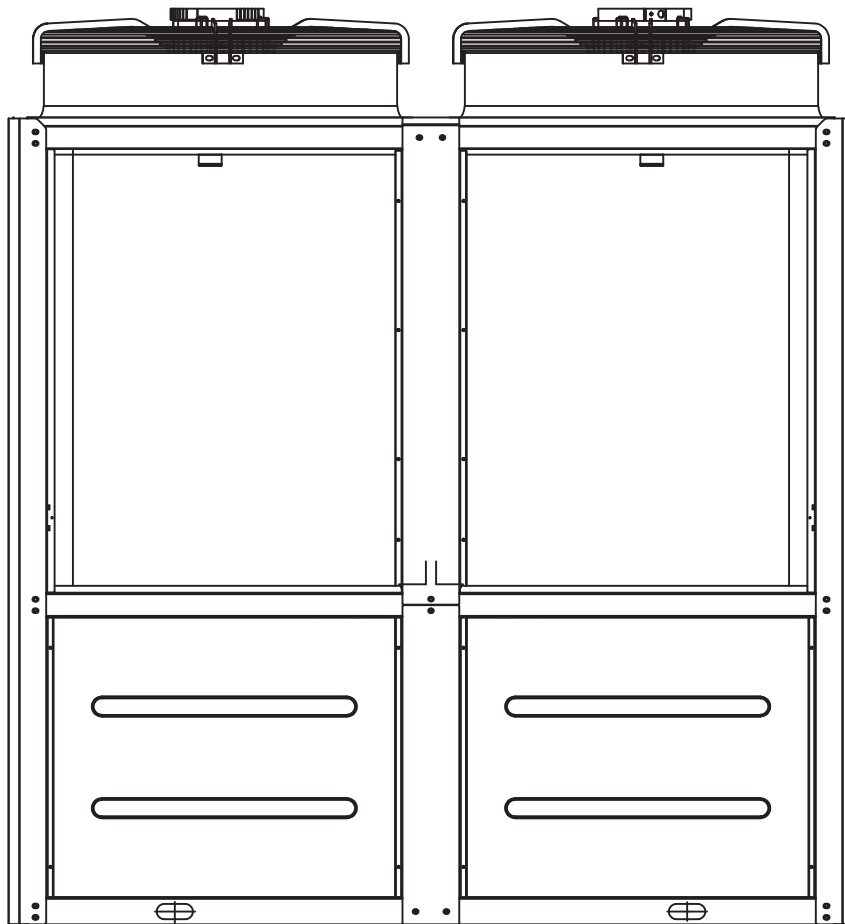




WIRED REMOTE CONTROLLER

Installation and Owner's Manual



IMPORTANT NOTE:

Please read this manual carefully before installing or operating your wired remote controller. Make sure to save this manual for future reference.

CONTENTS

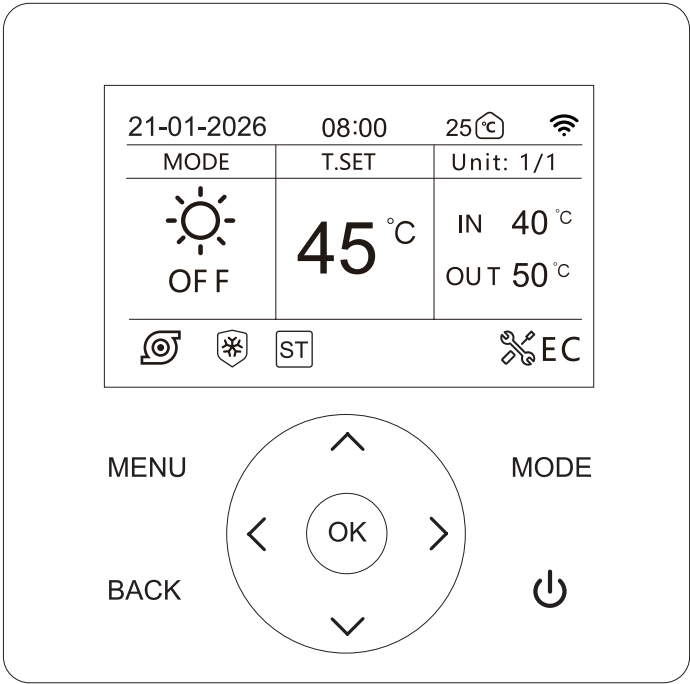
- 1. Introduction.....1
 - 1.1. Scope1
 - 1.2. Appearance.....1
 - 1.3. Keys1
 - 1.4. Display2
 - 1.5. Icons.....2
- 2. Settings.....3
 - 2.1. Power3
 - 2.2. Mode3
 - 2.3. Set Temperature.....4
 - 2.4. Forced AHS (Auxiliary Electric Heater).....4
 - 2.5. Weather Control4
 - 2.6. Silent Mode7
 - 2.7. Timer7
 - 2.8. Holiday Mode9
 - 2.9. Power Limitation.....10
 - 2.10. Control Lock11
 - 2.11. Basic Settings12
 - 2.12. Parameters Configuration.....16
 - 2.13. Parameters Query16
 - 2.14. Error16
 - 2.15. WIFI.....17
 - 2.16. Version.....17
- 3. Installation.....18
 - 3.1. Material Checklist18
 - 3.2. Installation Steps.....18
- 4. Appendix.....19
 - 4.1. Parameters List.....19
 - 4.2. Error List22

1. Introduction

1.1. Scope

This wired controller is compatible with inverter modular chillers.

1.2. Appearance

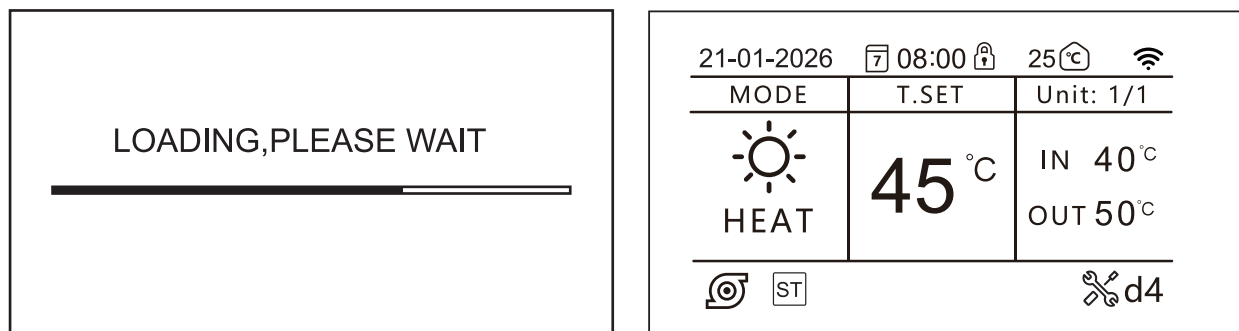


1.3. Keys

Symbol	MENU		BACK	MODE					OK
Name	Menu	ON/Off	Back	Mode	Up	Down	Left	Right	OK

No.	Name	Explanation
1	Menu	Enter the [Menu]
2	On/Off	Power on/off the unit
3	Back	Return to the previous menu
4	Mode	Select heating or cooling mode
5	Up	Move the cursor up
6	Down	Move the cursor down
7	Left	Move the cursor left
8	Right	Move the cursor right
9	OK	Confirm parameter settings

