	3 / 3
14 Advanced setting	▼
⌂ Return	⊗ Enter

If the DHW MODE is OFF, the menu structure will appear:

06 Manual defrost	▲
07 History error	
08 Floor dry up	2 / 3
09 Force Open I heat	
10 Force AHS	▼
⌂ Return	⊗ Enter

11 Holi.Mode Set	▲
12 Advanced setting	
	3 / 3
	▼
⌂ Return	⊗ Enter

Use "▲" or "▼" to scroll.

6 OPERATION

6.1 Display setting

Go to "⚙ > 01 Display setting ".Press" ⚙ " to enter . The following page will appear:

01 languageEnglish

02 Screen_brightMID1 / 3

03 Screen lockUnuse3

04 Screen lock time30S

ReturnConfigure

05 Screen time10min

06 key buzzerUnuse2 / 3

07 Power led onUnuse3

08 SensitivityHIGH

ReturnConfigure

09 Temp. cmpst.0.0°C

10 Alarm sound set10s only3 / 3

ReturnConfigure

Use" ^ "or" v " to scroll and use "⚙" to confirm .

6.1.1 Language setting

If you want to choose your preferred language.Use " ^ " or " v " to scroll and select language.There are seven languages can be selected.

01 languageLanguage

02 Screen_brightEnglish1 / 3

03 Screen lockPolish3

04 Screen lockSpanish

05 Screen lockGreek

ReturnConfigure

01 languageLanguage

02 Screen_brightFrench1 / 3

03 Screen lockItalian3

04 Screen lockChinese

ReturnConfigure

Press "⚙" to enter the restart interface.The following page will appear:

01 languageEnglish

02 Screen_brightConfirm to change language and reload?1 / 3

03 Screen lock30S3

04 Screen lock time30S

ReturnConfigure

Welcome

check update...

X1.HD014A.K00.002-1.V100A00
X1.HL080A.K05.001-1.V100C00

The interface will be restarted.

6.1.2 Screen time setting

Go to "⚙ > 01 Display setting >05 Screen time ". Press" ⚙ ". The following page will appear:

Screen time

rang[0~100]

10

1 / 2

ReturnConfigure

Use " ^ " or " v " to scroll and select the time,Press "⚙" to confirm.

ⓘ INFORMATION

If the set screen saver time is 10 minutes, and there is no key operation for 10 minutes, the screen will turn off and enter the sleep state. In the sleep state, touch any key or swipe the screen with your hand to enter the wake-up state, and the key operation is valid at this time.

6.2 Time and date setting

Go to "⚙ > 02 Time and date ". Press" ⚙ "to confirm. The following page will appear:

Time and date

25 - 07 - 2022

14 : 14 : 22

ReturnConfigure

At this time, it is displayed as real-time time, and the system starts and stops regularly based on this reference. Use " v " or " ^ " to scroll and adjust the year,the month,the day,the hour and the minute.

6.3 Timer

Go to "☞ > 03 Timer ". Press "☞ " to enter. The following page will appear:

▶ 01 Timed on/off
02 Sterilization Timer
03 Silent Timer
04 DHW pump
Return Enter

Use "▲" or "▼" to scroll and use "☞" to enter .

6.3.1 Timed on/off

Timed on/off menu contents as follows:

- 1) Daily Schedule
- 2) Weekly Schedule
- 3) Cancel timer

1) Daily Schedule

If the weekly schedule function is on, the Daily Schedule function is off, the later setting is effective. If the Daily Schedule function is activated, ☞ is displayed on home page.

NO.	START	END	MODE	TEMP	▲
○ 1	01:00	03:00	DHW	50°C	1 / 2 ▼
○ 2	07:00	09:00	HEAT	28°C	
○ 3	11:30	13:00	COOL	20°C	
Return Select Enter					

NO.	START	END	MODE	TEMP	▲
○ 4	14:00	16:00	HEAT	28°C	2 / 2 ▼
○ 5	15:00	19:00	COOL	20°C	
○ 6	18:00	23:30	DHW	50°C	
Return Select Enter					

Press "M" to select or unselect. (☑ the timer is selected. ○ the timer is unselected.) six timers can be set.

