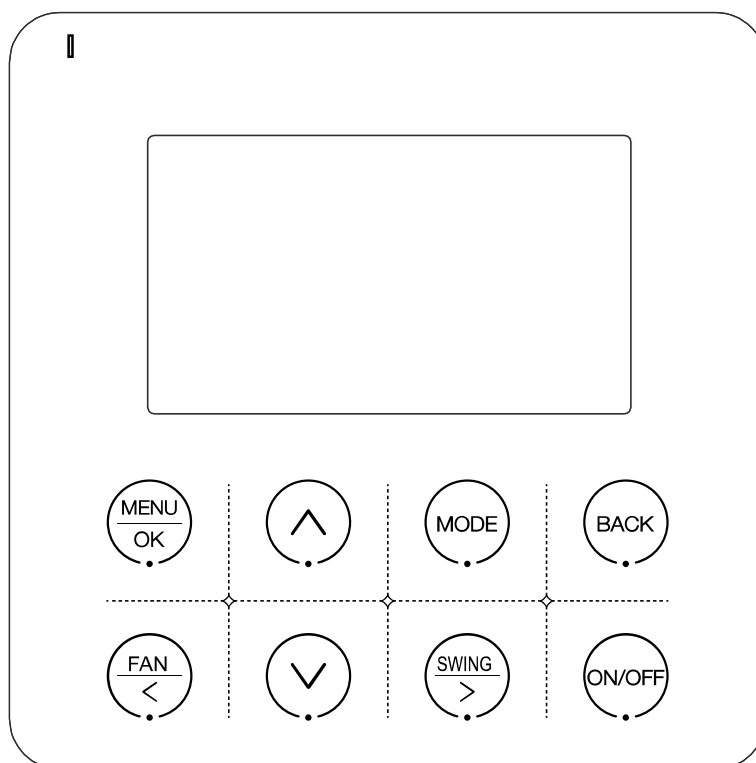


Wired Controller Instructions

- Installation should be done by professional personnel.
- To ensure correct service of the wired controller, read this manual carefully.
- Please keep the manual carefully for reference.



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Instructions -----	7
Wired controller instruction -----	8
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NOTES:

- Read the entire instruction manual before installing the wired controller.
- Images are for illustration purposes only. Actual models may differ slightly.
- Save this manual for future reference.
- This manual provides a detailed description of the precautions that the user should be mindful of during operation. Keep this manual, after reading it, for future reference.
- **This instructions is a general guide; some functions may not be available. Please refer to the actual features of the purchased model.**

Notice for use

NOTE: FCC and IC related content only applies to models with WiFi function.

※ FCC WARNING

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

※ FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on.

Notice for use

The user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

✕ IC STATEMENT

This device complies with Industry Canada licenceexempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

✕ IC STATEMENT

This equipment complies with FCC's and IC's RF radiation exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must be installed and operated to provide a separation distance of at least 7-7/8in.(20cm) from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter. Installers must ensure that 7-7/8in.(20cm) separation distance will be maintained between the device (excluding its handset) and users.

Notice for use

- To ensure correct functionality, please follow these instructions carefully
- Read these instructions thoroughly and follow all warnings or cautions included in the literature and attached to the wired controller. Consult local building codes and National Electrical Code (NEC) for special requirements.
- **INSTALLATION** Only the distributor or authorized professionals should install the unit. Installation by unskilled persons may lead to improper installation, electric shock, or fire. Re-installation must be performed by authorized professionals. Non-compliance may lead to electric shock or fire.

**WARNING**

This symbol indicates the possibility of death or serious injury.

**CAUTION**

This symbol indicates the possibility of injury or damage to properties.

Notice for use



WARNING

- Do not install the wired controller in a location vulnerable to flammable gas leaks. A fire may occur if there is a gas leak around the controller.
- Do not operate with wet hands or allow water to enter the wired controller, otherwise an electric shock may occur.
- 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 (19.7in) at least or more.
- Use the specified cables for wiring. Do not allow any external force to be applied to the connection wire terminals. Use this wiring to ensure there is no mechanical damage.