1.4. Display



1.5. Icons

No.	Icon	Content	Description
1	21-01-2026	Date	Date (year, month, day) is displayed by default.
2	08:00	Time	24-hour time is displayed by default.
3		Daily Timer	This icon is displayed when the daily timer is active.
4		Weekly Timer	This icon is displayed when the weekly timer is active.
5		Ambient Temperature	Indoor/outdoor ambient temperature is displayed by default.
6		Ambient Temperature	The indoor/outdoor ambient temperature is displayed when the end user switches the unit to Fahrenheit.
7		Child Lock	This icon is displayed when the child lock is active.
8		WiFi	This icon is displayed after the WiFi connection is successful.
9		Heating Mode	Heating mode.
10		Cooling Mode	Cooling mode.
11	OFF	OFF State	"OFF" is displayed when the unit is powered off.
12	45°C	Set Temperature	Set temperature for the modular chiller.
13		Error	Displayed when an error occurs, with the error code shown simultaneously.
14		Compressor	This icon is displayed when the compressor is activated.
15		Water Pump	This icon is displayed when the water pump is activated.
16		Electric Heating	This icon is displayed when the electric heating is activated.
17		Anti-Freeze Protection	This icon is displayed when the unit enters anti-freeze protection mode.
18		Defrosting Mode	This icon is displayed when the unit enters defrost mode.
19		Holiday Away	Displayed when holiday away mode is activated.
20		Holiday Home	Displayed when holiday home mode is activated.
21		Silent Mode	This icon is displayed when silent mode is enabled.
22		ECO Mode	This icon is displayed when ECO mode is enabled.
23		Standard Mode	This icon is displayed when standard mode is enabled.
24		Boost Mode	This icon is displayed when boost mode is enabled.

2. Settings

2.1. Power

21-01-2026	08:00	30℃
MODE	T.SET	Unit: 1/1
 OFF	45℃	IN 40℃ OUT 40℃
 	 d4	

OFF State

21-01-2026	08:00	30℃
MODE	T.SET	Unit: 1/1
 HEAT	44℃	IN 40℃ OUT 40℃
 	 d4	

ON State

1. Press the [ON/OFF] key to toggle the unit between on and off modes. The corresponding status is illustrated in the figure above.
2. Press the [OK] key to confirm the settings.

2.2. Mode

21-01-2026	08:00	30℃
MODE	T.SET	Unit: 1/1
 HEAT	45℃	IN 40℃ OUT 40℃
 	 d4	

HEAT MODE

21-01-2026	08:00	30℃
MODE	T.SET	Unit: 1/1
 COOL	12℃	IN 40℃ OUT 40℃
 	 d4	

COOL MODE

1. Press the [Mode] key to toggle between cooling and heating modes.
2. Press the [OK] key to confirm the mode setting.



NOTE

The unit's control mode and antifreeze function have an impact on the settable range of the wired controller, and the specific differences are detailed below.

Control	Antifreeze Function	Mode	Icon	Initial Value		Set Range	
				℃	°F	℃	°F
Water inlet	Unactivated	Cooling		12	54	10~25	50~77
		Heating		40	104	20~55	68~131
	Activated	Cooling		12	54	5~20	41~68
		Heating		40	104	25~60	77~140
Water outlet	Unactivated	Cooling		12	54	10~25	50~77
		Heating		40	104	20~55	68~131
	Activated	Cooling		12	54	2~20	36~68
		Heating		40	104	25~60	77~140

2.3. Set Temperature

21-01-2026 08:00 25℃		
MODE	T.SET	Unit: 1/1
HEAT	45℃	IN 40℃ OUT 40℃
ST		d4

Press the [^] or [v] key to adjust the temperature, then press the [OK] key to confirm the setting.

! NOTES

1. Each press of the [^] or [v] key increases or decreases the temperature by 1°C or 1°F on the wired controller.
2. Press and hold the [^] or [v] key to accelerate the temperature change rate and speed up the temperature setting process.

2.4. Forced AHS (Auxiliary Electric Heater)

Path: [MENU] > [4. FORCE AHS]

MENU		1/3
1. POWER	ON	
2. MODE	HEAT	
3. SETTING TEMPERATURE	39℃	
4. FORCE AHS	OFF	
5. WEATHER CONTROL		
6. SILENT MODE		
OK	^ v < >	BACK

1. Press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to select [ON], then press the [OK] key to confirm and activate the [Forced AHS] function.

! NOTES

1. This function is only valid when the unit is connected to the auxiliary electric heater.
2. This function is effective for a single use. To enable the auxiliary electric heater again, the function must be reactivated.

2.5. Weather Control

Path: [MENU] > [5. WEATHER CONTROL]

When the weather control function is enabled, the unit will automatically set different target water temperatures according to varying ambient temperatures. Users do not need to frequently adjust the target temperature in different seasons, which greatly enhances user convenience. This unit provides 16 preset curves + 1 DIY curve, covering both cooling and heating modes for users to choose from.

2.5.1. Function Activation

MENU	1/3
1. POWER	ON
2. MODE	HEAT
3. SETTING TEMPERATURE	39℃
4. FORCE AHS	OFF
5. WEATHER CONTROL	
6. SILENT MODE	
OK	^ V < > BACK

WEATHER CONTROL	1/1
1. WEATHER CONTROL	ON
2. COOL CURVE	CURVE#1.L
3. HEAT CURVE	CURVE#8.H
OK	^ V < > BACK

1. Select [5.WEATHER CONTROL], then press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to select [ON], and press the [OK] key to confirm, thereby activating the [Weather Control] function.



NOTE

When the weather control function is enabled, users cannot adjust the target water temperature via the main interface. If such an adjustment is required, the wired controller will display the following interface to remind the user that the function must be disabled before modifying the target temperature.

Weather control temp in Heating mode enabled, do you want to cancel this function?

YES

NO

2.5.2. Curve Selection

1. Cooling Mode

Path: [MENU] > [5. WEATHER CONTROL] > [2. COOL CURVE]

1. Select [2.COOL CURVE], press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to select the curve, and press the [OK] key to confirm.