Press "☞" to enter adjust interface. Use "▲" or "▼" to scroll and press "☞" to adjust the time, the mode and the temperature. The following page will appear:

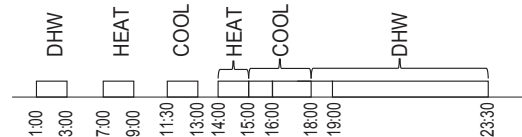
START	17	:	30
END	20	:	30
MODE	COOL		
TEMP	20°C		
Return Configure			

Example:

Six timers is set as following:

NO.	START	END	MODE	TEMP
T1	1:00	3:00	DHW	50°C
T2	7:00	9:00	HEAT	28°C
T3	11:00	19:00	COOL	20°C
T4	13:00	13:00	HEAT	28°C
T5	15:00	16:00	COOL	20°C
T6	18:00	23:30	DHW	50°C

The unit will run as following:



The operation of the controller at the following time:

TIME	The operatin of the controller
1: 00	DHW mode is turned ON
3: 00	DHW mode is turned OFF
7: 00	HEAT MODE is turned ON
9: 00	HEAT MODE is turned OFF
11: 30	COOL MODE is turned ON
13: 00	COOL MODE is turned OFF
14: 00	HEAT MODE is turned ON
15: 00	COOL MODE is turned ON and HEAT MODE is turned OFF
18: 00	DHW MODE is turned ON and COOL MODE is turned OFF
23: 30	DHW mode is turned OFF

i INFORMATION

If the start time is same to the end time in one timer, the Daily Schedule function is invalid.

2) Weekly schedule

If the Daily Schedule function is on and the weekly schedule function is off, the later setting is effective.

Go to "☞ > 03 Timer > 01 Timed on/off > 02 Weekly schedule". Press "☞" to enter. The following page will appear:

Sun	Mon	Tue	Wed	Thu	Fri	Sat
☐	☐	☐	☐	☐	☐	☐
NEXT						
Return Configure						

First, select the days of the week you wish to schedule. Use "▼" or "▲" to scroll, press "☞" to select or unselect the day. "☑" means that the day is selected, "☐" means that the day is unselected.

i INFORMATION

We must set two days at least when we want to enable WEEKLY SCHEDULE function.

Use " ^ " or " v " to select, press " ⏻ " to set. The following pages will appear:

The Sunday to Thursday are selected to be scheduled and they have the same schedule. Then press " v " to move to the NEXT. Press " ⏻ " to confirm. The following pages will appear:

The setting method refer to timer setting. The end time must be later than the start time. Otherwise this will show that Daily Schedule is useless.

3) Cancel timer

Go to " ⏻ " > "01 Timer" > "03 Cancel timer". Press " ⏻ ". The following page will appear:

Press " ⏻ " to cancel timer. If you want to exit Cancel timer, press " Q ".

If Daily Schedule or Weekly schedule is activated, the icon " ⏻ " will display on the home page.

If Daily Schedule or Weekly schedule is canceled, the icon " ⏻ " will disappear on the home page.

i INFORMATION

You have to reset Daily/Weekly Schedule, if you change the WATER FLOW TEMP. to the ROOM TEMP. or you change the ROOM TEMP. to the WATER FLOW TEMP. The TIMER or WEEKLY SCHEDULE is invalid, if ROOM THERMOSTAT is effect.

i INFORMATION

- The ECO has the highest priority, the Daily/Weekly Schedule has the second priority and the PRESET TEMP. or WEATHER TEMP.SET has the lowest priority.
- The WEATHER TEMP. SET becomes invalid, when we set the ECO valid. We must reset the WEATHER TEMP. SET when we set the ECO invalid.
- Daily/Weekly Schedule is invalid when ECO is valid. TIMER or WEEKLY SCHEDULE is activated when the ECO is not running.
- Daily/Weekly Schedule are on the same priority. The later setting function is valid. The WEATHER TEMP. SET is not affected by the setting of Daily/Weekly Schedule.
- WATHER TEMP.SET are on the same priority. The later setting function is valid.

i INFORMATION

All about the time set items(Sterilization Timer / DHW PUMP / Daily Schedule / Weekly Schedule / Slient Timer / Holiday ModeSet).

