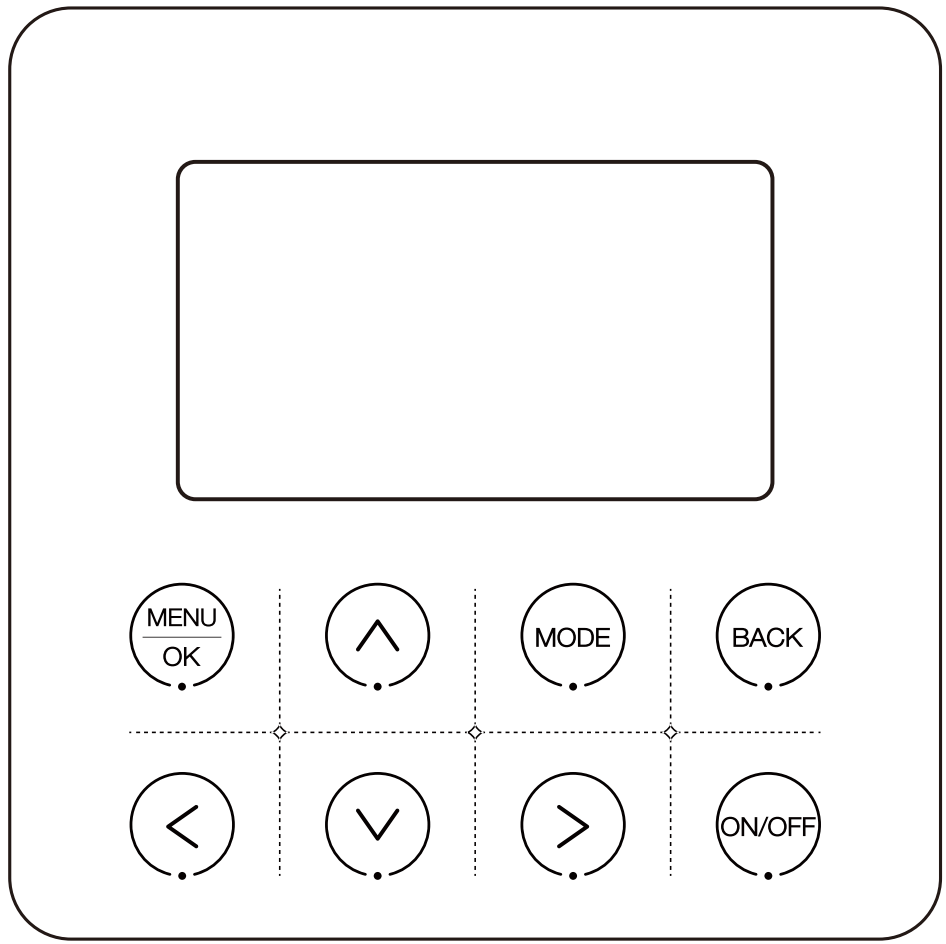
Wired controller Instructions

- Installation should be done by professional personnel.
- For the purpose of easy operation, please read this manual carefully and follow its instructions.
- Please keep the manual carefully for reference.
- For A-thermal Unit.



Notice for use

To ensure correct use, please read and follow these notes carefully.

Warning	There is a great possibility of serious accidents such as death, serious injury, fire or property damage caused by ignoring the contents of the warning.
Note	There is a great possibility that the optimum operation result cannot be obtained due to ignoring the contents of the precautions.

- Please entrust a local dealer or local service network station to arrange professional personnel who have air conditioner installation certificate to carry out the installation, users are strictly prohibited to carry out the installation.
- Before cleaning or maintenance, please cut off power switch; water washing is prohibited, which has the risk of electric shock.
- Wet hand operation is prohibited, which has the risk of electric shock.
- Pesticides, disinfectants, and flammable spray materials are prohibited for direct spraying; otherwise, it may cause a fire or the deformation of devices.
- Do not peel off the display panel by hand, which has the risk of electric shock.
- The wire controller is low-voltage circuit, it is prohibited to directly contact with a high-voltage line or be placed together with a high-voltage line in the same wiring pipe, and interval shall be 500mm at least or more.

Technical indicators

- Power voltage range: DC 12V;
- Mounting hole spacing:58~62mm;
- Button: Touch button;
- Humidity:RH20%~RH90%;
- Max communication line length:60m;
- Working ambient humidity:0℃~50℃;
- Dimensions(W*H*D):120*120*20mm.

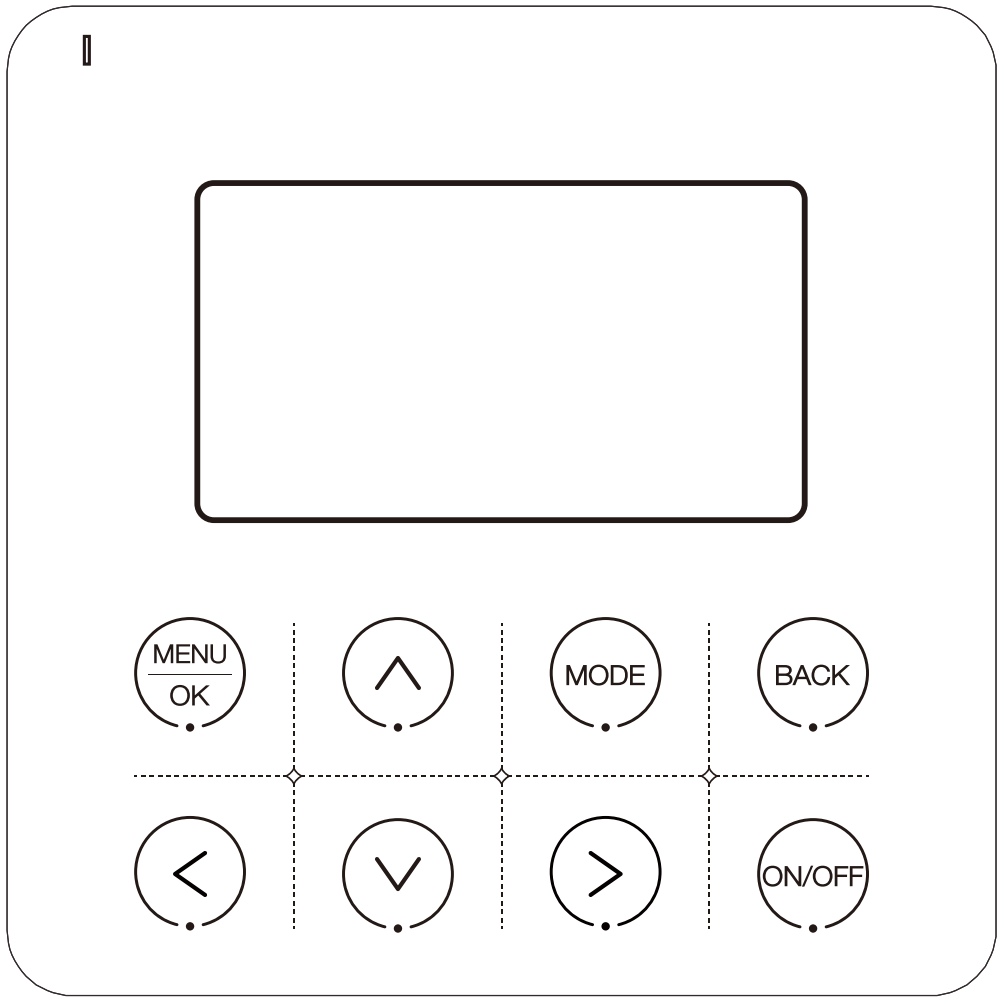
Main functions

- 8-key touch button input;
- Display the failure of main controller;
- LCD+ white backlight.

Icon Explanation

Icon	Name	Icon	Name	Icon	Name
	HEAT		DHW		TEMP KEEP
	COOL		FAST DHW		TEMP UP
	AUTO		SCHEDULE		TEMP DOWN
	WATER TEMP		IBH		DISINFECT
	TIME BOOKING		FLOOR PREHEAT		SOLAR
	SCREEN LOCK		FLOOR DRYING		FAN COIL
	TBH		WLAN		RADIATOR
	OUTDOOR TEMP		ERROR		FLOOR HEAT
	FREE ELEC.		VALLEY ELEC.		PEAK ELEC.
	COMPRESSOR		PUMP		GAS
	ANTIFREEZE		DEFROST		HOLIDAY
	SILENT		ECO		EMERGENCY

Instructions



Note: The product adopts touch buttons. To ensure the validity of operation, please touch the center of each icon.