T	Curve																#9
	L								H								
	#1	#2	#3	#4	#5	#6	#7	#8	#1	#2	#3	#4	#5	#6	#7	#8	
-20≤T<15	16	17	18	19	20	21	22	23	20	21	22	23	24	24	25	25	Configured in the wired controller
15≤T<22	11	12	13	14	15	16	17	18	18	19	20	21	21	22	22	23	
22≤T<30	8	9	10	11	12	13	14	15	17	18	19	19	20	20	21	21	
30≤T	5	6	7	8	9	10	11	12	16	17	17	18	18	19	19	20	

T-Outdoor ambient temperature

2. Heating Mode

Path: [MENU] > [5. WEATHER CONTROL] > [3. HEAT CURVE]

1. Select [3.HEAT CURVE], press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to select the curve, and press the [OK] key to confirm.

T	Curve																#9
	L								H								
	#1	#2	#3	#4	#5	#6	#7	#8	#1	#2	#3	#4	#5	#6	#7	#8	
T≤-20	38	37	36	35	34	32	31	29	55	53	52	50	48	45	43	40	Configured in the wired controller
-19	38	37	36	35	34	32	31	29	55	53	52	50	48	45	43	40	
-18	38	37	36	35	34	32	31	29	55	53	52	50	48	45	43	40	
-17	38	37	35	34	33	32	31	29	55	53	52	50	48	45	43	40	
-16	38	37	35	34	33	31	30	28	54	52	51	49	47	44	42	39	
-15	37	36	35	34	33	31	30	28	54	52	51	49	47	44	42	39	
-14	37	36	35	34	33	31	30	28	54	52	51	49	47	44	42	39	
-13	37	36	35	34	33	31	30	28	54	52	51	49	47	44	42	39	
-12	37	36	35	34	33	31	30	28	54	52	51	49	47	44	42	39	
-11	37	36	34	33	32	31	30	28	54	52	51	49	47	44	42	39	
-10	37	36	34	33	32	31	30	28	54	52	51	49	47	44	42	39	
-9	36	35	34	33	32	31	30	28	54	52	51	49	47	44	42	39	
-8	36	35	34	33	32	30	29	27	53	51	50	48	46	43	41	38	
-7	36	35	34	33	32	30	29	27	53	51	50	48	46	43	41	38	
-6	36	35	34	33	32	30	29	27	53	51	50	48	46	43	41	38	
-5	36	35	33	32	31	30	29	27	53	51	50	48	46	43	41	38	
-4	36	35	33	32	31	30	29	27	53	51	50	48	46	43	41	38	
-3	35	34	33	32	31	30	29	27	53	51	50	48	46	43	41	38	
-2	35	34	33	32	31	30	29	27	53	51	50	48	46	43	41	38	
-1	35	34	33	32	31	30	29	27	53	51	50	48	46	43	41	38	
0	35	34	33	32	31	29	28	26	52	50	49	47	45	42	40	37	
1	34	33	32	31	30	29	28	26	52	50	49	47	45	42	40	37	
2	34	33	32	31	30	29	28	26	52	50	49	47	45	42	40	37	
3	34	33	32	31	30	29	28	26	52	50	49	47	45	42	40	37	
4	34	33	31	30	29	28	27	26	52	50	49	47	45	42	40	37	
5	34	33	31	30	29	28	27	25	51	49	48	46	44	41	39	36	
6	33	32	31	30	29	28	27	25	51	49	48	46	44	41	39	36	
7	33	32	31	30	29	28	27	25	51	49	48	46	44	41	39	36	
8	33	32	31	30	29	28	27	25	51	49	48	46	44	41	39	36	
9	33	32	31	30	29	28	27	25	51	49	48	46	44	41	39	36	
10	33	32	30	29	28	27	26	25	51	49	48	46	44	41	39	36	
11	33	32	30	29	28	27	26	25	51	49	48	46	44	41	39	36	
12	32	31	30	29	28	27	26	25	51	49	48	46	44	41	39	36	
13	32	31	30	29	28	27	26	24	50	48	47	45	43	40	38	35	
14	32	31	30	29	28	27	26	24	50	48	47	45	43	40	38	35	
15	32	31	30	29	28	27	26	24	50	48	47	45	43	40	38	35	
16	32	31	29	28	27	26	25	24	50	48	47	45	43	40	38	35	
17	32	31	29	28	27	26	25	24	50	48	47	45	43	40	38	35	
18	35	34	33	32	31	30	29	27	53	51	50	48	46	43	41	38	
19	35	34	33	32	31	30	29	27	53	51	50	48	46	43	41	38	
T≥20	35	34	33	32	31	30	29	27	53	51	50	48	46	43	41	38	

T-Outdoor ambient temperature

Path: [MENU] > [6. SILENT MODE]

MENU		1/3
1. POWER	ON	
2. MODE	HEAT	
3. SETTING TEMPERATURE	39 °C	
4. FORCE AHS	OFF	
5. WEATHER CONTROL		
6. SILENT MODE		
OK	^ v < >	BACK

SILENT MODE				1/3
S/N	START	END	LEVEL	
1. ☒	09 : 00	18 : 00	LEVEL1	
2. ☐	12 : 00	17 : 00	LEVEL1	
3. ☐	01 : 00	03 : 00	SUPER	
4. ☐	00 : 00	00 : 00	LEVEL1	
5. ☐	00 : 00	00 : 00	LEVEL1	
OK		∧ ∨ < >		BACK

- NOTE**

2.7. Timer

2.7.1. Weekly Timer

Path: [MENU] > [7. TIMER SETTING] > [1. WEEKLY TIMER SET]

MENU		2/3
7. TIMER SETTING		
8. HOLIDAY MODE		
9. POWER LIMITATION		
10. CONTROL LOCK		
11. SETTINGS		
12. PARAMETERS CONFIG		
OK	^ v < >	BACK

TIMER SETTING		1/1
1. WEEKLY TIMER SET		
2. DAILY TIMER SET		
3. CLEAR ALL TIMERS		
OK	^ v	BACK

WEEKLY TIMER SET		1/1
1. WEEKLY TIMER	1	
2. WEEKLY TIMER	2	
3. WEEKLY TIMER	3	
4. WEEKLY TIMER	4	
5. WEEKLY TIMER	5	
6. WEEKLY TIMER	6	
OK	$\wedge \vee$	BACK

WEEKLY TIMER 1						
SUN	MON	TUE	WED	THU	FRI	SAT
☒	☒	☒	☒	☒	☒	☒

START	END	MODE	POWER	TEMP
☐ 00 : 00	00:00	HEAT	TURBO	40°C

OK ^ v < > BACK

- 7



NOTES

1. If the start time is consistent with the end time, the unit will operate the timer function throughout the day.
2. A maximum of 6 timers can be set, and each timer can be controlled independently.
3. After enabling the weekly timer, "  " will be displayed on the main interface.
4. Weekly timer and daily timer are mutually exclusive. Setting a weekly timer will cancel all daily timer settings.

