Wire Controller





IMPORTANT NOTE:

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

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1. GENERAL SAFETY PRECAUTIONS

1.1. About The Documentation

The original documentation is written in English. All other languages are translations. 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.

- **WARNING:**Indicates a situation that could result in death or serious injury.
- **CAUTION:**Indicates a situation that could result in minor or moderate injury.
- **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.
- **NOTE:**Indicates a situation that could result in equipment or property damage.
- **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.
- 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.

2. Power On Interface



2.1. The Appearance of The Wired Controller

① Signal, Time, Ambient Temperature

2 lcons show the meaning: Free electricity, Sterilization, Defrost, Timing mute, Timing function, Heating 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.

2.2. Status Icons

Icons	Status	Description	lcons	Status	Description
((ŀ	Network status	Display according to signal strength	.•. 'X X	Defrosting	Unit currently operating defrost function
-ċ-	Heating mode	Dynamically indicates power on	1	Anti-frost	Unit is currently operating with anti-freeze function
*	Cooling mode	Dynamically indicates power on	Ē	Holiday	Unit currently running in holiday mode
(AUTO)	Automatic mode	Dynamically indicates power on	(L)	Quiet	The unit is currently running in silent mode

Icons	Status	Description	Icons	Status	Description
<i>پ</i> ما	Hot water mode	Dynamically indicates power on	ECO	Energy saving	The unit is currently running in energy saving mode
<u> </u>	Underfloor heating	Dynamically indicates power on	\oslash	Capacity test	Unit currently running capacity test
	Fault	Unit is faulty	Q	Fluoride collection	Unit currently running fluoride collection function
լլլ	Preheating	Blinking indicates preheating	٥	antibacterial	Unit currently running sterilization function
((t·	Network status	Blinking display distribution network	Ø	Free electricity	
	Timer Silence	The wire controller turns on the timed mute	Ø	Valley electricity	
	Timer function	The wire controller turns on the timed function	ଢ଼	Peak electricity	
•	External heat source	External heat source output	Ä	Water tank electric heater	Water tank electric heater output
÷	Solar signal	Solar signal input	<u>-</u>	Auxiliary electric heater	Auxiliary electric heater output

3. WIRE CONTROLLER

OPERATION GUIDANCE

3.1. 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.



3.2. No Hot Water in Single

Zone

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



3.3. 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 " TA-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.



stands for off)



3.4. 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 " U 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

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.



3.5. 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 " U " 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 " T 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.



3.6. Lock/Unlock Function

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

3.7. 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.

3.8. Setting Target

Temperature

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



3.9. Screen Saver / Screen

Off

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).



3.10. Fault Display

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.



3.11. 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.)



3.12. Parameter Setting

Interface

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



3.13. Setting Interface

At the setting interface, press "Har" to enter the system parameter interface.



1) Customer Management Interface

- a) At the system parameter interface,
- press "

"400866" to enter the restore default setting interface.

b) At the system parameter interface,

press "

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 "

interface.



Key sound

a) When sound is on: the buzzersounds when the screen is tapped.b) When sound is off: the buzzer doesnot 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

Press "Switch Language" to switch the language.

3) Information Interface

At the system parameter interface,

press ". to enter the information interface.

8



4) History Fault

At the system parameter interface,

press	" (शु≡)	"	and then input	"168"
-------	---------	---	----------------	-------

to enter the history fault interface.

🗢 JUN.11 MON	. 23:15 🌡 20℃
◆	
Туре	Time
E27:2#Exhaust gas temperature too high	07-28 12:15:01
Clear	

3.14. Curve

At the setting interface, press "

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.

奈 ၂	UN.11	MON	23:	15	J 20°°							
Temp. Curve												
60 ^{°C}												
40 °C												
20 'C												
0 "0		~		-								
-20 ^{°c}												
-40 ^{°C}												
C	lear											

3.15. Time Setting

At the setting interface, press " ()" to enter the time setting interface.

While the unit is $^\circ\!\mathbb{C}$, the time setting page is as follows:



″to

3.16. Manual Mute

In the settings screen, press "¹ enter the mute function .



1) Mute Level

¹ Level 1</sup>: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.

imuted.