CAUTION

- The wiring should be a compatible connection cable for the current wired controller. Otherwise, electric leakage or heating may occur and result in a fire.
- Ensure the wire insulation is rated for the temperature it will sustain during operation. Failure to use this wire could result in a fire.
- Before beginning any modification or installation of this kit, ensure the main electrical disconnect is in the OFF position. Ensure power is disconnected to the fan coil unit. On some systems both the fan coil and the outdoor unit may be on the same disconnect. Tag the disconnect switch with a suitable warning label. There may be more than one to disconnect.

Technical indicators

- Power voltage range: DC 12V
- Max communication line length: 1000m (3280ft)
- Mounting hole spacing: 58~62mm (2.3~2.4in)
- Working ambient temperature: 0°C~50°C (32°F~122°F)
- Dimensions(W*H*D): 120*120*20mm (4.7*4.7*0.8in)
- Temperature setting: 16°C~32°C (60°F~90°F)
- Humidity: RH20%~RH90%
- **Wi-Fi:2.4GHz, Frequency band of operation:2400-2483.5MHz.**

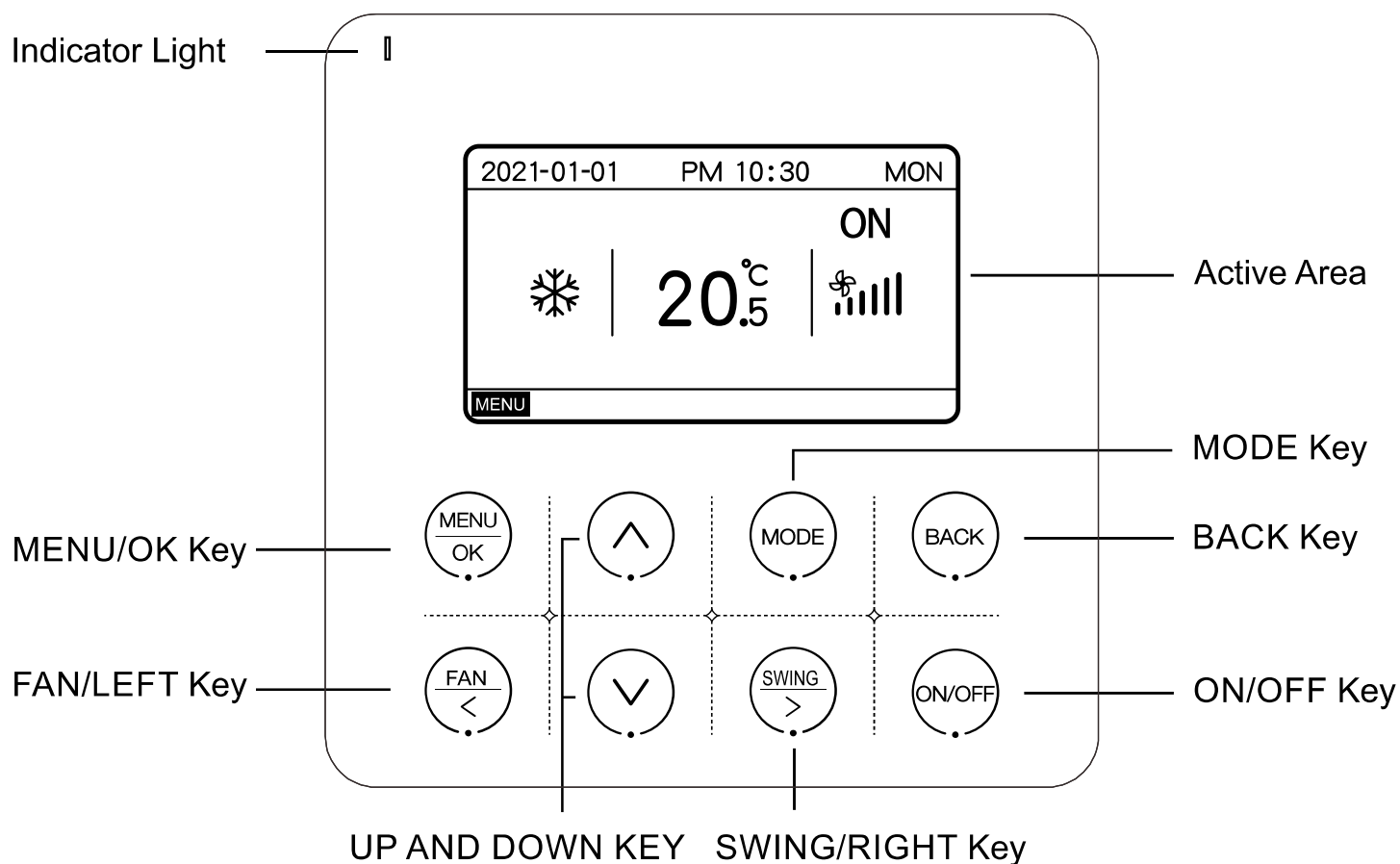
Main functions

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

Icon Explanation

Icon	Name	Icon	Name	Icon	Name
	Cooling		Fan speed		Filter need
	Heating		Vertical swing		Horizontal swing
	Dry		Sleep		Time booking
	Fan		Anti-mildew		WIFI
	Auto		Clean		Screen lock
	ECO		Fault		Electrical heating
	Emergency heating		Power limit		

Instructions



Note: The product adopts touch buttons.