2.7.2. Daily Timer

Path: [MENU] > [7. TIMER SETTING] > [2. DAILY TIMER SET]

TIMER SETTING	1/1
1. WEEKLY TIMER SET	
2. DAILY TIMER SET	
3. CLEAR ALL TIMERS	
OK	^ V BACK

DAILY TIMER SET					1/2
S/N	START	END	MODE	POWER	TEMP
1. ☒	00 : 00	00 : 00	HEAT	TURBO	40℃
2. ☐	00 : 00	00 : 00	HEAT	STD	40℃
3. ☐	00 : 00	00 : 00	HEAT	STD	40℃
4. ☐	00 : 00	00 : 00	HEAT	STD	40℃
5. ☐	00 : 00	00 : 00	HEAT	STD	40℃
OK	^ v < >				BACK

1. [☐] indicates that the timer of the day has not been selected yet.
2. [☒] indicates that the timer of the day has been selected.
3. The configurable range for the start time and end time is 00:00–23:59 (cross-day settings are supported).
4. [Mode] refers to the unit's operating mode, with configurable options including [HEAT] and [COOL].
5. [TEMP] refers to the unit's target outlet water temperature; refer to Section 2.2 "Mode" for the configurable range.



NOTES

1. If the start time is consistent with the end time, the unit will operate the timer function throughout the day.
2. A maximum of 6 timers can be set, and each timer can be controlled independently.
3. After enabling the daily timer, "  " will be displayed on the main interface.
4. Weekly timer and daily timer are mutually exclusive. Setting a weekly timer will cancel all daily timer settings.

2.7.3. Clear All Timers

Path: [MENU] > [7. TIMER SETTING] > [3. CLEAR ALL TIMERS]

This function can clear all weekly and daily timer settings with one click.

TIMER SETTING	1/1
1. WEEKLY TIMER SET	
2. DAILY TIMER SET	
3. CLEAR ALL TIMERS	
OK	^ V BACK

TIMER SETTING	1/1
1. WEEKLY TIMER SET	
2. DAILY TIMER SET	
3. CLEAR ALL TIMERS	
DO YOU WANT TO CLEAR ALL TIMERS?	
YES NO	
OK	< > BACK

1. Select [3. CLEAR ALL TIMERS] and press the [OK] key to confirm.
2. Select [YES] and press the [OK] key to confirm clearing all timers.

2.8. Holiday Mode

2.8.1. Holiday Away

Path: [MENU] > [8. HOLIDAY MODE] > [1. HOLIDAY AWAY]

The holiday away function is applicable for scenarios where the user is away from home. During the user's absence, the unit will enter the energy-saving and automatic antifreeze mode.

MENU	2/3
7. TIMER SETTING	
8. HOLIDAY MODE	
9. POWER LIMITATION	
10. CONTROL LOCK	
11. SETTINGS	
12. PARAMETERS CONFIG	
OK	^ V < > BACK

HOLIDAY MODE	1/1
1. HOLIDAY AWAY	
2. HOLIDAY HOME	
3. CLEAR ALL HOLIDAY SETTINGS	
OK	^ V BACK

HOLIDAY AWAY	1/1
1. HOLIDAY AWAY	ON
2. DATE	13.01.2026-13.01.2026
3. HEAT	OFF
OK	^ V < > BACK

1. Select [1. HOLIDAY AWAY] and press the [>] key to move the cursor to the right.
2. Press the [OK] key to confirm enabling the [Holiday Away] function.
3. Select [2. DATE] and press the [<] or [>] or [^] or [v] key to adjust the duration of the [Holiday Away] function.
4. [3. HEAT] indicates whether the heating mode needs to be activated during the Holiday Away period.



NOTES

1. Holiday away function and holiday home function are mutually exclusive. After setting holiday away function to be valid, the holiday home function will be canceled.
2. When holiday away function is valid and on the execution date, the "🏠" icon will be displayed on the main interface.

2.8.2. Holiday Home

Path: [MENU] > [8. HOLIDAY MODE] > [2. HOLIDAY HOME]

The holiday home mode is designed for scenarios where users stay at home during holidays. Users can customize the mode and temperature settings without affecting the parameters configured for workdays.

HOLIDAY MODE	1/1
1. HOLIDAY AWAY	
2. HOLIDAY HOME	
3. CLEAR ALL HOLIDAY SETTINGS	
OK	^ V BACK

HOLIDAY HOME	1/1
1. HOLIDAY HOME	OFF
2. DATE	04.01.2026-04.02.2026
3. HOLIDAY HOME TIMER SET	
OK	^ V < > BACK

1. Select [2. HOLIDAY HOME] and press the [OK] key to confirm enabling the [Holiday Home] function.
2. Select [2. DATE] and press the [<] or [>] or [^] or [v] key to adjust the duration of the Holiday Home mode.
3. Select [3. HOLIDAY HOME TIMER SET] and proceed to configure the timer settings.

HOLIDAY HOME TIMER SET					1/2
S/N	START	END	MODE	TEMP	
1. ☒	00 : 00	00 : 00	HEAT	40℃	
2. ☒	00 : 00	00 : 00	HEAT	40℃	
3. ☐	00 : 00	00 : 00	COOL	20℃	
4. ☐	00 : 00	00 : 00	HEAT	40℃	
5. ☐	00 : 00	00 : 00	HEAT	40℃	
OK		^ V < >			BACK

4. ☐ indicates that the timer of the day has not been selected yet.
5. ☒ indicates that the timer of the day has been selected.
6. The configurable range for the start time and end time is 00:00–23:59 (cross-day settings are supported).
7. [Mode] refers to the unit's operating mode, with configurable options including [HEAT] and [COOL].
8. [TEMP] refers to the unit's target outlet water temperature; refer to Section 2.2 "Mode" for the configurable range.

! NOTES	
1. If the start time is consistent with the end time, the unit will operate the timer function throughout the day.	
2. When holiday home function is valid and on the execution date, the "  " icon will be displayed on the main interface.	
3. When a valid scheduled task exerts mode control only during a specific time period of the day, the remaining time periods without mode control shall be regarded as the power-off state by default.	

2.8.3. Clear All Holiday Settings

Path: [MENU] > [8. HOLIDAY MODE] > [3. CLEAR ALL HOLIDAY SETTINGS]

HOLIDAY MODE		1/1
1. HOLIDAY AWAY		
2. HOLIDAY HOME		
3. CLEAR ALL HOLIDAY SETTINGS		
OK	^ v	BACK

HOLIDAY MODE		1/1
1. H		
2. H		
3. C		
DO YOU WANT TO CLEAR ALL HOLIDAY SETTINGS?		
YES		NO
OK		BACK

1. Select [3. CLEAR ALL HOLIDAY SETTINGS] and press the [OK] key to reset all configurations of the holiday mode functions.