3) Timer Mute

Press " 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.

3.17. 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 "

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 "

e, press "<mark>()</mark>" 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,

" 啦 " indicates that the unit does not have a timed pump-down function.

4) Holiday Mode

At the setting interface, press "U" in



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, " imdicates that the timed holiday function is not enabled, " imdicates 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.

3.18. Heating Function



1) Force Start Water Tank Electric Heater

At the setting interface, press " \underline{hh} " 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 will be poor.

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 "<u>lll</u>" 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) Auxiliary Electric Heater

At the setting interface, press "<u>hh</u>" to enter the electric heater interface. Select ON/OFF.

Operating conditions:

The unit turns on the auxiliary electric heater function(parameter M39), otherwise it cannot be turned on to forced auxiliary electric heater mode.

4) Force Start External Heat

Source

At the setting interface, press "<u>lili</u>" 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.

5) Underfloor Heating Drying

At the setting interface, press "<u>ltl</u>" 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.

3.19. Preheat Function

a) When the machine enters the

flashes b) Quick warm-up

In the main interface, click " $\overset{h}{\longrightarrow}$ " 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 " $\overset{l_lll}{\sqsubseteq}$ " will

pop-up window, select "Cancel" to directly exit the warm-up function; click on the blank position to return to the main interface.

3.20. 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.

NO.	Status Name	Value
P01	Water pump operation mode	always running
P02	Inverter pump control	Eletricity only
P03	Water pump target speed	3000 _{rp}
P04	Inverter water pump manufacturers	1
P05	Water pump target flow rate	1000
P06	Lower return water pump operation	5 Mi

3.21. Climate Curve

At the system parameter interface, press "

customer management interface. Setting parameters M10-M21.

4	Para. M Para. N Para. G Pa	ra. P Para. F		Para. M	Para.N	Para.G	Para. P	Para.		
NO.	Status Name	Value	NO.	St	atus Na	ume	,	Value		
M10	A zone cooling curve		M16	Curve 9 Coo	oling out	tlet Temp.	. 1			
M11	A zone heating curve		M17	Curve 9 Coo	oling out	tlet Temp.	. 2			
M12	B zone cooling curve		M18	Curve 9 Heating ambient Temp. 1						
M13	B zone heating curve	ne heating curve M19 Curve 9 Heating ambient Temp					p. 2			
M14	Curve 9 Cooling ambient Temp.1		M20	Curve 9 Hea	ating out	tlet Temp.	.1			
M15	Curve 9 Cooling ambient Temp. 2		M21	Curve 9 Hea	ating out	tlet Temp.	.2			