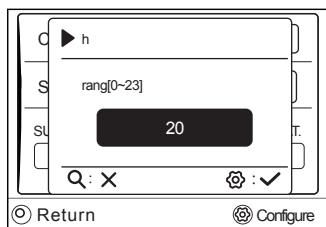
6.3.2 Sterilization Timer

The Sterilization Timer function is used to kill the legionella. In the Sterilization Timer function, the tank temperature will be reached 65~70°C forcibly.

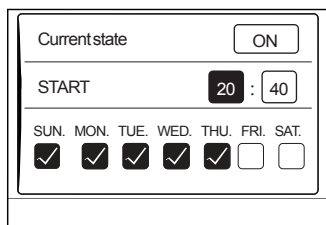
Go to " ⏻ " > "03 Timer" > "02 Sterilization Timer". Press " ⏻ ". The following page will appear:

Use the " ^ " or " v " to scroll and enter the Current state interface. Press " ⏻ " to select OFF or ON. If it is "OFF", at this time, Press " ⏻ " to start sterilize, then press " ⏻ " to turn off.

Use the " ^ " or " v " to scroll and enter the START interface. Press " ⏻ " to enter the time adjustment interface. Use the " ^ " or " v " to adjust the parameters. Press " ⏻ ". The following page will appear:



Use the "▲" or "▼" to scroll and adjust date. Press "⊗". The following page will appear:

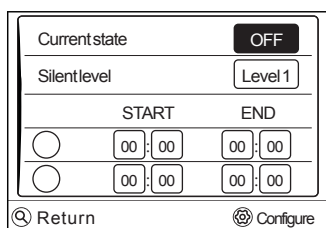


Go to the home page to check if Sterilization Timer is activated. If the Sterilization Timer is activated, "⊕" will be displayed on the home page.

6.3.3 Slient Timer

The Slient Timer is used to decrease the sound of the unit. However, it also decreases the heating/cooling capacity of the system.

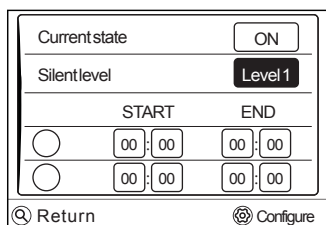
- Go to the home page to check if silent mode is activated. If the silent mode is activated, "☾" will be displayed on the home page.
- Go to "⊗" > "03 Timer" > "03 Slient Timer". Press "⊗". The following page will appear:



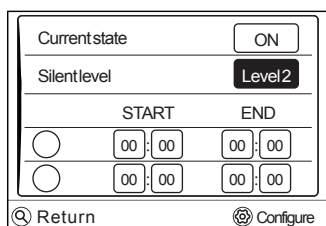
Use "⊗" to select ON or OFF.

Description:

If Current state is OFF, Slient Timer is invalid. When you select Silent level, and press "⊗" to select Level 1 or Level 2. The following page will appear:

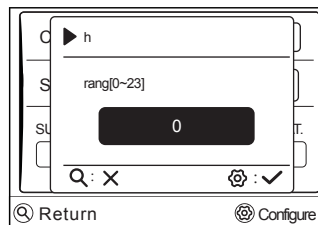
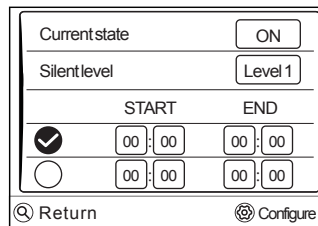