2.9. Power Limitation

Path: [MENU] > [9. POWER LIMITATION]

Users can activate the power limitation function to restrict the unit's maximum power output. The unit will then automatically adjust its control parameters to ensure stable operation within the user-defined limit.

2.9.1. Function Activation

1. Select [1.POWER LIMITATION] and press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to select [ON], then press [OK] to confirm and activate the Power Limitation function.

POWER LIMITATION		1/1
1. POWER LIMITATION	ON	
2. LIMITED POWER INPUT	1105kW	
3. POWER LIMITATION TIMER		
OK	^ V < >	BACK

3. Select [2.LIMITED POWER INPUT]. Press the [^] or [v] key to modify the unit's power limit, then press [OK] to confirm.

Model	Minimum Power Output	
	Single Unit	Cascade System
70kW	13kW	n*13kW
70kW (With hydro kit)	13kW	n*13kW
140kW	17kW	n*17kW
140kW (With hydro kit)	17kW	n*17kW



NOTES

1. For a single unit, [2.LIMITED POWER INPUT] refers to the maximum power of the individual unit.
2. For a cascade system, [2.LIMITED POWER INPUT] refers to the total maximum power of the cascade system.
3. Due to deviations in circuit detection, the power limit value may have a tolerance of approximately 12%. During operation, detection accuracy may be affected by factors such as voltage fluctuations and installation environment.
4. If the power limit setting is configured below the minimum power value, the unit will operate at the minimum power level.
5. [n]: Represents the quantity of units in the cascade system.

2.9.2. Power Limitation Timer

1. Select [3.POWER LIMITATION TIMER]. Use the [<] or [>] or [^] or [v] key to set the timer duration and the maximum power limit.

POWER LIMITATION TIMER				1/2
S/N	START	END	MAX POWER	
1. ☒	04 : 00	05 : 00	1100kW	
2. ☐	04 : 00	05 : 00	1150kW	
3. ☐	00 : 00	00 : 00	1150kW	
4. ☐	00 : 00	00 : 00	1150kW	
5. ☐	00 : 00	00 : 00	1150kW	
OK		^ v < >		BACK

2. [☐] indicates that the timer has not been selected yet.
3. [☒] indicates that the timer has been selected.
4. The configurable range for the start time and end time is 00:00–23:59.
5. [MAX POWER] represents the maximum power limit during the timer period.



NOTES

1. Timer Active: The system limits power based on [MAX POWER].
2. Timer Inactive: The system limits power based on [2.LIMITED POWER INPUT].

2.10. Control Lock

Path: [MENU] > [10. CONTROL LOCK]

The control lock function is designed for engineering management to restrict operational settings on wired controllers installed in public areas. This feature prevents unauthorized personnel from modifying power status, operating modes and temperature settings via the wired controller.

MENU		2/3
7. TIMER SETTING		
8. HOLIDAY MODE		
9. POWER LIMITATION		
10. CONTROL LOCK		
11. SETTINGS		
12. PARAMETERS CONFIG		
OK	^ V < >	BACK

2.10.1. Enter Password

1. Select [10.CONTROL LOCK] to enter the password input interface.
2. Press the [<], [>], [^] or [v] keys to move the cursor and enter the password.

CONTROL LOCK		
PLS ENTER YOUR PW:		
* *	* *	
OK	^ V < >	BACK

CONTROL LOCK		
WRONG PW, PLS RE-ENTER:		
* *	* *	
OK	^ V < >	BACK



NOTE

The default password is [2345].

2.10.2. Function Activation

CONTROL LOCK		2/2
1. POWER ON/OFF	UNLOCK	
2. MODE	UNLOCK	
3. SET TEMPERATURE	UNLOCK	
OK	^ V < >	BACK

22-01-2026		08:00	25℃	Wi-Fi
The power on/off setting is locked. Confirm unlock?				
YES		NO		
OK	< >			BACK

1. Select [1.POWER ON/OFF] and press the [>] key to move the cursor to the right.
2. Press the [^] or [v] keys to select [LOCK], then press [OK] to lock the ON and OFF status of the unit.
3. [1.POWER ON/OFF]: Locks the unit's On/Off status. The user is restricted from changing the power state.
4. [2.MODE]: Locks the Cooling or Heating mode. The user is restricted from switching the operational mode.
5. [3.SET TEMPERATURE]: Locks the unit's Target Temperature. The user is restricted from modifying the temperature setting.

2.11. Basic Settings

2.11.1. Time

Path: [MENU] > [11.SETTINGS] > [1.TIME]

By default, the wired controller updates its time according to the internet time at the factory. If you need to display the time set on the wired controller instead, the setting can be adjusted via the wired controller.

SETTINGS		1/2
1. TIME	21-01-2026 17:36	
2. SCREEN BRIGHT	10	
3. KEY BUZZER	OFF	
4. CHILD LOCK	OFF	
5. LANGUAGE SELECT	EN	
6. TEMP DISPLAY	INDOOR	
OK	^ V < >	BACK

1. Select [1.TIME], press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to adjust the time, then press the [OK] key to confirm the configurations.

SETTINGS		2/2
7. TEMP UNIT	°C	
8. BACK TO HOMEPAGE TIME	120S	
9. WIRE CONTROLLER ADDRESS	01	
10. SOURCE OF TIME	INTERNET	
OK	^ V < >	BACK

3. Select [10.SOURCE OF TIME]. Press the [>] key to move the cursor to the right.
4. Press the [^] or [v] key to adjust the time source, then press the [OK] key to confirm the configuration.



NOTES

1. [INTERNET]: The controller time is synchronized with the network.
2. [LOCAL]: The controller time follows the user-defined settings.

2.11.2. Screen Bright

Path: [MENU] > [11.SETTINGS] > [2.SCREEN BRIGHT]

The backlight is set to 10 by default, and the unit will automatically return to the main interface if there is no operation within 120 seconds. Users can set the backlight level and return time via the wired controller.

SETTINGS		1/2
1. TIME	21-01-2026 17:36	
2. SCREEN BRIGHT	10	
3. KEY BUZZER	OFF	
4. CHILD LOCK	OFF	
5. LANGUAGE	EN	
6. TEMP DISPLAY	INDOOR	
OK	^ V < >	BACK

1. Press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to adjust the parameter, then press the [OK] key to confirm the configurations.

2.11.3. Key Buzzer

Path: [MENU] > [11.SETTINGS] > [3.KEY BUZZER]

When the key is pressed, the buzzer emits a single beep. The buzzer sound can be disabled via the wired controller.

SETTINGS		1/2
1. TIME	21-01-2026 17:36	
2. SCREEN BRIGHT	10	
3. KEY BUZZER	OFF	
4. CHILD LOCK	OFF	
5. LANGUAGE	EN	
6. TEMP DISPLAY	INDOOR	
OK	^ V < >	BACK

1. Press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to adjust the parameter, then press the [OK] key to confirm the configurations.