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.	Ŵ	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4
_	-20																
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	-										
Ambient Temp.	14	15	16	17	18	19	20										
Ambient Temp. Low Temp.1	14 33	15 32	16 32	17 32	18 32	19 32	≥ 20 32										
Ambient Temp. Low Temp.1 Low Temp.2	14 33 32	15 32 31	16 32 31	17 32 31	183231	19 32 31	20 32 31										
Ambient Temp. Low Temp.1 Low Temp.2 Low Temp.3	14 33 32 30	15 32 31 30	16 32 31 30	17 32 31 30	18 32 31 30	 19 32 31 29 	20 32 31 29										
Ambient Temp. Low Temp.1 Low Temp.2 Low Temp.3 Low Temp.4	14 33 32 30 29	15 32 31 30 29	16 32 31 30 29	17 32 31 30 29	18 32 31 30 29	19 32 31 29 28	20 32 31 29 28										
Ambient Temp. Low Temp.1 Low Temp.2 Low Temp.3 Low Temp.4 Low Temp.5	14 33 32 300 29 28	15 32 31 30 29 28	16 32 31 30 29 28	17 32 31 30 29 28	18 32 31 30 29 28	19 32 31 29 28 27	20 32 31 29 28 27										
Ambient Temp. Low Temp.1 Low Temp.2 Low Temp.3 Low Temp.4 Low Temp.5 Low Temp.6	14 33 32 30 29 28 27	15 32 31 30 29 28 27	16 32 31 300 29 28 27	17 32 31 30 29 28 28 27	18 32 31 300 29 28 27	19 32 31 29 28 27 26	20 32 31 29 28 27 26										
Ambient Temp. Low Temp.1 Low Temp.2 Low Temp.3 Low Temp.4 Low Temp.5 Low Temp.6 Low Temp.7	14 33 32 30 29 28 27 26	15 32 31 30 29 28 27 26	16 32 31 30 29 28 27 26	17 32 31 30 29 28 27 26	18 32 31 30 29 28 27 26	19 32 31 29 28 27 26 25	20 32 31 29 28 27 26 25										
Ambient Temp. Low Temp.1 Low Temp.2 Low Temp.3 Low Temp.4 Low Temp.5 Low Temp.6 Low Temp.7 Low Temp.8	14 33 32 30 29 28 27 26 25	15 32 31 30 29 28 27 26 25	16 32 31 30 29 28 27 26 24	17 32 31 30 29 28 27 26 24	18 32 31 30 29 28 27 26 24	19 32 31 29 28 27 26 25 24	20 32 31 29 28 27 26 25 25 24										
Ambient Temp. Low Temp.1 Low Temp.2 Low Temp.3 Low Temp.4 Low Temp.5 Low Temp.6 Low Temp.7 Low Temp.8 High Temp.1	14 33 32 30 29 28 27 26 25 51	15 32 31 30 29 28 27 26 25 51	16 32 31 30 29 28 27 26 24 50	17 32 31 30 29 28 27 26 24 24 50	18 32 31 30 29 28 27 26 24 50	19 32 31 29 28 277 26 25 24 50	 20 32 31 29 28 27 26 25 24 50 										
Ambient Temp. Low Temp.1 Low Temp.2 Low Temp.3 Low Temp.4 Low Temp.5 Low Temp.6 Low Temp.7 Low Temp.8 High Temp.1 High Temp.2	14 33 32 30 29 28 27 26 25 51 49	15 32 31 30 29 28 27 26 25 49	16 32 31 30 29 28 27 26 24 50 48	17 32 31 30 29 28 27 26 24 50 48	18 32 31 30 29 28 27 26 24 50 48	19 32 31 29 28 27 26 25 24 50 48	 20 32 31 29 28 27 26 25 24 50 48 										
Ambient Temp. Low Temp.1 Low Temp.2 Low Temp.3 Low Temp.4 Low Temp.5 Low Temp.6 Low Temp.7 Low Temp.7 High Temp.1 High Temp.2 High Temp.3	14 33 32 30 29 28 27 26 25 51 49 48	 15 32 31 30 29 28 27 26 27 26 25 51 49 48 	16 32 31 30 29 28 27 26 24 50 48 47	17 32 31 30 29 28 27 26 24 50 48 47	18 32 31 30 29 28 27 26 24 50 48 47	19 32 31 29 28 27 26 25 24 50 48 47	20 32 31 29 28 27 26 25 25 24 50 48 47										
Ambient Temp. Low Temp.1 Low Temp.2 Low Temp.3 Low Temp.4 Low Temp.5 Low Temp.6 Low Temp.7 Low Temp.7 High Temp.1 High Temp.2 High Temp.3 High Temp.4	14 33 32 30 29 28 27 26 25 51 49 48 46	15 32 31 30 29 28 27 26 25 51 49 48 46	16 32 31 30 29 28 27 26 24 50 48 47 45	17 32 31 30 29 28 27 26 24 50 48 47 45	18 32 31 30 29 28 27 26 24 50 48 47 45	19 32 31 29 28 27 26 25 24 50 48 47 45	 20 32 31 29 28 27 26 25 24 50 48 47 45 										
Ambient Temp. Low Temp.1 Low Temp.2 Low Temp.3 Low Temp.4 Low Temp.5 Low Temp.6 Low Temp.7 Low Temp.8 High Temp.1 High Temp.2 High Temp.3 High Temp.4 High Temp.5	14 33 32 30 29 28 27 26 25 51 49 48 46 44	15 32 31 30 29 28 27 26 25 51 49 48 46 44	16 32 31 30 29 28 27 26 24 50 48 47 45 43	17 32 31 30 29 28 27 26 24 50 48 47 45 43	18 32 31 30 29 28 27 26 24 50 48 47 45 43	19 32 31 29 28 27 26 25 24 50 48 47 45 43	20 32 31 29 28 27 26 25 24 25 24 50 48 47 45 43										
Ambient Temp.Low Temp.1Low Temp.2Low Temp.3Low Temp.4Low Temp.5Low Temp.6Low Temp.7Low Temp.8High Temp.1High Temp.2High Temp.3High Temp.4High Temp.5High Temp.6	14 33 32 30 29 28 27 26 25 51 49 48 46 44 41	 15 32 31 30 29 28 27 26 27 26 25 49 48 46 44 41 	16 32 31 30 29 28 27 26 24 50 48 47 45 43 40	17 32 31 30 29 28 27 26 24 50 48 47 43 40	18 32 31 30 29 28 27 26 24 50 48 47 43 40	19 32 31 29 28 27 26 25 24 50 48 47 45 43 40	 20 32 31 29 28 27 26 25 24 50 48 47 45 43 40 										
Ambient Temp. Low Temp.1 Low Temp.2 Low Temp.3 Low Temp.4 Low Temp.5 Low Temp.6 Low Temp.7 Low Temp.8 High Temp.1 High Temp.2 High Temp.3 High Temp.4 High Temp.5 High Temp.6 High Temp.7	14 33 32 30 29 28 27 26 25 51 49 48 46 41 39	 15 32 31 30 29 28 27 26 25 51 49 48 46 44 39 	16 32 31 30 29 28 27 26 24 50 48 47 45 43 40 38	17 32 31 30 29 28 27 26 24 50 48 47 45 43 40 38	18 32 31 30 29 28 27 26 24 50 48 47 45 43 40 38	19 32 31 29 28 27 26 25 24 50 48 47 45 43 40 38	 20 32 31 29 28 27 26 27 26 27 26 27 28 47 45 43 40 38 										