Level 1



Level 2

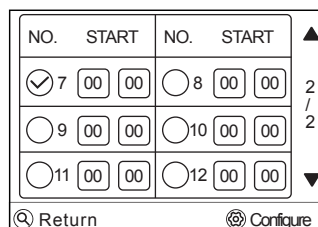
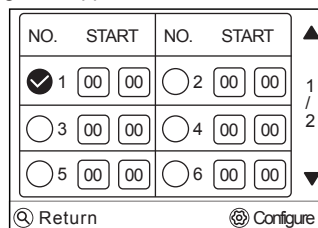
There are two timers for setting. Move to "○", press "⊗" to select or unselect. The following page will appear:



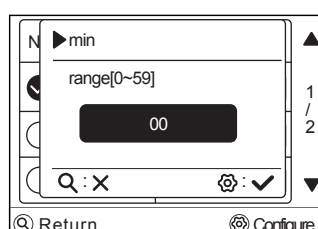
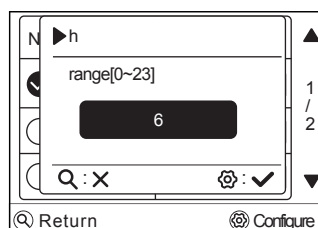
If the two time are both unselected, the silent mode will operate in all time. Otherwise, it will operate according as the time.

6.3.4 DHW pump

The DHW pump function is used to return water of the water net. Go to "⊗" > "03 Timer" > "04 DHW pump". Press "⊗". The following page will appear:



Move to "○", press "⊗" to select or unselect. (☑ the timer is selected. ○ the timer is unselected.)



NO.	START	NO.	START	
✓ 1	06 00	● 2	00 00	1 / 2
○ 3	00 00	○ 4	00 00	
○ 5	00 00	○ 6	00 00	

Return Configure

Use " ^ " or " v " to scroll and adjust the parameters.

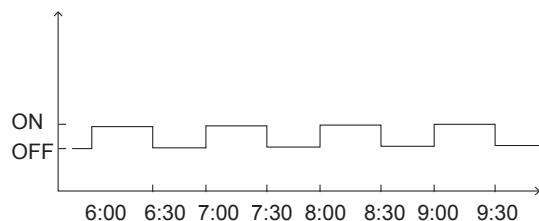
For example: you have set the parameter about the DHW Schedule. PUMP RUNNING TIME is 30 minutes.

Set as follows:

NO.	START
1	6:00
2	7:00
3	8:00
4	9:00

The PUMP will run as follows:

PUMP



6.4 WIFI setting

- The wired controller realizes intelligent control with a built-in module, which receives control signal from the APP.
- Before connecting the WLAN, please check for it if the router in your environment is active and make sure that the wired controller is well-connected to the wireless signal.
- During the Wireless distribution process, the LCD icon " " flashes to indicate that the network is being deployed. After the process is completed, the icon " " will be constantly on.

Go to " " > "04 WIFI setting". Press " ". The following page will appear:

WiFi status: configuring the network in smart mode

MAC address: D8-1F-12-62-9E-4D

How to add device:

- 1: Click 'Add device' in app
- 2: use app to scan the QR to add device, Click next to scan QR

Return Nextpage Reset WIFI

1. Please make sure that the wifi status is in "Smart configuration mode"

2. If TCL APP is not installed on the smart mobile phone, scan the QR code on the left to download

3. Enter the TCL app, click the "+" in the upper right corner, click the upper right corner to scan the QR code on the right, and follow the pop-up instructions to add

4. After the addition is successful, the wifi status changes to connected to the cloud server"

Return Previous page Nextpage

Return Previous page

6.5 User Parameters

There are seven pages to show the parameter:

CTRL_MODE Heat

COOL_TEMP_SET 7°C

HEAT_TEMP_SET 45°C

HOT_WATER_TEMP_SET 50°C

Return Configure

COOL_ROOM_TEMP_SET 26°C

HEAT_ROOM_TEMP_SET 20°C

HEAT_TEMP_SET_B 40°C

HEAT_ROOM_TEMP_SET_B 20°C

Return Configure

POWER_MODE STRONG

DISINFECTION OFF

DISINFECTION_TEMP 65°C

DISINFECTION_CYCLE_MAX 210min

Return Configure

DISINFECT_HIGH_TEMP_TIME 15min

A_ZONE_COOL_CURVE OFF

A_ZONE_HEAT_CURVE OFF

B_ZONE_COOL_CURVE OFF

Return Configure

B_ZONE_HEAT_CURVE ECO

C#9_TA_C1 35°C

C#9_TA_C2 25°C

C#9_TWout2_C1 10°C

Return Configure

C#9_TWout2_C2 16°C

C#9_TA_H1 7°C

C#9_TA_H2 -5°C

C#9_TWout2_H1 28°C

Return Configure

C#9_TWout2_H2 35°C

00#UNIT ON

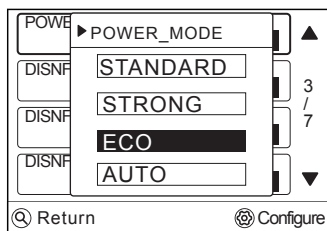
Return GROUP:1 Configure

Use " ^ " or " v " to scroll and adjust the parameters.

C#9_TA_C1	Curve 9 Cooling ambient temperature 1
C#9_TA_C2	Curve 9 Cooling ambient temperature 2
C#9_TWout2_C1	Curve 9 Cooling outlet water temperature 1
C#9_TWout2_C2	Curve 9 Cooling outlet water temperature 2
C#9_TA_H1	Curve 9 Heating ambient temperature 1
C#9_TA_H2	Curve 9 Heating ambient temperature 2
C#9_TWout2_H1	Curve 9 Heating outlet water temperature 1
C#9_TWout2_H2	Curve 9 Heating outlet water temperature 2
00#UNIT	00#UNIT setting

6.5.1 POWE MODE

There are four mode to show. Go to " " > "05 User parameters" > "POWER MODE". Press " ". Use the " ^ " or " v " to scroll, press " " to select. The following page will appear:

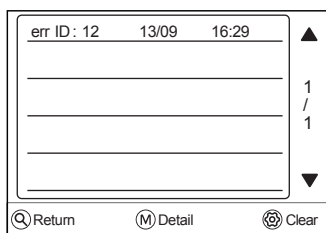


Go to the home page to check if silent mode is activated. If the ECO mode is activated, " " will be displayed on the home page.

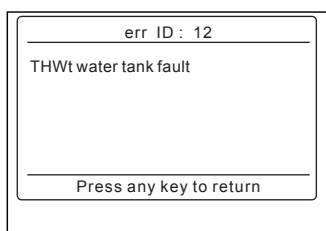
6.6 History error

Error code is used to show when the fault or protection happen and show the mean of the error code.

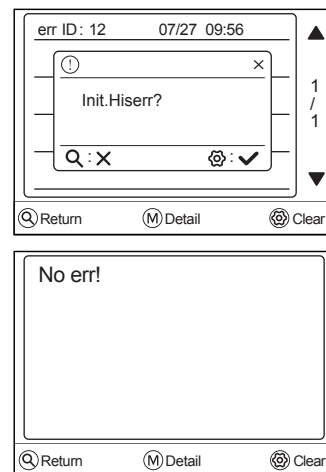
Go to " " > "07 History error". Press " " to enter the historical error query interface. The following page will appear:



Press " M " to view error code details:



If you want to clear the history error codes, Press " " to clear. The following page will appear:

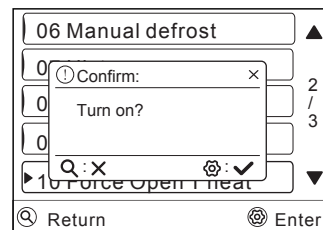


6.7 Force Open Tank heat

The Force Open Tank heat function is used to force the system to operate in DHW mode. (Turn on the HOT_WATER function, see Field settings on INSTALLATION AND OWNER'S MANUAL)

The tank heater function is used to force the tank heater to heat the water in tank. In the same situation, the cooling or heating is required and the heat pump system is operating for cooling or heating, however there still is a demand for the hot water. Also, even if the heat pump system fails, TANK HEATER can be used to heat water in tank.