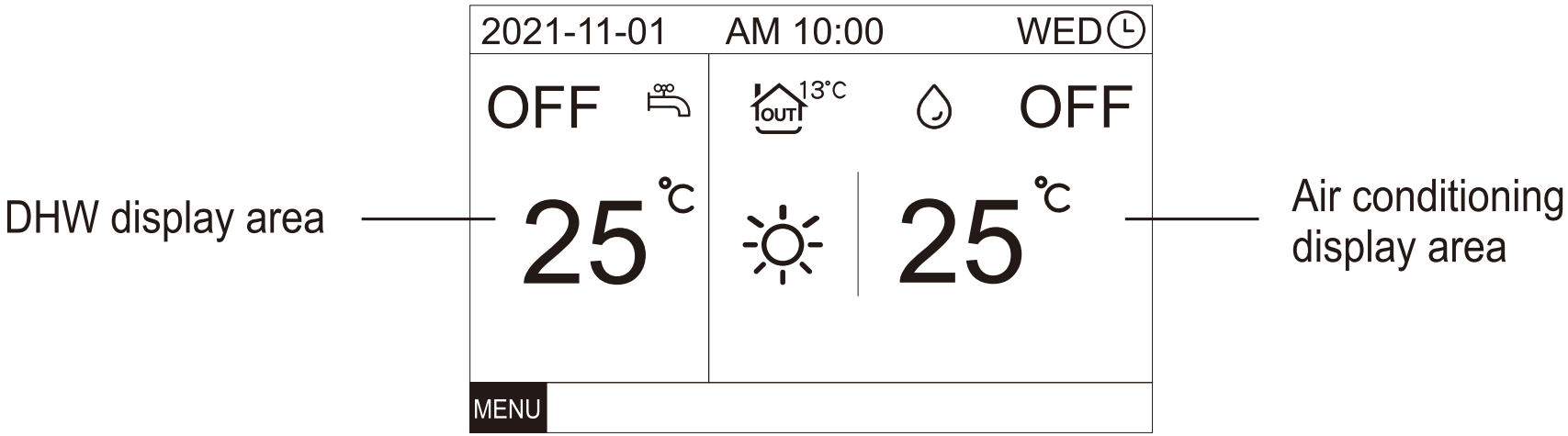
The wired controller button

Logo	Name	Description
	Menu/OK Key	Enter the next menu interface/setting confirmation
	Up Key	Upward selection/value increase or content change
	Down Key	Downward selection/decrease value or content change
	Back Key	Return to the previous level/View current fault
	Mode Key	Mode Switch
	Left Key	Change selected item
	Right Key	Change selected item
	ON/OFF Key	Control unit on/off

Instructions

1 Mode area selection

In the main interface, by pressing the 【Left key】, you can select the DHW (Domestic hot water) display area;
by pressing the 【Right key】, you can select the air conditioning display area.

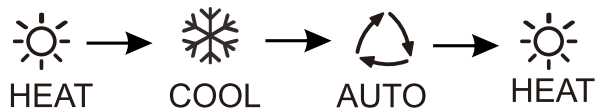


2 Power 【ON/OFF】

Press the 【ON/OFF Key】,control the unit on and off.

3 Mode Setting

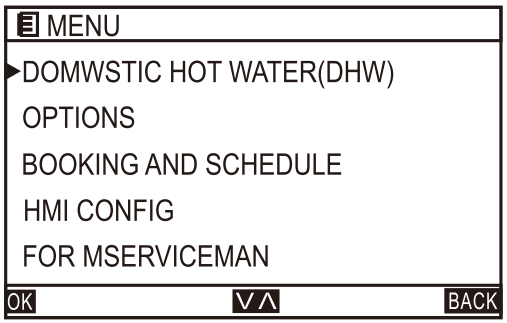
Select the air conditioning display area and press the 【Mode key】, the unit will switch according to the following order:



4.Temperature Setting

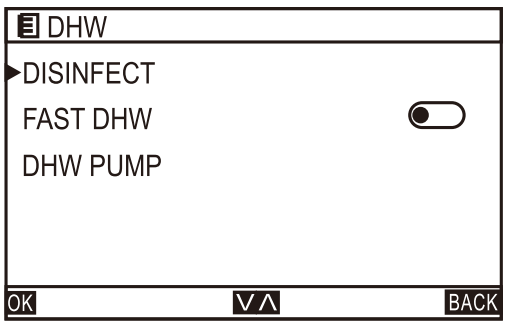
When the unit is running, press "∧" or "∨" to increase or decrease the setting temperature by1℃.

5.Function Setting



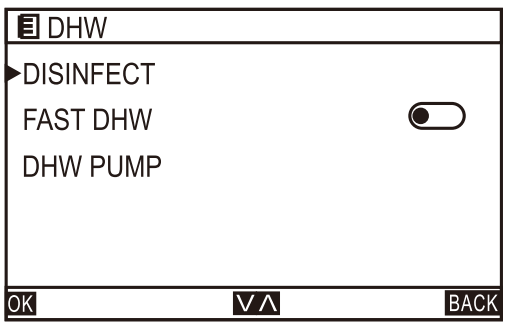
On the home screen, press 【MENU/OK Key】to enter the menu page.
Switch to different sub menu by pressing "∧"or "∨".

5.1 DOMESTIC HOT WATER(DHW)

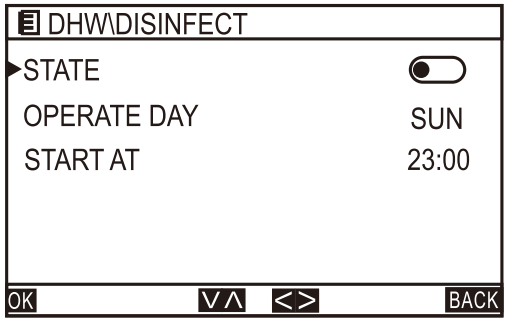


On the MENU page, select DOMESTIC HOT WATER (DHW) and press the【MENU/OK Key】to enter the DOMESTIC HOT WATER(DHW) page.
Switch to different sub menu by pressing "∧"or "∨".

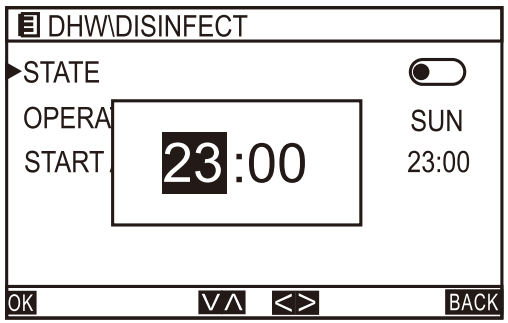
5.1.1 Disinfection setting



On the DHW page, select DISINFECT and press the【MENU/OK Key】to enter the DISINFECT page.
Switch to different sub menu by pressing "∧"or "∨".

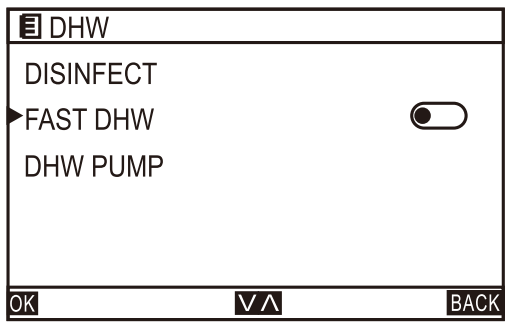


Select STATE and press the" < "or " > " to set On/Off.
Select OPERATE DAY and press the" < "or " > " to select the different level according to the following order:
SUN→MON→TUE→WED→THU→FRI→SAT→SUN



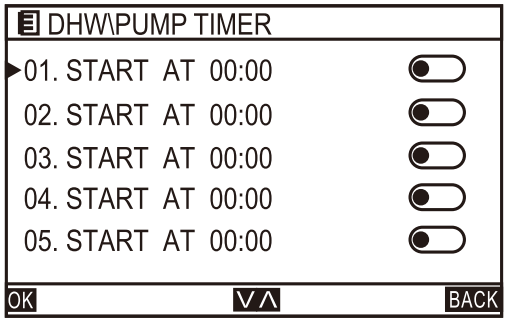
Select START AT and press the【MENU/OK Key】 to start the time setting.
Press the" < "or " > " to select hour/minute,and press the "Λ"or "V" to set the clock.