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



Ten

v_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】)

4. APPENDIX

4.1. 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		
NOO	Heating & Cooling	,	0 Heating only/1 Heating & Cooling / 2		
INU2	Туре	/	Cooling only		
	Four-Way Valve	1			
1104	Setting	1	o Heating open valve/ I Cooling open valve		
N05	Wire control switch	1	0 Togglo switch/1 Dulos switch		
1100	type	/			
N06	Unit Start/Stop	/	0 Union/1 Remote/2 Local/3 Wire Control/4		
	Control	,	Net control		
N07	Power Down	/	0 Disable/1 Enable		
	Memory				
N08	Incoming Power	/	0 Disable/1 Enable		
	Self-Start				
N11	Hot Water Function	/	0 Disable/1 Enable		
N20	Tank Electric	/	0 Disable/1 Enable		
	Heating				
N21	Lower Return Pump	/	0 Disable/1 Enable		
N22	Solar	/	0 Disable/1 Enable		
			0 Disable/1 Linkage Action is Valid/2 Linkage		
	Linkage Switch	,	Closure is Valid/3 Power ON/OFF via Wire		
N23	Setting	/	Controller/off/4 Control DHW Electric Heater		
			via Wire Controller/5 Control External Heat		
			Source via Wire Controller		
NIGO	Wire Controller	,			
N26	Control Type	/			
NDD	Smort Crid	1	0 Dischla/1 Enable		
INGZ		1			
N36		/	0 Disable/1 Enable		
	Swatam Tatal Outlat				
N37	System Total Outlet	/	0 Disable/1 Enable		
NDO	FV/LDV/ Signal	1			
	SC Crid Signal	/	0 Normally open/1 Normally closed		
N/44	Solar Tomp Sonacr	/			
IN4 I		/	0 Disable/ I Enable		
IN48		/	0 Radiator/ 1 Fan Coll/ 2 Underfloor Heating		
N49	∣ ∠one A heating end	/	U Radiator/ 1 Fan Coil/ 2 Underfloor Heating		