Go to " " > "10 Force Open T heat". Press " ". The following page will appear:



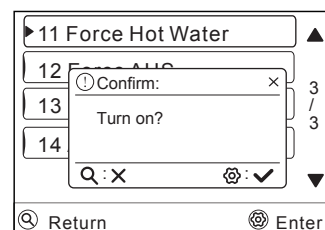
Use " Q " to select OFF and use " " key to select ON.

6.8 Force Hot Water

The Force Hot Water function is used to force the system to operate in DHW mode. (Turn on the HOT_WATER function, see Field settings on INSTALLATION AND OWNER'S MANUAL)

The heat pump and the booster heater or addition heater will operate for DHW mode together, and the DHW desired temperature will be changed to 60°C.

Go to " " > "10 Force Hot Water ". Press " ", the following page will appear:



Use " Q " to select OFF and use " " key to select ON.

! INFORMATION

If current state is OFF, the Force Hot Water function is invalid, and if current state is ON, the Force Hot Water function is effective. The Force Hot Water function is once effective.

6.9 Holiday ModeSet

There are two Mode for setting.

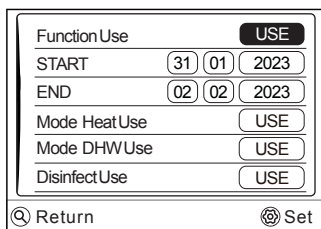
- 1) Holiday Away
- 2) Holiday Home

6.9.1 Holiday Away

- If the holiday away mode is activated,  will display on the home page.

The holiday away function is used to prevent frozen in the winter during the outside holiday, and return the unit before the end of the holiday.

Go to "☞" > "13 Holi.ModeSet" > "01 Holiday Away". Press "☞". The following page will appear:



Usage example: You go away during the winter. The current date is 2023-01-31, two days later is 2023-02-02, it is the beginning date of the holiday.

- If you are in the following situation: In 2 days, you go away for 2 weeks during the winter.
- You want to save energy, but prevent your house from freezing.

Then you can do the following:

- 1) Configure the holiday away the following settings:
- 2) Activate the holiday mode.

Go to "HoliMode". Press "☞" to select "USE" or "UNUSE".

INFORMATION

- If DHW mode in holiday away mode is ON, The disinfect set by user is invalid.
- If Holiday Away mode is ON, The timer and weekly schedule are invalid except exit.
- If the Function Use is OFF, the Holiday Away is OFF.
- If the Function Use is ON, the Holiday Away is ON.
- Sterilizing the unit on 23:00 of the last day if Sterilization Timer is ON.
- When in Holiday Away mode, the climate related curves previously set is invalid, and the curves will automatically take effect after the holiday away mode is ends.

6.9.2 Holiday Home

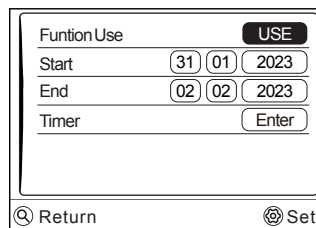
The holiday home function is used to deviate from the normal schedules without having to change them during the holiday at home.

- During your holiday, you can use the holiday mode to deviate from your normal schedules without having to change them.

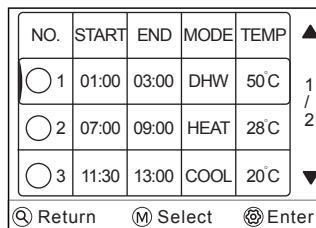
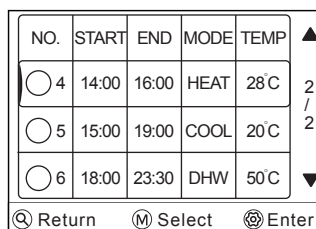
Period	Then...
Before and after your holiday	Your normal schedules will be used.
During your holiday	The configured holiday settings will be used.