5.1.2 Fast DHW setting

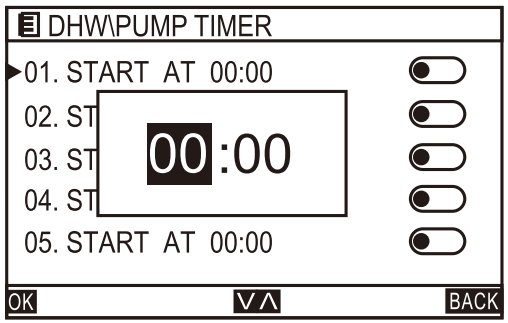


On the DHW page, select FAST DHW and Press the " < "or " > " to set On/Off.

5.1.3 DHW PUMP Setting

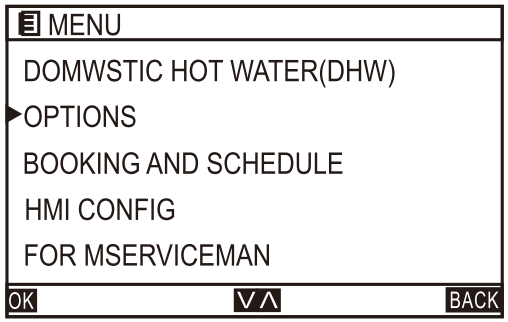


On the DHW page, select DHW PUMP and press the 【MENU/OK Key】 to enter the DHW PUMP page.
Switch to different sub menu by pressing "∧"or "∨".
select TIMER and Press the"∧"or "∨"to set On/Off.



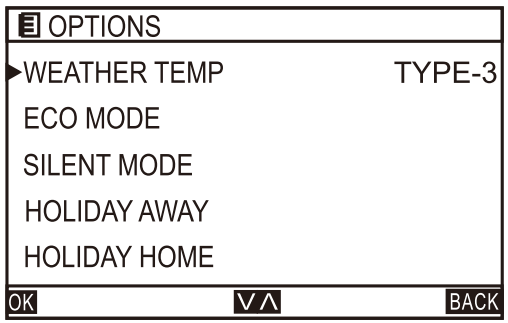
select TIMER and Press the 【MENU/OK Key】 to set start the time setting.
Press the" < "or " > " to select hour/minute,and press the "∧"or "∨" to set the clock.

5.2 OPTIONS



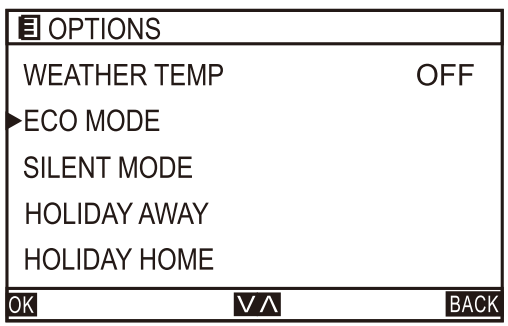
On the MENU page, select OPTIONS and press the 【MENU/OK Key】to enter the OPTIONS page.
Switch to different sub menu by pressing "Λ"or "V".

5.2.1 WEATHER TEMP Setting

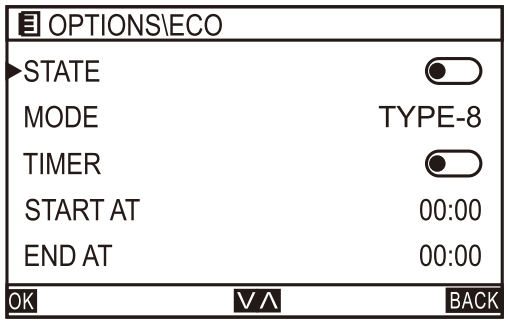


On the OPTIONS page, Select WEATHER TEMP and press the"<"or ">" to select the different level according to the following order:
OFF→TYPE-1→TYPE-2→TYPE-3→TYPE-4→TYPE-5→TYPE-6→TYPE-7→TYPE-8→TYPE-9→OFF

5.2.2 ECO MODE



On the OPTIONS page, select ECO and press the 【MENU/OK】Key to enter the ECO page.
Switch to different sub menu by pressing "Λ"or "V".

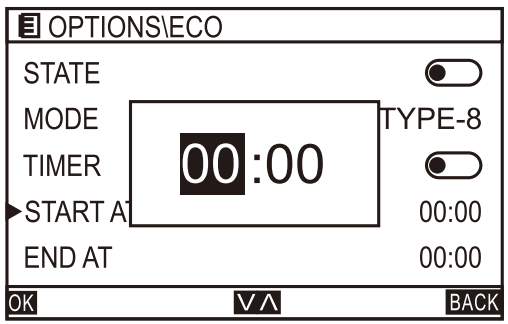


On the ECO page, select STATE and press the" < "or " > " to set On/Off.

On the ECO page, Select MODE and press the" < "or " > " to select the different level according to the following order：

TYPE-1→TYPE-2→TYPE-3→TYPE-4→TYPE-5→TYPE-6→TYPE-7→TYPE-8→TYPE-1.

On the ECO page, select TIMER and press the" < "or " > " to set On/Off

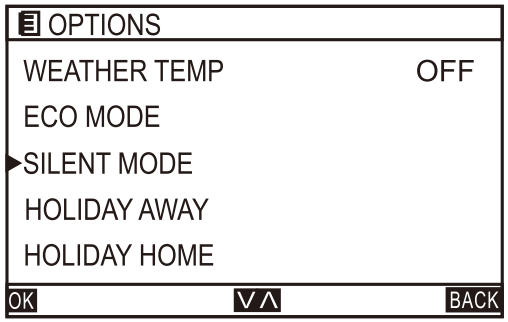


On the ECO page, select START AT and press the 【MENU/OK Key】to set the start time.

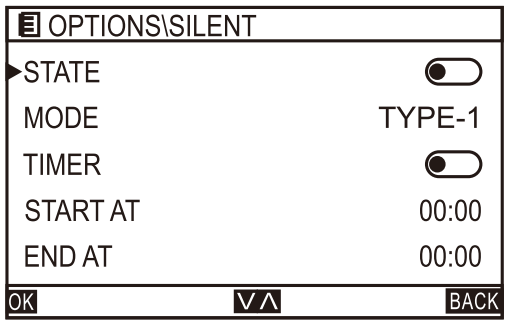
On the ECO page, select END AT and press the 【MENU/OK Key】 to set the end time .

Press the" < "or " > " to select hour/minute,and press the "∧"or "∨" to set the clock.

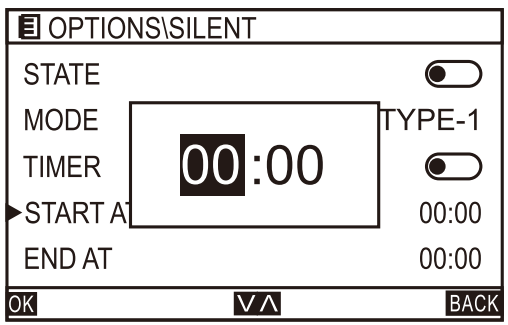
5.2.3 SILENT MODE



On the OPTIONS page, select SILENT and press the 【MENU/OK Key 】to enter the SILENT page.
Switch to different sub menu by pressing"∧"or "∨".