M01	Cooling Setting Temp.	°C	15 ~ 35
M02	Heating Setting Temp.	°C	0 ~ 85
M03	Hot Water Setting Temp.	°C	0 ~ 80
M08	Heating Setting Temp.(B)	°C	40 ~ 60
M10	A Zone Cooling Curve	1	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 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 2/ 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	1	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 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	1	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 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 2/ 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	1	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
	Custom Curve of		
M14	Cooling Ambient	°C	-5 ~ 46
	Temp.1		
	Custom Curve of		
M15	Cooling Ambient	°C	-5 ~ 46
	Temp. 2		
	Custom Curve of		
M16	Cooling Outlet	°C	5~25
	Temp. 1		
	Custom Curve of		
M17	Cooling Outlet	°C	5~25
	Temp. 2		
	Custom Curve of		
M18	Heating Ambient	°C	-25 ~ 35
	Temp. 1		
	Custom Curve of		
M19	Heating Ambient	°C	-25 ~ 35
	Temp.2		
	Custom Curve of		
M20	Heating Outlet	°C	25 ~ 65
	Temp.1		
	Custom Curve of		
M21	Heating Outlet	°C	25 ~ 65
	Temp.2		
	Min. Ambient		
M35	Temp.of Automatic	°C	20 ~ 29
	Cooling		
	Max. Ambient		
M36	Temp.of Automatic	°C	10 ~ 17
	Cooling		
1/27	Holiday away Home	°C	20 - 25
	Heating		20~23
120	Holiday away Home	°C	20 ~ 25
IVISO	Hot Water		20~23
M20	Auxiliary Electric		0 Disable/1 Heating only/2 Hot water only/3
10139	Heater		Heating & Hot water
N440	External Heat		0 Disable/1 Heating only/2 Hot water only/3
IVI4U	Source		Heating & Hot water
NACC	Underfloor Heating	00	
	Preheating Temp.		25 ~ 35

M56	Underfloor Heating	Min	10~40
	Preheating Interval		
M57	Underfloor Heating	н	48 ~ 96
	Preheating Time		
	Underfloor Heating		
M58	Water Temp. Return	C°	0 ~ 10
	Difference		
	Underfloor Heating		
M59	Room Temp. Return	°C	0 ~ 10
	Difference		
Meo	Underfloor Heating		<i>1</i> ~ 15
IVIOU	Before Drying		4 10
MG1	Underfloor Heating		2 ~ 7
	During Drying	DAT	5.7
MGO	Underfloor Heating		4 - 15
IVIOZ	After Drying	DAT	4~15
MGO	Underfloor Heating	°C	20
1003	Drying Temp.	C	30 ~ 55
	Variable Frequency		0 Manual/4 Ambient Terran Linear/2 Fin
F06	Fan Speed	/	U Manual/1 Ambient Temp. Linear/2 Fin
	Adjustment		l emp. Linear
F07	Fan Manual		0, 2000
F07	Operation	rps	0~2000
504	Water Pump	,	0 Keep Running/1 Stop When Temp.
P01	Operation Mode	/	Reached/2Intermittent Operation
Doo	Water Pump Control	,	1 Control Speed/2 Control Flow Rate/3
P02	Туре	/	ON/OFF/4 Control Power
	Water Pump Target		1000 1000
P03	Speed	rpm	1000 ~ 4500
	Water Pump		
P04	Manufacturers	/	0~4
	Water Pump Target	undefi	
P05	Flow Rate	ned	0~4500
	Lower Return Water		
P06	Pump Operation	Min	5 ~ 120
	Lower Return Water		
P07	Pump Sterilization	/	0 Disable/1 Enable
	Lower Return Water		
P08	Pump Timed	/	0 Disable/1 Enable
	Timed Sterilization		
G01	Function	/	0~1
G02	Sterilization Temp.	°C	0 Disable/1 Enable

G03	Sterilization Max. cycle	Min	60~70
G04	Sterilization high Temp. time	Min	90~300