2.11.4. Child Lock

Path: [MENU] > [11.SETTINGS] > [4.CHILD LOCK]

When the child lock function is activated, the wired controller becomes inoperable. To unlock, press and hold the [OK] key for 2 seconds. Normal operation will resume upon successful unlocking.

1. Press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to adjust the parameter, then press the [OK] key to confirm the configurations.

SETTINGS		1/2
1. TIME	21-01-2026 17:36	
2. SCREEN BRIGHT	10	
3. KEY BUZZER	OFF	
4. CHILD LOCK	OFF	
5. LANGUAGE	EN	
6. TEMP DISPLAY	INDOOR	
OK	^ V < >	BACK

2.11.5. Language

Path: [MENU] > [11.SETTINGS] > [5.LANGUAGE]

The user may select the corresponding language based on local usage habits.

1. Press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to adjust the parameter, then press the [OK] key to confirm the configurations.

SETTINGS		1/2
1. TIME	21-01-2026 17:36	
2. SCREEN BRIGHT	10	
3. KEY BUZZER	OFF	
4. CHILD LOCK	OFF	
5. LANGUAGE	EN	
6. TEMP DISPLAY	INDOOR	
OK	^ V < >	BACK

2.11.6. Temp Display

Path: [MENU] > [11.SETTINGS] > [6.TEMP DISPLAY]

[6.TEMP DISPLAY] configures the ambient temperature display. Users can select whether to show the outdoor or indoor ambient temperature via the wired controller.

1. Press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to adjust the parameter, then press the [OK] key to confirm the configurations.

SETTINGS		1/2
1. TIME	21-01-2026 17:36	
2. SCREEN BRIGHT	10	
3. KEY BUZZER	OFF	
4. CHILD LOCK	OFF	
5. LANGUAGE	EN	
6. TEMP DISPLAY	INDOOR	
OK	^ V < >	BACK

2.11.7. Temp Unit

Path: [MENU] > [11.SETTINGS] > [7.TEMP UNIT]

[7.TEMP UNIT] refers to the temperature unit displayed on the wired controller. Users can switch between Fahrenheit (°F) and Celsius (°C) by modifying the wired controller's parameters.

1. Press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to adjust the parameter, then press the [OK] key to confirm the configurations.

SETTINGS		2/2
7. TEMP UNIT	°C	
8. BACK TO HOMEPAGE TIME	120S	
9. WIRE CONTROLLER ADDRESS	01	
10. SOURCE OF TIME	INTERNET	
OK	^ V < >	BACK

2.11.8. Back To Homepage Time

Path: [MENU] > [11.SETTINGS] > [8.BACK TO HOMEPAGE TIME]

[8.BACK TO HOMEPAGE TIME] defines the auto-return timeout period for the controller to revert to the main interface from the menu screen. The value can be adjusted by the user via the wired controller.

SETTINGS		2/2
7. TEMP UNIT		°C
8. BACK TO HOMEPAGE TIME		120S
9. WIRE CONTROLLER ADDRESS		01
10. SOURCE OF TIME		INTERNET
OK	^ V < >	BACK

1. Press the [>] key to move the cursor to the right.
2. Press the [^] or [v] key to adjust the parameter, then press the [OK] key to confirm the configurations.

2.11.9. Wired controller Address

Path: [MENU] > [11.SETTINGS] > [9.Wired controller ADDRESS]

Dual wired controller connection is supported. [9.Wired controller ADDRESS] specifies the communication address of the device, which is used to configure the Master/Slave relationship.

SETTINGS		2/2
7. TEMP UNIT	°C	
8. BACK TO HOMEPAGE TIME	120S	
9. WIRE CONTROLLER ADDRESS	01	
10. SOURCE OF TIME	INTERNET	
OK	^ v < >	BACK



NOTES

1. [01] designates the master wired controller.

2. [02] designates the slave wired controller.

2.12. Parameters Configuration

Path: [MENU] > [12. PARAMETERS CONFIG]

[12. PARAMETERS CONFIG] is restricted to professional technicians, such as installers or engineers. If adjustments to these parameters are required, please contact your dealer or installer.

PARAMETERS CONFIG		1/1
1. INSTALLER SETTINGS		
2. PRODUCER SETTING		
3. MODIFY PASSWORD		
4. FACTORY RESET		
OK	^ v	BACK

2.13. Parameters Query

Path: [MENU] > [13. PARAMETERS QUERY]

[13. PARAMETERS QUERY] allows users to monitor the unit's operating parameters and load status. Professional technicians can utilize this menu for troubleshooting and diagnostic analysis. Refer to Appendix 4.1 Parameters list for detailed parameter definitions.

1. [1. SYSTEM PARAMETERS]: Displays parameters related to the water system and refrigerant system.

2. [2. ELECTRICAL PARAMETERS]: Displays electrical parameters such as current and voltage.

3. [3. STATUS QUERY]: Displays the system load status.

PARAMETERS QUERY		1/1
1. SYSTEM PARAMETERS		
2. ELECTRICAL PARAMETERS		
3. STATUS QUERY		
OK	^ v	BACK

2.14. Error

Path: [MENU] > [14. ERROR]

[14. ERROR] allows users to query all fault information. Technicians can use this parameter to review historical faults and provide troubleshooting solutions for the user.

1. [1.CURRENT ERROR]: Indicates the currently active fault.

2. [2.HISTORICAL ERROR]: Indicates previously recorded faults.

3. [3.CLEAR HISTORICAL ERRORS]: Allows the user to clear all historical faults from the log.

ERROR		1/1
1. CURRENT ERROR		
2. HISTORICAL ERROR		
3. CLEAR HISTORICAL ERRORS		
OK	^ v	BACK

ERROR		1/1
1. CURRENT ERROR		
2. HISTORICAL ERROR		
3. CLEAR HISTORICAL ERRORS		
DELETED HISTORICAL ERRORS?		
YES NO		
OK	< >	BACK

2.15. WIFI

2.15.1. APP Download

Users can scan the following QR code to download the "TSmart" APP from the Google Play or App Store.



2.15.2. Register

For first-time use, users are required to register an account using their email address. Once registration is complete, users can log in to the APP with the registered account.

2.15.3. APP Connection

Press and hold the [Mode] and [✓] keys simultaneously for 5 seconds to activate WIFI configuration. When the WIFI icon on the controller flashes continuously, it confirms that the unit has been activated. You may then proceed to connect the unit via the APP.

! NOTE

Ensure a WIFI network connection is available during the setup process. The network must operate at a frequency of 2.4 GHz.

2.15.4. Activation Code

During the WIFI configuration process, the user is required to enter the activation code. Please assist the user by entering it manually or by scanning the code provided below.

Activation Code: EVO



2.15.5. WIFI Reset

Path: [MENU] > [15. RESET WIFI]

If the user wants to change the WIFI network or account, please reset the WIFI via [15. RESET WIFI] and complete the configuration following the steps previously mentioned.