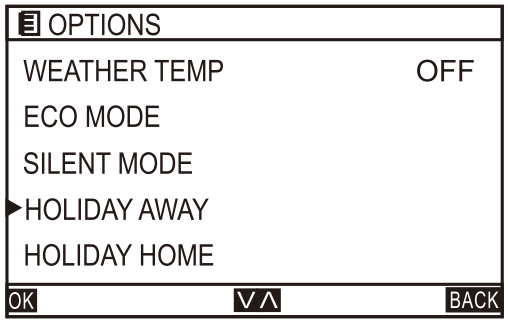


On the SILENT page, select STATE and press the" < "or " > " to set On/Off.
On the SILENT page, Select MODE and press the" < " or " > " to select the different level according to the following order：
TYPE-1→TYPE-2→TYPE-1.
On the SILENT page, select TIMER and press the" < "or " > " to set On/Off.



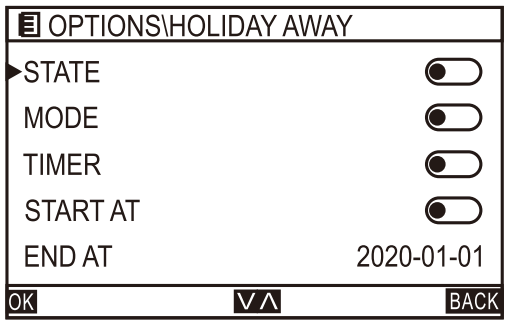
On the SILENT page, select START AT and press the 【MENU/OK Key 】to set the start time.
On the SILENT page, select END AT and press the 【MENU/OK Key 】to set the end time.
Press the" < "or " > " to select hour/minute,and press the "∧"or "∨" to set the clock.

5.2.4 HOLIDAY AWAY

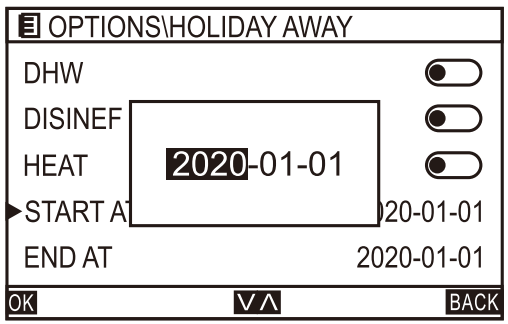


On the OPTIONS page, select HOLIDAY AWAY and press the【MENU/OK Key 】to enter the HOLIDAY AWAY page.

Switch to different sub menu by pressing"Λ"or "V".

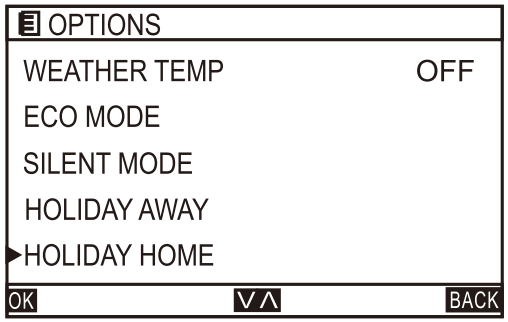


On the HOLIDAY AWAY page, select STATE and press the" < "or " > " to set On/Off.
On the HOLIDAY AWAY page, Select DHW and press the" < "or " > " to set On/Off.
On the HOLIDAY AWAY page, select DISINFECT and press the" < "or " > " to set On/Off.
On the HOLIDAY AWAY page, select HEAT and press the" < "or " > " to set On/Off.



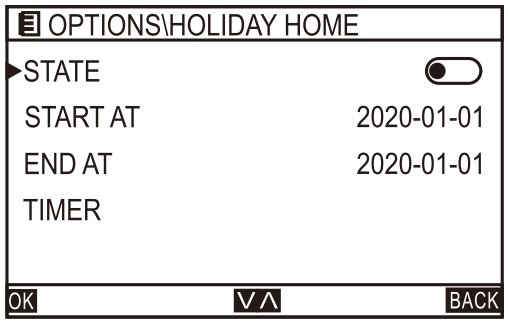
On the HOLIDAY AWAY page, select START AT and press the【MENU/OK Key 】to set the start time.
On the HOLIDAY AWAY page, select END AT and press the【MENU/OK Key 】to set the end time.
Press the" < "or " > " to select year/month/day,and the "Λ"or "V " to set the date.

5.2.5 HOLIDAY HOME

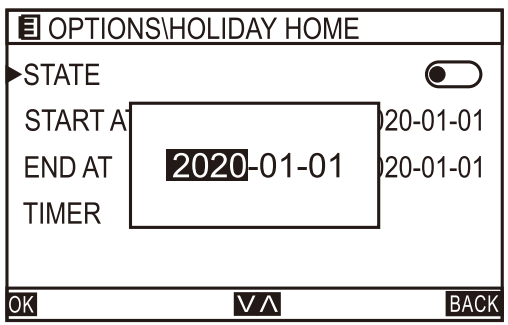


On the OPTIONS page, select HOLIDAY HOME and press the【MENU/OK Key 】to enter the HOLIDAY HOME page.

Switch to different sub menu by pressing"Λ"or "V".



On the HOLIDAY HOME page, select STATE and press the" < "or " > " to set On/Off.

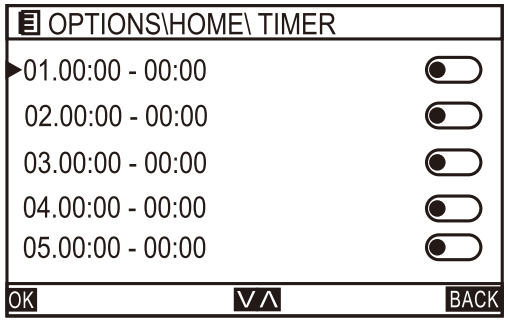


On the HOLIDAY HOME page, select START AT and press the【MENU/OK Key 】to set the start time.

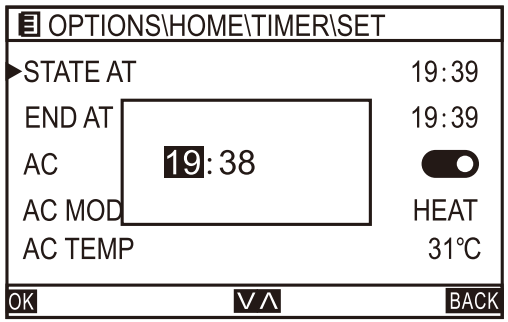
On the HOLIDAY HOME page, select END AT and press the【MENU/OK Key 】to set the end time.

Press the" < "or " > " to select year/month/day,and press the"Λ"or "V " to set the date.

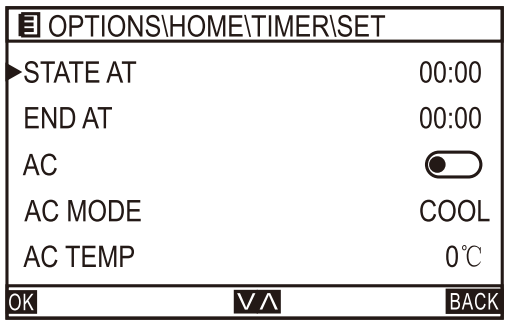
On the HOLIDAY HOME page, select TIMER and press the【MENU/OK Key 】to enter the TIMER page.



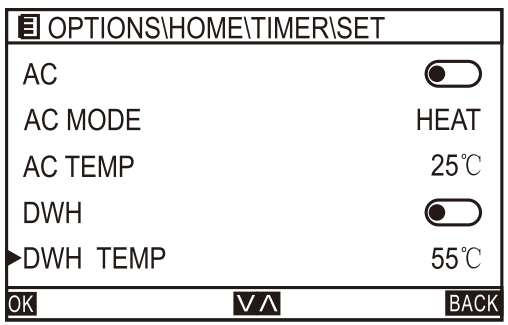
Select TIMER and Press the" < "or " > " to set On/Off.
select TIMER and Press the【MENU/OK Key 】to set.



On the SET page, select START AT and press the 【MENU/OK Key 】to set the start time.
On the SET page, select END AT and press the 【MENU/OK Key 】to set the end time .