4.2. Error code

Code	Description	Causes	Solutions
E01	Wire controller communication fault	 The connection between wire controller and main board is poor. Wire controller fault. Main board fault. Communication wire and strong electricity wire put together, resulting in power interference communication 	 Reconnect the wire controller cable. Replace the wire controller. Replace the main board. Communication wire is placed separately from the strong electricity wire.
E03	0#Compressor high pressure	 Check for refrigerant leaks The throttle device is dirty and blocked, damaged Compressor bearing damage, causing mechanical part friction, exhaust temperature rise High pressure switch fault Main board fault Compressor fault 	 1.Refill refrigerant 2.Clean/replace throttle device 3.Replace compressor 4.Replace the high pressure switch 5.Replace the main board 6.Replace the compressor
E04	0#Compressor low pressure	 1.Insufficient water flow 2.Low chilled water inlet water temperature 3.Refrigerant leakage or insufficient refrigerant charge 4.Scale in evaporator 	 1.Check the temperature difference between the inlet and outlet water and adjust the water flow 2.Check the installation 3.Leak detection or filling with sufficient refrigerant 4.Remove water scale
E06	0#Inverter communication fault	 Power supply voltage fault Inverter board fault Main board fault 	 Replace the power cord Replace the inverter board Replace the main board
E06	0#Communication fault	 Communication lines and strong wires placed together, resulting in communication power interference Poor connection between the module machine and the main board. Main board fault 	 Communication wire is placed separately from the strong electricity wire. Reconnect the wires Replace the main board.

Code	Description	Causes	Solutions
E10	Floor heating water inlet temperature fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E11	Total outlet water temperature fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E11	System total outlet water temperature fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E11	0#Plate exchanger outlet water Temp. fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E11	0# Total water outlet Temp. fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E12	Hot water tank temperature fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E12	Buffer tank upper temperature fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E12	Buffer tank lower temperature fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board

Code	Description	Causes	Solutions
E13	Indoor temperature fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E14	0# Ambient Temp. fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E16	0#Exhaust temperature fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E21	EEPROM data error		
E21	0#EEPROM data error	Data reading error	Shutdown and restart
E24	0#High plate return water temperature	 Whether the wiring is loose/damaged Heat exchanger is blocked Temperature sensor fault Main board fault 	 Rewiring/replacement of wires Cleaning of heat exchangers Replace the temperature sensor Replace the main board
E24	0#Plate Inlet Water Temp. too High		
E25	0#Cooling Evaporation is Too Low		
E25	0#Plate Exchanger Outlet Water Temp. Too Low	1. Low water flow	 Clear the blockage Check whether the water
E25	0#Plate Inlet Water Temp. too Low	3. Water pipe damage	requirements
E26	0#Outlet and Inlet Water Temp. Difference Abnormal		 Replace the sensor
E26	0#Outlet and Inlet Water Temp. Difference is Too Large		

Code	Description	Causes	Solutions
E27	0#Exhaust temperature too high		
E31	0#J5 pressure sensor fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E32	0#J6 pressure sensor fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E44	0#Plate Exchanger Inlet Water Temp. Fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E55	0#Suction temperature fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E56	Solar Temp. sensor fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E58	0#Coil Temp. Fault	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E59	0#Suction temperature too low	 Too much/too little refrigerant Temperature sensor fault Main board fault 	1.Refill the refrigerantaccording to the nameplate2.Replace the temperaturesensor3.Replace the main board
E60	0#Frequent emergency defrost	 Ambient temperature sensor is damaged Dirty and blocked heat exchanger Lack of refrigerant 	1.Replace the ambienttemperature sensor2.Clean the heat exchanger3.Refill the refrigerantaccording to the nameplate

Code	Description	Causes	Solutions
E61	0#Abnormal Temp. difference between suction and exhaust	 Inlet and outlet water temp. sensor fault. The valve in water system is not open. Waterway blockage, may appear in the heat exchanger or valve part. Improper water pump selection The water pump is broken . Pipe size is too small. Heat exchanger is fouling. 	 Need to replace the temp. sensor. Clean or replace the blocked part. Change the pump according to the water flow and water head. Need to change the water pipe. Reset the water flow switch manually. Choose the suitable pipe size. Clean the dirt of the heat exchanger surface.
E62	Fan coil communication fault 1-32	 Connection cable fault Power input fault Main board fault 	 Check wiring and rewire Replace the power cord Replace the main board
E63	0#Communication abnormal	1. Communication lines and strong wires placed together,	1 Communication wire is
E63	0#Internal and external machine communication fault	resulting in communication power interference 2. Poor connection between the module machine and the main board. 3. Main board fault	placed separately from the strong electricity wire. 2.Reconnect the wires 3.Replace the main board.
E64	0#Protocol version too low	Program error	Update procedure
E65	0#Abnormal model setting	 Main board code error The program did not restore the factory settings 	1.Resetting the main board code 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 2.Water tank damage	1.Check power supply wiring/reconnect power supply