- If the holiday home mode is activated,  will display on the home page.

Go to "☞" > "13 Holi.ModeSet" > "02 Holiday Home". Press "☞". The following page will appear:



Use "▲" or "▼" to scroll and adjust. Then move to Timer, press "☞" to enter. six timers can be set.

- Before and after your holiday, your normal schedule will be used.
- During your holiday, you save energy and prevent your house from freezing.

INFORMATION

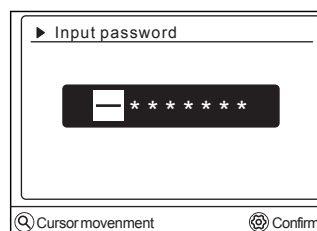
You have to exit Holiday away or Holiday home, if you change the operation mode of the unit.

6.10 Advanced setting

Advanced setting is used for installer and service engineer.

- 1) Setting the function of equipment.
- 2) Setting the parameters.

Go to "☞" > "14 Advanced setting". Press "☞". The following page will appear:



The Advanced setting is used for installer or service engineer. It is NOT intended the home owner alters setting with this menu.

It is for this reason password protection is required to prevent unauthorized access to the service settings.

The password is 1234.

Table1 The environment temperature curve of the low temperature setting for heating

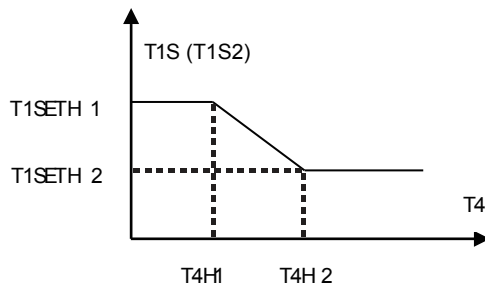
T4	≤ -20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0
1-T1S	38	38	38	38	38	37	37	37	37	37	37	36	36	36	36	36	36	35	35	35	35
2-T1S	37	37	37	37	37	36	36	36	36	36	36	35	35	35	35	35	35	34	34	34	34
3-T1S	36	36	36	35	35	35	35	35	35	34	34	34	34	34	34	33	33	33	33	33	33
4-T1S	35	35	35	34	34	34	34	34	34	33	33	33	33	33	33	32	32	32	32	32	32
5-T1S	34	34	34	33	33	33	33	33	33	32	32	32	32	32	32	31	31	31	31	31	31
6-T1S	32	32	32	32	31	31	31	31	31	31	31	31	30	30	30	30	30	30	30	30	29
7-T1S	31	31	31	31	30	30	30	30	30	30	30	30	29	29	29	29	29	29	29	29	28
8-T1S	29	29	29	29	28	28	28	28	28	28	28	28	27	27	27	27	27	27	27	27	26
T4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	≥ 20	
1-T1S	35	35	34	34	34	34	34	34	33	33	33	33	33	33	32	32	32	32	32	32	32
2-T1S	34	34	33	33	33	33	33	33	32	32	32	32	32	32	31	31	31	31	31	31	31
3-T1S	32	32	32	32	32	32	31	31	31	31	31	31	30	30	30	30	30	30	29	29	29
4-T1S	31	31	31	31	31	31	30	30	30	30	30	30	29	29	29	29	29	29	28	28	28
5-T1S	30	30	30	30	30	30	29	29	29	29	29	29	28	28	28	28	28	28	27	27	27
6-T1S	29	29	29	29	29	29	28	28	28	28	28	28	27	27	27	27	27	27	26	26	26
7-T1S	28	28	28	28	28	28	27	27	27	27	27	27	26	26	26	26	26	26	25	25	25
8-T1S	26	26	26	26	26	26	26	25	25	25	25	25	25	25	25	24	24	24	24	24	24