MENU3/3

13. PARAMETERS QUERY

14. ERROR

15. RESET WIFI

16. VERSIONS

OK ^ V < > BACK

MENU3/3

13. F

14. E

15. F

16. V

DO YOU WANT TO RECONFIGURE THE NETWORK?

YES NO

OK ^ V < > BACK

2.16. Version

Path: [MENU] > [16. VERSIONS]

Users can check the program versions of the indoor unit, outdoor unit, and EEPROM via [16. VERSIONS].

MENU	3/3
13. PARAMETERS QUERY	
14. ERROR	
15. RESET WIFI	
16. VERSIONS	
OK	^ V < >
	BACK

00#	VERSIONS	1/3
WIRED CONTROLLER PROGRAM:		
SWXK000324V02		
IDU MAIN BOARD 1# :		
SWBP117605V02		
IDU MAIN BOARD 2# :		
OK	^ V < >	BACK

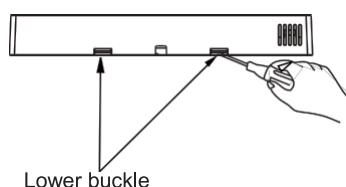
3. Installation

3.1. Material Checklist

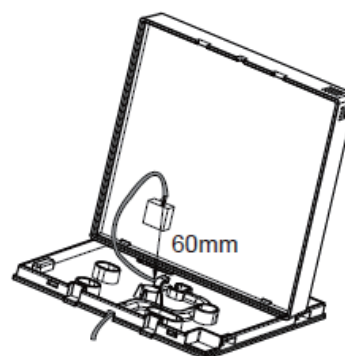
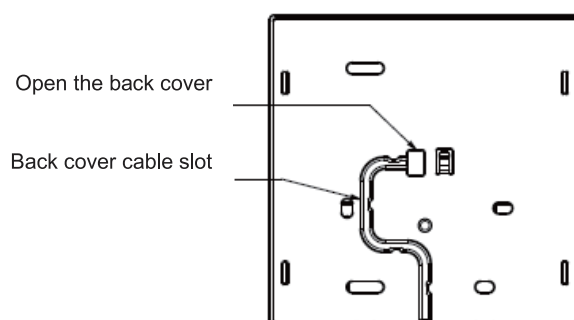
No.	Name	Qty.
1	Communication cable	x1
2	Wired controller	x1
3	Accessory screws	x2

3.2. Installation Steps

1. Use a tool to pry open the back cover of the wired controller from the lower buckle.



2. Pass the accessory communication cable through the opening of the back cover, clamp the communication cable in the cable slot of the back cover, and connect the plug-in terminal and the reserved host communication cable; reserve 50mm-60mm in length in the wired controller.



3. Use the accessory screws to mount the wired controller on the wall.
4. Connect the communication cable to the mainboard of the wired controller.
5. Fasten the front cover and back cover of the wired controller.

4. Appendix

4.1. Parameters List

1. System Parameters

No.	Parameter Name	Content
1	WATER INLET TEMP	Water inlet temperature
2	WATER OUTLET TEMP	Water outlet temperature
3	FINAL WATER TEMP	Final water temperature
4	WATER INLET TEMP (C)	Water inlet temperature (Correction)
5	WATER OUTLET TEMP(C)	Water outlet temperature (Correction)
6	FINAL WATER TEMP(C)	Final water temperature (Correction)
7	WATER TANK TEMP	Water tank temperature
8	AMBIENT TEMP 1#	Ambient temperature of system 1#
9	SUCTION TEMP 1#	Suction temperature of system 1#
10	DISCHARGE TEMP 1#	Discharge temperature of system 1#
11	LOW PRESSURE SENSOR 1#	Low pressure sensor of system 1#
12	HIGH PRESSURE SENSOR 1#	High pressure sensor of system 1#
13	RE GAS PIPE TEMP 1#	Refrigerant gas pipe temperature of system 1#
14	RE LIQUID PIPE TEMP 1#	Refrigerant liquid pipe temperature of system 1#
15	SUBCOOLING TEMP 1#	Subcooling temperature of system 1#
16	ECONOMIZER IN TEMP 1#	Economizer inlet temperature of system 1#
17	ECONOMIZER OUT TEMP 1#	Economizer outlet temperature of system 1#
18	COIL TEMP 1#	Coil temperature of system of system 1#
19	TARGET COMP SPEED 1#	Target compressor speed of system 1#
20	CURRENT COMP SPEED 1#	Current compressor speed of system 1#
21	FAN MOTOR GEAR 1#	Fan motor gear of system 1#
22	FAN MOTOR SPEED 1#	Fan motor speed of system 1#
23	MAIN EEV 1#	Main electric expansion valve of system 1#
24	AUX EEV 1#	Auxiliary electric expansion valve of system 1#
25	AMBIENT TEMP 2#	Ambient temperature of system 2#
26	SUCTION TEMP 2#	Suction temperature of system 2#
27	DISCHARGE TEMP 2#	Discharge temperature of system 2#
28	LOW PRESSURE SENSOR 2#	Low pressure sensor of system 2#
29	HIGH PRESSURE SENSOR 2#	High pressure sensor of system 2#
30	RE GAS PIPE TEMP 2#	Refrigerant gas pipe temperature of system 2#
31	RE LIQUID PIPE TEMP 2#	Refrigerant liquid pipe temperature of system 2#
32	SUBCOOLING TEMP 2#	Subcooling temperature of system 2#
33	ECONOMIZER IN TEMP 2#	Economizer inlet temperature of system 2#
34	ECONOMIZER OUT TEMP 2#	Economizer outlet temperature of system 2#
35	COIL TEMP 2#	Coil temperature of system of system 2#
36	TARGET COMP SPEED 2#	Target compressor speed of system 2#
37	CURRENT COMP SPEED 2#	Current compressor speed of system 2#
38	FAN MOTOR GEAR 2#	Fan motor gear of system 2#
39	FAN MOTOR SPEED 2#	Fan motor speed of system 2#
40	MAIN EEV 2#	Main electric expansion valve of system 2#
41	AUX EEV 2#	Auxiliary electric expansion valve of system 2#