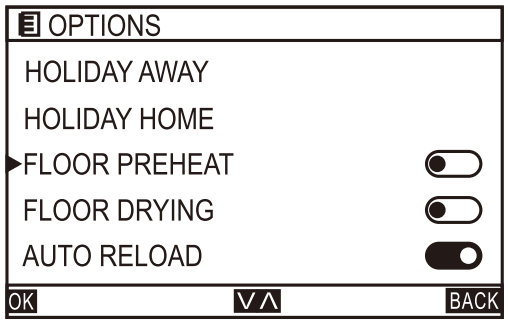


Press the" < "or " > " to select hour/minute,and press the "∧"or "∨" to set the clock.On the SET page, select AC and Press the" < "or " > " to set On/Off.On the SET page, select AC MODE and Press the" < "or " > " to select AC MODE according to the following order：
HEAT→COOL→HEAT
On the SET page, select AC TEMP and Press the" < "or " > " to set water temperature.



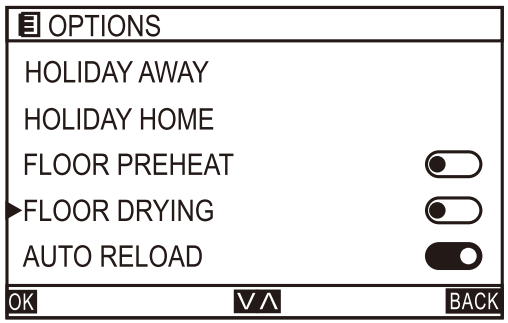
On the SET page, select DHW and Press the" < "or " > " to set On/Off.
On the SET page, select DHW TEMP and Press the" < "or " > " to set water temperature.

5.2.6 FLOOR PREHEAT



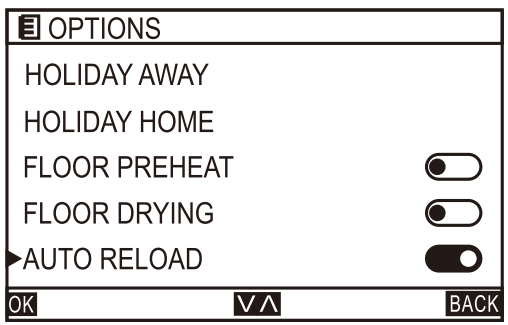
On the OPTIONS page, select FLOOR PREHEAT and press the" < "or " > " to set On/Off.

5.2.7 FLOOR DRYING



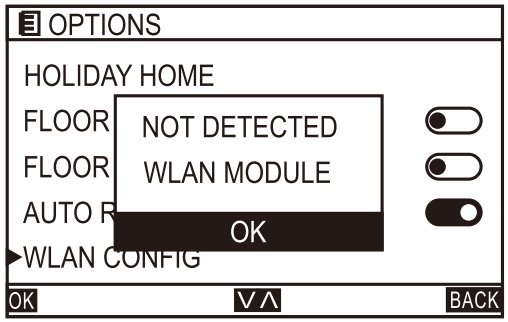
On the OPTIONS page, select FLOOR DRYING and press the" < "or " > " to set On/Off.

5.2.8 AUTO RELOAD

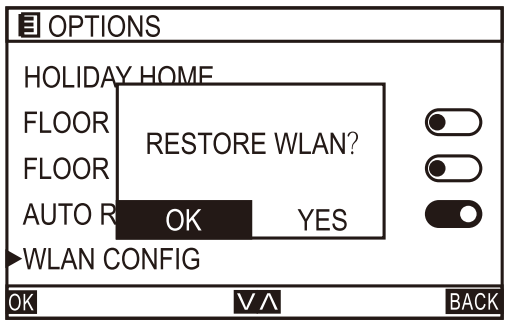


On the OPTIONS page, select AUTO RELOAD and press the" < "or " > " to set On/Off.

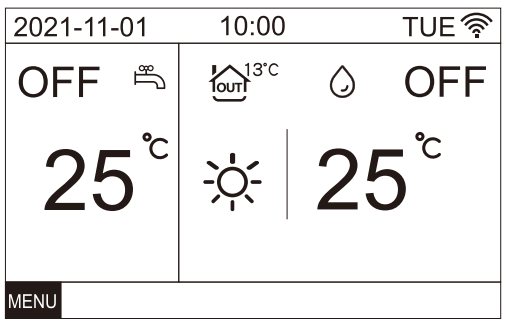
5.2.9 WLAN CONFIG



WLAN equipment is connected normally，On the OPTIONS page, select WLAN CONFIG and press the【MENU/OK Key】to enter WLAN config.



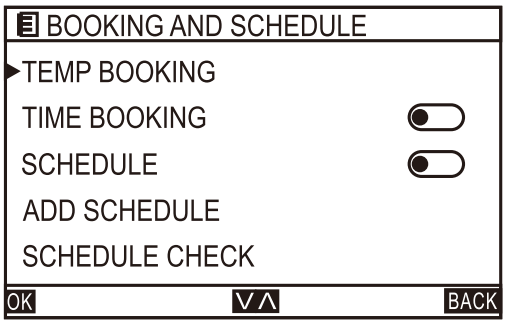
Press the" < "or " > " to select YES/NO. Select "YES"to reset WLAN.



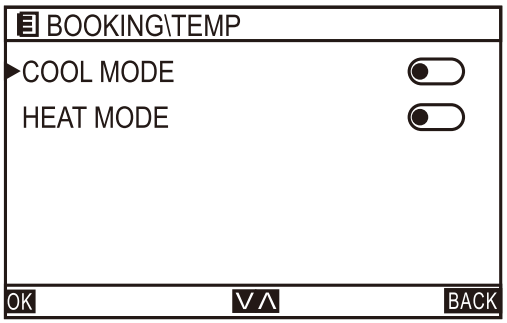
After the connection is successful, the icon" " will be displayed on the main interface.

5.3 BOOKING AND SCHEDULE

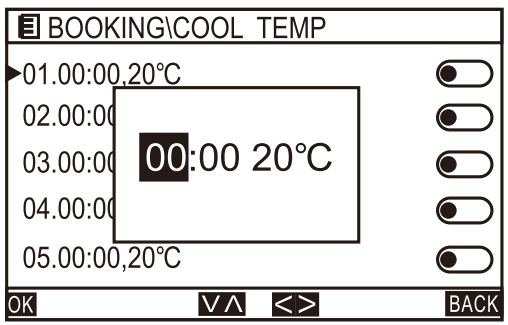
5.3.1 TEMP BOOKING



On the MENU page, select BOOKING AND SCHEDULE and press the【MENU/OK Key】to enter the BOOKING AND SCHEDULE page.Switch to different sub menu by pressing"Λ"or "V".

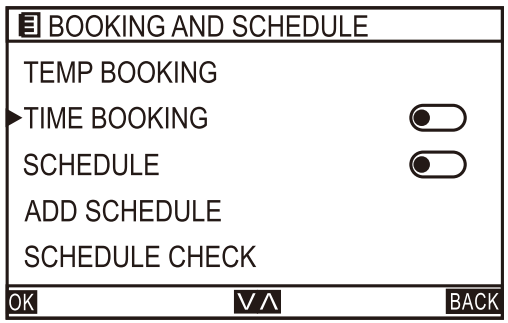


On the BOOKING AND SCHEDULE page, select TEMP BOOKING and press the【MENU/OK Key】to enter the TEMP BOOKING page.Switch to different sub menu by pressing "Λ"or "V".

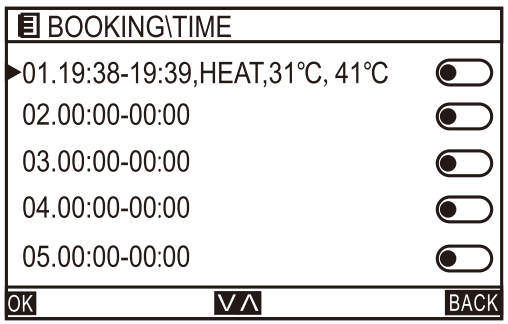


On the TEMP BOOKING page, select COOL MODE/HEAT MODE and press the【MENU/OK Key】to enter the COOL MODE/HEAT MODE page.Press the" < "or " > " to set the temperature and timing time.