Code	Description	Causes	Solutions
E67	0#Auxiliary electric heater overload		voltage 2.Repair of water tank
E68	0# Insufficient water flow	 The water system is blocked Water pump is not suitable Water pipe is small The water flow switch is stuck and cannot be reset. 	 Check if the pump is running properly/Clean or replace the blocked part Change the pump according to the water flow and water head Need to change the water pipe Reset the water flow switch manually.
E69	0# Refrigerant gas side Temp. fault	 Whether the wiring is loose/damaged Temperature sensor fault Main board fault 	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
E70	0#Refrigerant liquid side Temp. fault	 Whether the wiring is loose/damaged Temperature sensor fault Main board fault 	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
F16	0#Compressor low pressure too low	 1.Insufficient water flow 2.Low chilled water inlet water temperature 3.Refrigerant leakage or insufficient refrigerant charge 4.Scale in evaporator 	 1.Check the temperature difference between the inlet and outlet water and adjust the water flow 2.Check the installation 3.Leak detection or filling with sufficient refrigerant 4.Remove water scale

Code	Description	Causes	Solutions
F17	0#Compressor high pressure too high	 Less refrigerant The throttle device is dirty and blocked, damaged Compressor bearing damage, causing mechanical part friction, exhaust temperature rise High pressure switch fault Main board fault Compressor fault 	 1.Refill refrigerant 2.Clean/replace throttle device 3.Replace compressor 4.Replace the high pressure switch 5.Replace the main board 6.Replace the main board compressor
F61	0#Abnormal speed of fan 1	1.Loose connection cable 2.Unstable voltage	1.Reconnect the motherboard and fan wiring
F61	0#Abnormal speed of fan 2	3. Main board fault4. Fan fault	 Replace the stable voltage Replace the Main board Replace the fan
F62	Fault of fan coil 01-32	 Power input is not normal Whether the fan coil is rotating Whether the fan coil is blocked The fan coil is damaged 	 Reconnect the power supply Check whether the motor is stuck Clean the fan coil Replace the fan coil
F63	0#Ambient Temp. Restricts compressor Opening	1.Whether the wiring is loose/damaged 2.Temperature sensor fault 3.Main board fault	 Rewiring/replacement of wires Replace the temperature sensor Replace the main board
F64	0#Inverter Fault	 Loose connection cable Unstable voltage Main board fault Driver board fault 	 1.Reconnect the wires 2. Replace the stable voltage 3. Replace the Main board 4. Replace the driver board fault

Code	Description	Causes	Solutions
F65	0#Inverter Model Setting in Progress	 Loose connection cable Pump fault Inverter fault Main board fault 	 Reconnect the wires Replace the pump Replace the inverter Replace the main board
F66	0#Inverter pump fault	1.The water system is	1. Clean or replace the blocked
EGG	Inverter water pump	blocked.	part
F00	fault	2. Loose connection cable	2. Reconnect the wires
F66	0#Inverter pump	3. Pump fault 4. Inverter fault	 Replace the pump Replace the inverter
	warning [80%]	5. Main board fault	5. Replace the main board

5. Wi-Fi FUNCTION

5.1. Software Installation

Download Eco-Home from Google Store or Apple Store.

5.2. Login / Registration

(1) Existing accounts can be logged in directly, in the following steps:

(2) If you forget your password you can choose to login in with your verification code and select "Forget Password": Enter your phone number and get the verification code.

- (3) Users who don't have an account can click "Sign Up Now!" to create an account.
- (4) Set the password.
- (5) Enter your Email, then you will get a verification code.