2. Electrical Parameters

No.	Parameter Name	Content
1	BUS VOLTAGE 1#	Bus voltage of system 1#
2	COMP CURRENT 1#	Compressor current of system 1#
3	AC IN-VOLTAGE 1#	Ac input voltage of system 1#
4	AC IN-CURRENT 1#	Ac input current of system 1#
5	COMP IPM TEMP 1#	Compressor IPM temperature of system 1#
6	FAN IPM TEMP 1#	Fan IPM temperature of system 1#
7	E-BOX AMBIENT TEMP 1#	Electric box ambient temperature
8	FAN MOTOR CURRENT 1#	Fan motor current of system 1#
9	COOL FAN SPEED 1#	Cooling fan speed of system 1#
10	BUS VOLTAGE 2#	Bus voltage of system 2#
11	COMP CURRENT 2#	Compressor current of system 2#
12	AC IN-VOLTAGE 2#	AC input voltage of system 2#
13	AC IN-CURRENT 2#	AC input current of system 2#
14	COMP IPM TEMP 2#	Compressor IPM temperature of system 2#
15	FAN IPM TEMP 2#	Fan IPM temperature of system 2#
16	E-BOX AMBIENT TEMP 2#	Electric box ambient temperature
17	FAN MOTOR CURRENT 2#	Fan motor current of system 2#
18	COOL FAN SPEED 2#	Cooling fan speed of system 2#

3. Status Query

No.	Parameter Name	Content
1	DIAL STATUS 1#	Dial status of system 1#
2	TURNTABLE STATUS 1#	Turntable status of system 1#
3	ALARM SIGNAL 1#	Alarm signal of system 1#
4	FLOW SWITCH 1#	Flow switch of system 1#
5	WATER PUMP 1#	Water pump of system 1#
6	WATER PUMP OVERLOAD 1#	Water pump overload of system 1#
7	AUX E-HEATER 1#	Auxiliary electric heater of system 1#
8	AUX E-HEATER FB 1#	Auxiliary electric heater feedback of system 1#
9	WATER TANK HEATER 1#	Water tank heater of system 1#
10	E-HEATER MAIN SWITCH 1#	Auxiliary electric heater main switch of system 1#
11	CHASSIS HEATER 1#	Chassis heater of system 1#
12	CRANKCASE HEATER 1#	Crankcase heater of system 1#
13	4-WAY VALVE 1#	4-Way valve of system 1#
14	OIL RETURN VALVE 1#	Oil return valve of system 1#
15	COOL BYPASS VALVE 1#	Cooling bypass valve of system 1#
16	HIGH PRESSURE SWITCH 1#	High pressure switch of system 1#
17	LOW PRESSURE SWITCH 1#	Low pressure switch of system 1#
18	REMOTE CONTROL 1#	Remote control of system 1#
19	THERMOSTAT-C 1#	Thermostat (Cooling) of system 1#
20	THERMOSTAT-H 1#	Thermostat (Heating) of system 1#
21	COOL FAN 1#	Cooling fan of system 1#
22	FAN LOW SPEED 1#	Fan low speed of system 1#

23	FAN HIGH SPEED 1#	Fan high speed of system 1#
24	FAN OVERLOAD 1#	Fan overload of system 1#
25	USB INSERT 1#	USB insert of system 1#
26	3-PHASE STATUS 1#	3-phase detection status of system 1#
27	DIAL STATUS 2#	Dial status of system 2#
28	TURNTABLE STATUS 2#	Turntable status of system 2#
29	ALARM SIGNAL 2#	Alarm signal of system 2#
30	FLOW SWITCH 2#	Flow switch of system 2#
31	WATER PUMP 2#	Water pump of system 2#
32	WATER PUMP OVERLOAD 2#	Water pump overload of system 2#
33	AUX E-HEATER 2#	Auxiliary electric heater of system 2#
34	AUX E-HEATER FB 2#	Auxiliary electric heater feedback of system 2#
35	WATER TANK HEATER 2#	Water tank heater of system 2#
36	E-HEATER MAIN SWITCH 2#	Auxiliary electric heater main switch of system 2#
37	CHASSIS HEATER 2#	Chassis heater of system 2#
38	CRANKCASE HEATER 2#	Crankcase heater of system 2#
39	4-WAY VALVE 2#	4-Way valve of system 2#
40	OIL RETURN VALVE 2#	Oil return valve of system 2#
41	COOL BYPASS VALVE 2#	Cooling bypass valve of system 2#
42	HIGH PRESSURE SWITCH 2#	High pressure switch of system 2#
43	LOW PRESSURE SWITCH 2#	Low pressure switch of system 2#
44	REMOTE CONTROL 2#	Remote control of system 2#
45	THERMOSTAT-C 2#	Thermostat (Cooling) of system 2#
46	THERMOSTAT-H 2#	Thermostat (Heating) of system 2#
47	COOL FAN 2#	Cooling fan of system 2#
48	FAN LOW SPEED 2#	Fan low speed of system 2#
49	FAN HIGH SPEED 2#	Fan high speed of system 2#
50	FAN OVERLOAD 2#	Fan overload of system 2#
51	USB INSERT 2#	USB insert of system 2#
52	3-PHASE STATUS 2#	3-phase detection status of system 2#



NOTE

Only System 1# is displayed for the 70kW model.

4.2. Error List

Code	Content
bU	Cooling Fan Failure
d2	Water Inlet Temperature Sensor Failure
d3	Water Outlet Temperature Sensor Failure
d4	Refrigerant Gas Pipe Temperature Sensor Failure
d5	Refrigerant Liquid Pipe Temperature Sensor Failure
d6	System Total Water Outlet Temperature Sensor Failure
dL	E-Box Ambient Temperature Sensor Failure
dn	Water Tank Temperature Sensor Failure
E0	IDU&ODU Communication Failure
E3	Coil Temperature Sensor Failure
E5	Dial Abnormality
E7	Ambient Temperature Sensor Failure
E8	Discharge Temperature Sensor Failure
Eb	Main Board & Wired controller Communication Failure
EC	Module Communication Failure
Ed	IDU PCB EEPROM Failure
EE	ODU PCB EEPROM Failure
EF	DC Fan Failure
EH	Suction Sensor Failure
EL	Economizer Outlet Temperature Sensor Failure
EN	Cascade Module Communication Failure
Et	Economizer Inlet Temperature Sensor Failure
Ey	Subcooling Outlet Temperature Sensor Failure
F3	Coil Temperature Sensor Failure Protection
F6	Compressor Phase Protection
F7	Module Temperature Protection
F8	4-way Valve Reversal Protection
FA	Compressor Phase Current Protection
H1	High Pressure Protection
H2	Low Pressure Protection
H3	High Pressure Sensor Failure
H4	Low Pressure Sensor Failure
Jt	Lack Of Phase Protection
L2	Water Temperature Difference Abnormality
L3	Too Low Water Outlet Temperature
L4	Too High Water Outlet Temperature
L5	Too Low Water Inlet Temperature
L6	Too High Water Inlet Temperature
L8	Insufficient Water Flow Protection
Lb	E-heater Feedback Abnormality
LP	AC Pump Overload Protection
P0	IPM Module Protection
P1	Over-voltage Protection
P2	Over-current Protection
P4	Too High Discharge Temp Protection
P5	Anti-freeze Protection (Cooling)
P6	Overheat Protection (Cooling)
P7	Overheat Protection (Heating)
P8	Ambient Temperature Abnormal Protection