5.3.2 TIME BOOKING

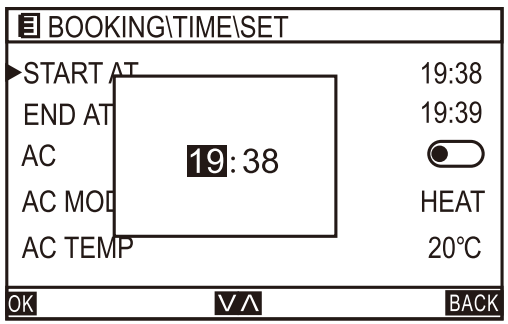


On the BOOKING AND SCHEDULE page, select TIME BOOKING and press the【MENU/OK Key】to enter the TIME BOOKING page.Switch to different sub menu by pressing "Λ"or "V".



On the TIME BOOKING page, select any one and press the【MENU/OK Key】to enter the SET page.Switch to different sub menu by pressing "Λ"or "V".

On the SET page, select START AT and press the【MENU/OK Key】to start the time setting.Press the" < "or " > " to select hour/minute,and press the "Λ" or "V" to set the clock.

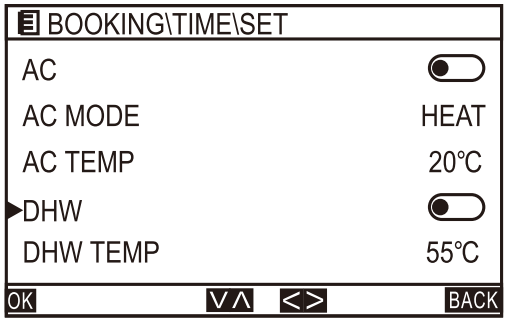


select END AT and press the【MENU/OK Key】to start the time setting.Press the" < "or " > " to select hour/minute,andpress the "Λ"or "V" to set the clock.

Select AC and press the" < "or " > " to set AC On/Off.

Select AC MODE and press the" < "or " > " to set Select HEAT or COOL.

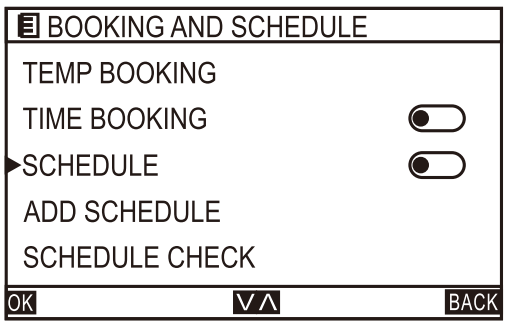
Select AC TEMP and press the" < "or " > " to set different temperature.



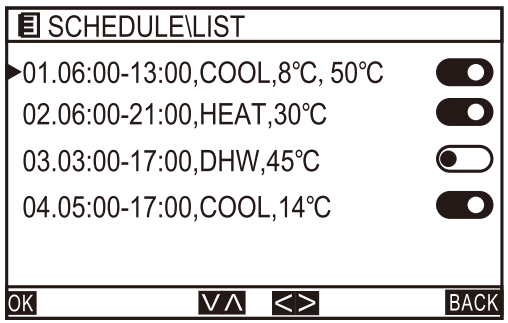
Select DHW and press the" < "or " > " to set DHW On/Off.

Select DHW TEMP and press the" < "or " > " to set different temperature.

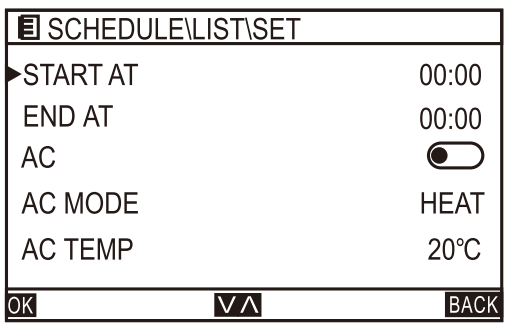
5.3.3 SCHEDULE



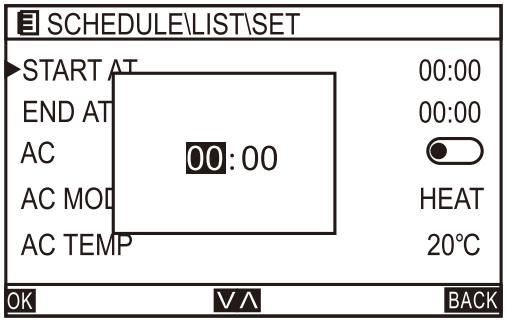
On the BOOKING AND SCHEDULE page, select SCHEDULE and press the【MENU/OK Key】to enter the SCHEDULE page.Switch to different sub menu by pressing "Λ"or "V".



On the SCHEDULE page, select any one and press the【MENU/OK Key】to enter the LIST page. Switch to different sub menu by pressing "Λ"or "V".



On the LIST page, select any one and press the【MENU/OK Key】to enter the SET page.
Switch to different sub menu by pressing "Λ"or "V".



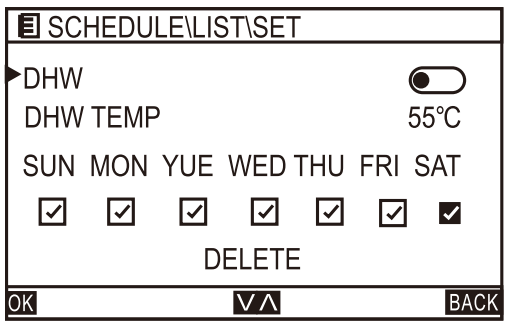
On the SET page, select START AT and press the 【MENU/OK Key】 to start the time setting.Press the" < "or " > " to select hour/minute,andpress the "∧" or "∨" to set the clock.

select END AT and press the【MENU/OK Key】to start the time setting.Press the" < "or " > " to select hour/minute,andpress the "∧"or "∨" to set the clock.

Select AC and press the" < "or " > " to set AC On/Off.

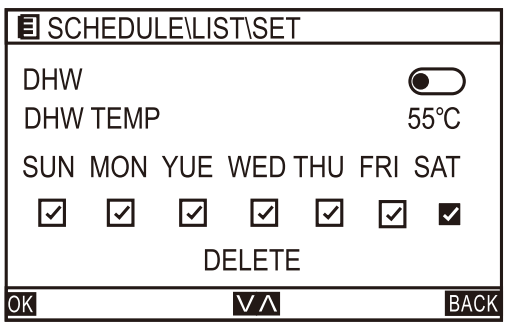
Select AC MODE and press the" < "or " > " to set Select HEAT or COOL.

Select AC TEMP and press the" < "or " > " to set different temperature.

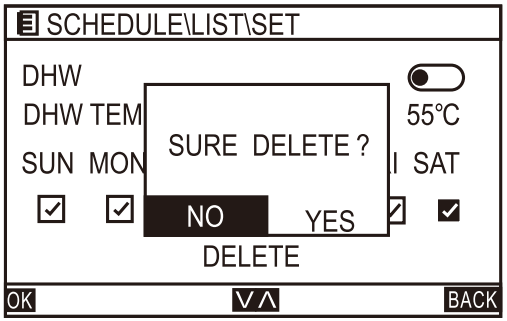


Select DHW and press the" < "or " > " to set DHW On/Off.

Select DHW TEMP and press the" < "or " > " to set different temperature.

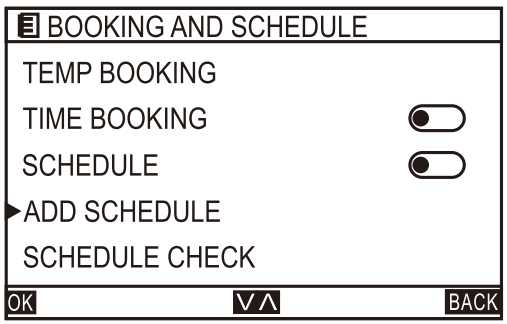


Select WEEK and press the【MENU/OK Key】whether to select.
" ☑ " means valid.

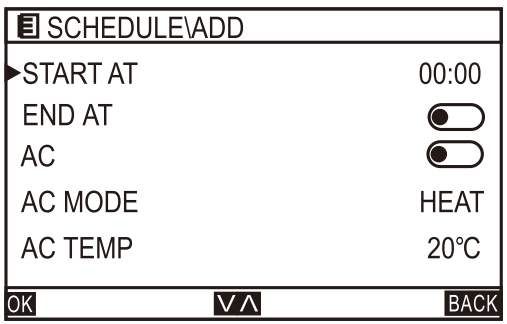


Select DELETE and press the【MENU/OK Key】,the following prompts will appear.Press the" < "or " > " to select YES/NO.