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Log	in	Agreement » and P	rivacy Policy
Don't you have an acco timeZoneOffset:-8 time:Thu Feb 23 2023 14:54:	unt? sign up Now! 25 GMT+0800 (CST)	Reg	ister

5.3. Add Device

Step 1:

Turn on the phone's Bluetooth and Wi-Fi function, then connect to the Wi-Fi . The Wi-Fi must be able to connect to the Internet normally.



Step 2:

Choose Wi-Fi and enter the password.

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at 📖 ai	Select Wi-Fi		
PASSWORD	~		
		Network is succes	sfully configured
Ne	ext	Hetwork is succes	stany comigured
		Go to bin	d device

Step 3:

After successful networking, scan the wire controller QR code or enter the serial number to bind the unit.Return to the main page after successful binding.

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< Bind the dev	ice	< Bind the dev	ice	All devices	? +
Device binding Binding steps: Scan the R code on the right		Device binding Briding steps: Scan the QP Code on the right		My device	
Bind the dev Scan	ice	Device binding succeeded RETURI	N TO THE HOME PAGE	hhh • Running Share device Shares	received
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• Device sharing

Click "share device", click the unit you want to share, click "Add a share", enter the shared account information, and confirm the share.





5.4. Software Function Operation

- After the device is bound successfully, enter the operation interface of "Eco-Home" (Device name, modifiable)
- In the main interface, click the unit to enter the operation interface.
- (1) Heating & Cooling



- ① Current Temperature
- ② Mode Settings
- ③ Target Temperature Setting
- ④ ON/OFF
- 5 Total ON/OFF
- 6 Timer ON/OFF
- ⑦ Set
- 8 More Settings
- (2) Hot Water



- ① Current Temperature
- ② Target Temperature Setting
- ③ ON/OFF

(3) Floor Heating



- ① Current Temperature
- ② Target Temperature Setting
- ③ ON/OFF

5.5. Modify Device Name / Delete Device

Click in the following order to enter device details, and click "Device Name" to rename the device. Click "Delete the Device" to remove the device.

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E	40°C +		Delete the	e Device
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Switch	Timing	Set		

5.6. Mode settings

Click to select the mode you need to set.



5.7. Timing

Click "Timing", then click "+", set the timer and save it.



5.8. Set Parameters

(1) Set Target Temp.

Support to modify the content of the parameters is: Hot water target temperature, Cooling target temperature, Heating target temperature, Floor heating target temperature, and temperature units (in the modification of temperature units, the controller will re-read the main board and upload it to the APP one by one).

	11.2 II.2 II.2 II.2 II.2 II.2 II.2 II.2		10 % • ¥ 88% •	14:56
<	:	Set parameter	s	0
Set p	arameters	Status query	Cur	ve
	Cooling Targe	et Temp. (°C)	20°C	
	Heating Targ	et Temp. (°C)	48°C	
	Hot Water Ta	rget Temp. (°C)	50°C	
	Floor Heatin	g Target Temp. (१	C) 56°C	
	Temp. Unit(°C)	°C	

(2) Status Query

You can query the system status and module status.

	Status query	t
t parameters	Status query	Curve
	Å System status	
I Indoor Temp. 0.00°C	Ambient Temp. 9.00°C	DHW Temp. 22.50°C
Solar Sys. Temp. 0.00°C	H&C Outlet Temp. 0.00°C	Totla Outlet Temp. 22.00°C
FH Water Inlet Temp 0.00°C		
	A Module Status	
00# Module	A Module Status	-
00# Module Exchanger Water Inlet Temp. 24.90°C	Module Status Exchanger Water Outlet Temp. 23.40°C	Total Water Outlet Temp. 22.00°C
00# Module Exchanger Water Inlet Temp. 24.90°C Ambient Temp. 9.00°C	Module Status Exchanger Water Outlet Temp. 23.40°C W.P. Target Speed Orpm	Total Water Outled Temp. 22.00°C W.P. Flow Rate 0L/H

(3) Temperature curve.

The current curve shows the temperature respectively: Exchanger water outlet Temperature, Exchanger water inlet Temperature, Ambient Temperature, DHW Temperature. Real-time curve updates.



5.9. Mine

Click "Mine" for user information, commom problems, about, and logout.