Table2 The environment temperature curve of the high temperature setting for heating

T4	≤ -20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0
1-T1S	55	55	55	55	54	54	54	54	54	54	54	54	53	53	53	53	53	53	53	53	52
2-T1S	53	53	53	53	52	52	52	52	52	52	52	52	51	51	51	51	51	51	51	51	50
3-T1S	52	52	52	52	51	51	51	51	51	51	51	51	50	50	50	50	50	50	50	50	49
4-T1S	50	50	50	50	49	49	49	49	49	49	49	49	48	48	48	48	48	48	48	48	47
5-T1S	48	48	48	48	47	47	47	47	47	47	47	47	46	46	46	46	46	46	46	46	45
6-T1S	45	45	45	45	44	44	44	44	44	44	44	44	43	43	43	43	43	43	43	43	42
7-T1S	43	43	43	43	42	42	42	42	42	42	42	42	41	41	41	41	41	41	41	41	40
8-T1S	40	40	40	40	39	39	39	39	39	39	39	39	38	38	38	38	38	38	38	38	37
T4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	≥ 20	
1-T1S	52	52	52	52	52	52	52	51	51	51	51	51	51	51	51	50	50	50	50	50	50
2-T1S	50	50	50	50	50	50	50	49	49	49	49	49	49	49	49	48	48	48	48	48	48
3-T1S	49	49	49	49	49	49	49	48	48	48	48	48	48	48	48	47	47	47	47	47	47
4-T1S	47	47	47	47	47	47	47	46	46	46	46	46	46	46	46	45	45	45	45	45	45
5-T1S	45	45	45	45	45	45	45	44	44	44	44	44	44	44	44	43	43	43	43	43	43
6-T1S	42	42	42	42	42	42	42	41	41	41	41	41	41	41	41	40	40	40	40	40	40
7-T1S	40	40	40	40	40	40	40	39	39	39	39	39	39	39	39	38	38	38	38	38	38
8-T1S	37	37	37	37	37	37	37	36	36	36	36	36	36	36	36	35	35	35	35	35	35

The automatic setting curve

The automatic setting curve is the ninth curve,this is the calculation:



State:In the setting the wired controller, if $T4H2 < T4H1$, then exchange their value; if $T1SETH1 < T1SETH2$, then exchange their value.

Table3 The environment temperature curve of the low temperature setting for cooling

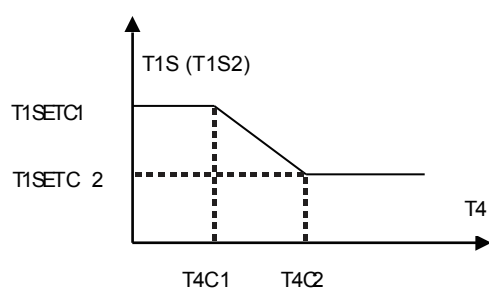
T4	- 10≤ T4< 15	15≤ T4< 22	22≤ T4< 30	30≤ T4
1- T1S	16	11	8	5
2- T1S	17	12	9	6
3- T1S	18	13	10	7
4- T1S	19	14	11	8
5- T1S	20	15	12	9
6- T1S	21	16	13	10
7- T1S	22	17	14	11
8- T1S	23	18	15	12

Table4 The environment temperature curve of the high temperature setting for cooling

T4	- 10≤ T4< 15	15≤ T4< 22	22≤ T4< 30	30≤ T4
1- T1S	20	18	17	16
2- T1S	21	19	18	17
3- T1S	22	20	19	17
4- T1S	23	21	19	18
5- T1S	24	21	20	18
6- T1S	24	22	20	19
7- T1S	25	22	21	19
8- T1S	25	23	21	20

The automatic setting curve

The automatic setting curve is the ninth curve,this is the calculation:



State: In the setting the wired controller, if $T4C2 < T4C1$, then exchange their value; if $T1SETC1 < T1SETC2$, then exchange their value.