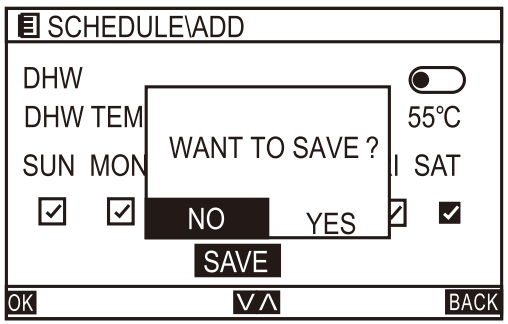
5.3.4 ADD SCHEDULE



On the BOOKING AND SCHEDULE page, select ADD SCHEDULE and press the【MENU/OK Key】to enter the ADD SCHEDULE page.Switch to different sub menu by pressing "∧"or "∨".

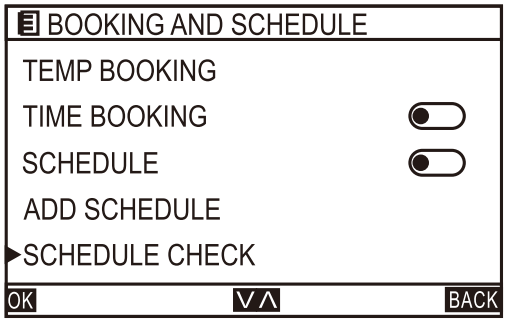


The setting method is the same as the SCHEDULE setting.

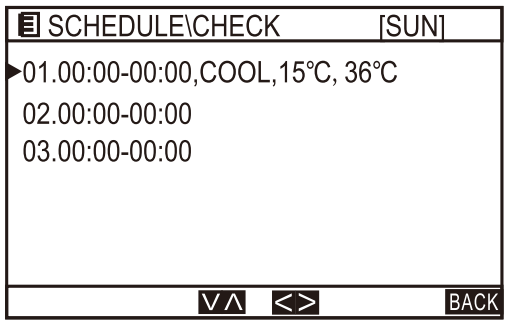


When the settings are complete, select SAVE by pressing the"∧"or "∨", and press the【MENU/OK Key】, the following prompts will appear.Select YES, then the settings are valid, otherwise,it does not take effect.

5.3.5 SCHEDULE CHECK

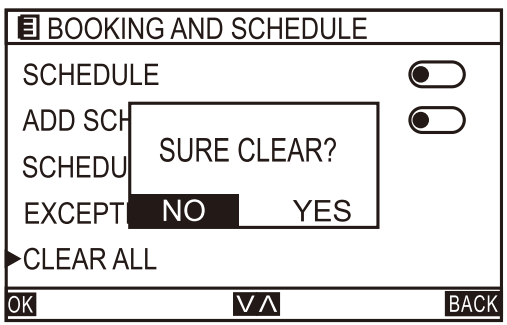


On the BOOKING AND SCHEDULE page, select SCHEDULE CHECK and press the【MENU/OK Key】to enter the SCHEDULE CHECK page.Switch to dierent sub menu by pressing "∧"or "∨".



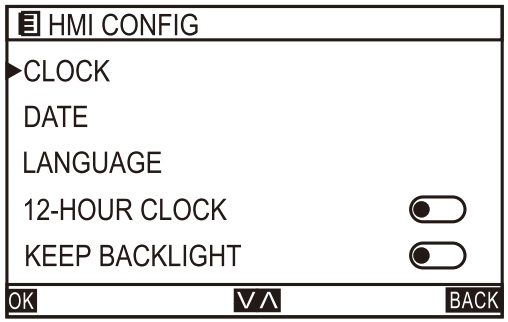
On the SCHEDULE CHECK page, switch weekly schedule by press the " < "or " > ".The weekly schedule is displayed on the title bar,and the page is displayed according to the content of the schedule setting.

5.3.6 CLEAR ALL

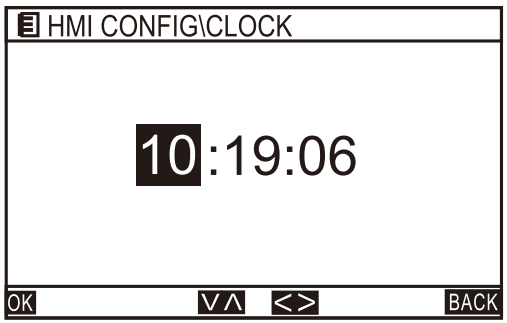


On the BOOKING AND SCHEDULE page, select CLEAR ALL and press the【MENU/OK Key】,the following prompts will appear.Press the"< "or " > " to select YES/NO.

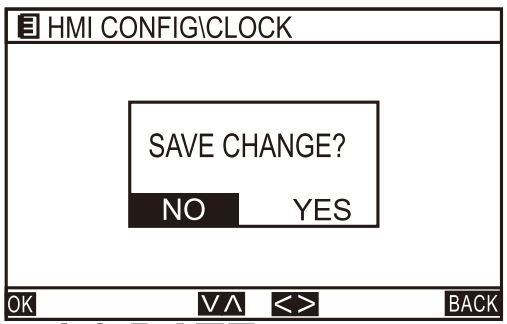
5.4 HMI CONFIG
5.4.1 CLOCK



On the MENU page, select HMI CONFIG and press the【MENU/OK Key】to enter the HMI CONFIG page.Switch to different sub menu by pressing "Λ"or "V".

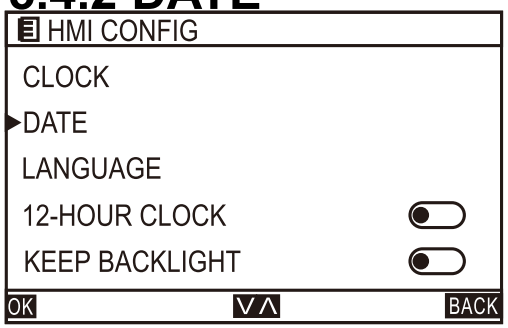


On the HMI CONFIG page, select CLOCK and press the【MENU/OK Key】to set the time.Press the" < "or " > " to select hour/minute/econd, and press the "Λ" or "v"to set the clock.

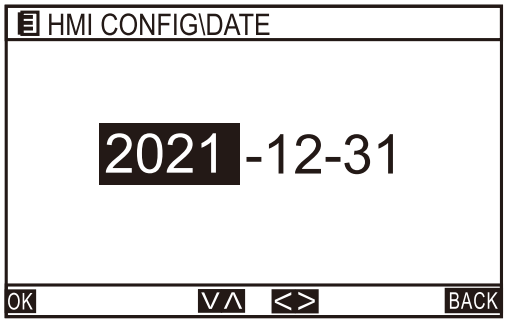


After the clock is changed, press the【MENU/OK Key】,the followingPress the" < "or " > " to select YES/NO. prompts will appear.

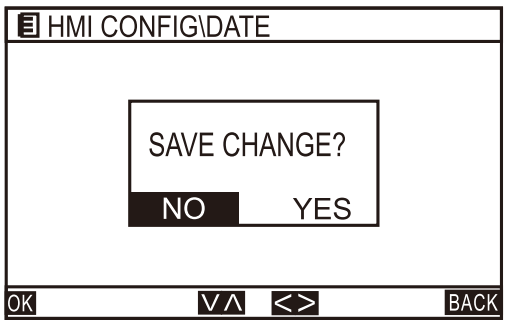
5.4.2 DATE



On the HMI CONFIG page, select DATE and press the【MENU/OK Key】to enter the DATE page. Switch to different sub menu by pressing "Λ"or "V".

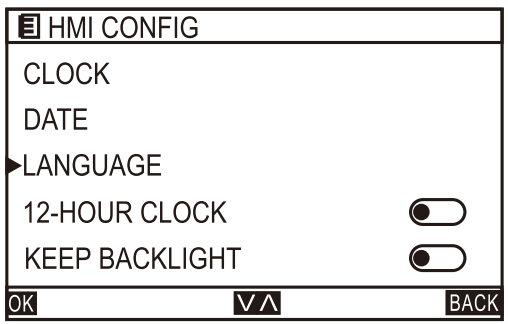


On the DATE page, press the" < "or " > "to select year/month/day, and press "Λ"or "V" to set the date.



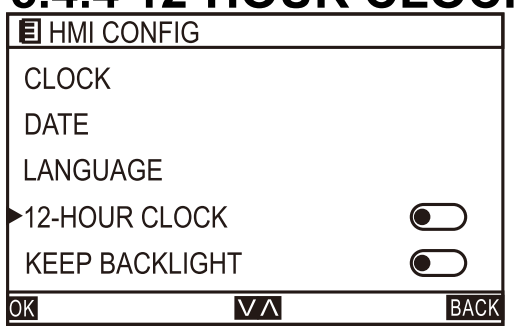
After the date is changed, press the【MENU/OK Key】the following prompts Press the" < "or " > " to select YES/NO.will appear.

5.4.3 LANGUAGE



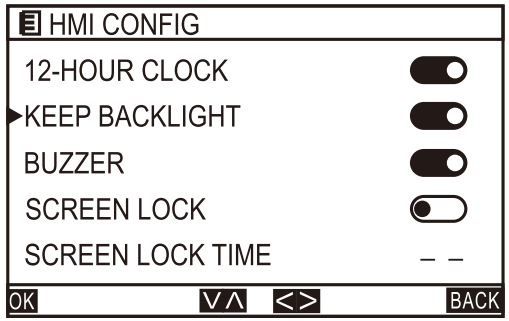
On the HMI CONFIG page, select LANGUAGE and press the【MENU/OK Key】to select different language.

5.4.4 12-HOUR CLOCK



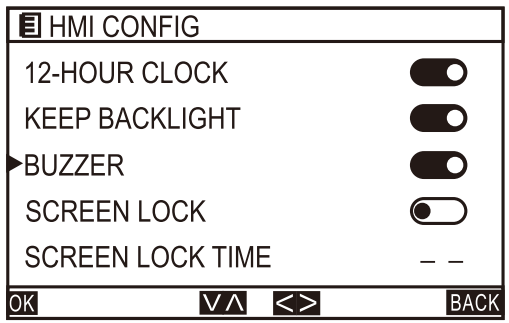
On the HMI CONFIG page, select 12-HOUR CLOCK and press the " < "or " > " to set On/Off.

5.4.5 KEEP LIGHT



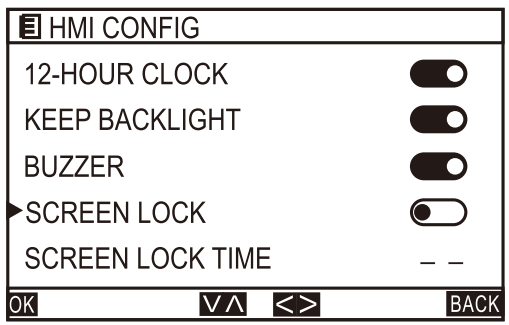
On the HMI CONFIG page, select KEEP LIGHT and press the " < "or " > " to set On/Off.

5.4.6 BUZZER



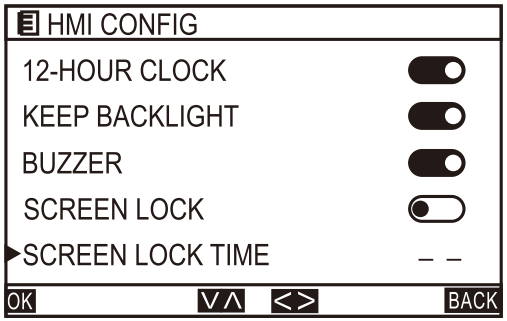
On the HMI CONFIG page, select BUZZER and press the " < "or " > "to set On/Off.

5.4.7 SCREEN LOCK



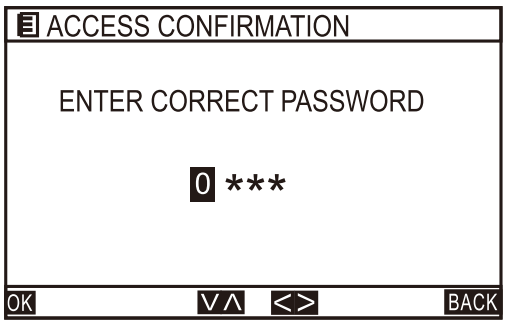
On the HMI CONFIG page, select SCREEN LOCK and press the " < "or " > "to set On/Off.

5.4.8 CHILD LOCK TIME



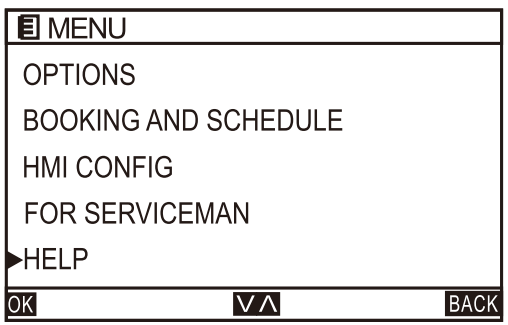
On the HMI CONFIG page, select SCREEN LOCK TIME and press the " < "or " > " to set the time.The time range is 10~120s (default 60s).

5.5 FOR SERVICEMAN



Enter FOR SERVICEMAN page requires the password, and this only for serviceman.

5.6 HELP



On the MENU page, select HELP and press the 【MENU/OK Key】 to enter the HELP page.

Installation schematic

1.Cut off the power of indoor unit.
2.As shown in Fig.1, use a flathead screw driver to pry the bottom groove of the wire controller lightly (too much force would damage circuit board), pry rotationally to open the back cover.

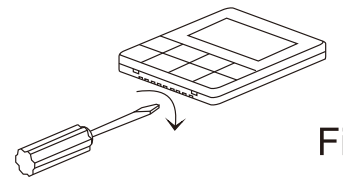


Fig.1

3.As shown in Fig.2, fix φ 4 * 20mm screws provided together with the back cover on box, then pass lead wires through the back cover.

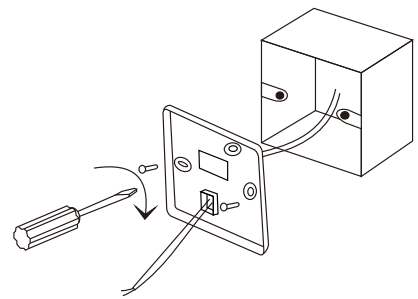
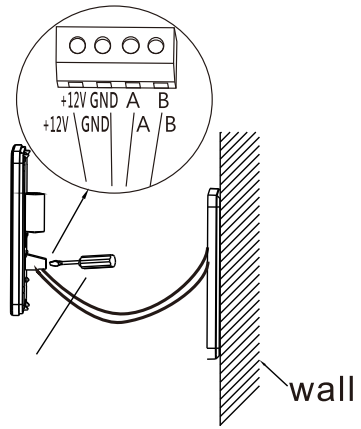


Fig.2

4.Connect the power wiring of the box inside the wall to the connection terminal.(check to prevent short circuit)

For LCAC



For VRF

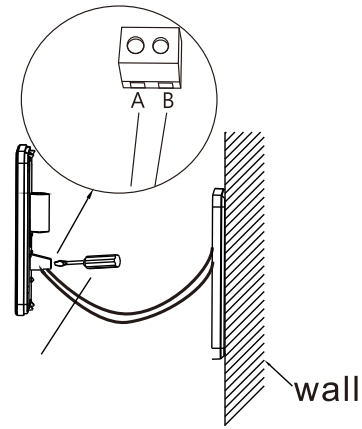


Fig.3

5.After connecting the connecting wire to the main body of the wire controller, as shown in Fig. 4, install main body part according to the following steps:
1).Push the upper part of main body into the clip.
2).Use the force of inclined top to install the lower part of main body (horizontal installation is prohibited,which is easy to damage the structural slot).

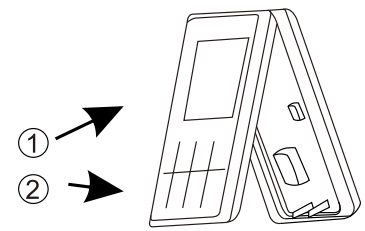


Fig.4

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