To ensure the validity of operation, please touch the center of each icon.

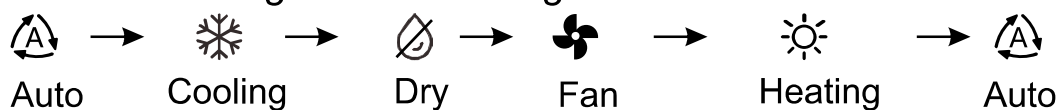
Wired controller instruction

1.Power 【On/Off】

Press the "ON/OFF" , Control the unit on and off.

2.Mode Setting

When the unit is running, press the "MODE" , the running mode will switch according to the following order:



The initial setting temperature for each mode is 24°C/75°F, and there is no temperature setting and automatic wind under FAN mode.

This is only for illustration, please refer to the actually displayed interfaces as final.

3.Temperature Setting

When the unit is running, press "▲" or "▼" to increase or decrease the setting temperature by 0.5°C or 1°C/1F.

4.Swing Setting

When the unit is running, press the "SWING" to enter or cancel **vertical swing**.

At the time of opening **vertical swing**, "⌵" is lighting.

At the time of closed, swing icon will disappear.

Note: Air handler unitary do not have this function.

5.Fan Setting

When the unit is running, press the " " to switch fan speed in the following order:

4-gear of fan speed:

Auto → Low → Medium → High → Super-high → Auto

  →   →   →   →   →  

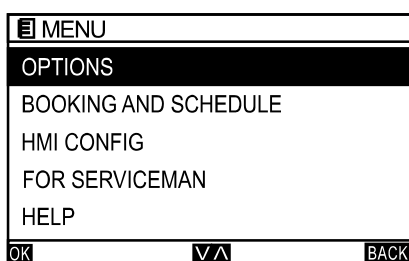
6-gear of fan speed:

Auto → Low → Med-Low → Medium → Med-High → High → Super-high → Auto

  →   →   →   →   →   →   →  

Only Low is available under DRY mode, and there is no Auto setting under FAN mode.

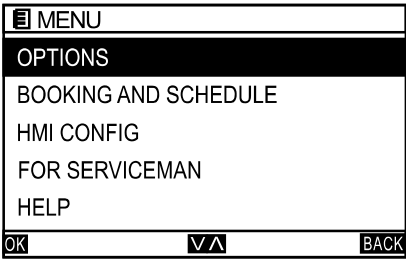
6.Function Setting



On the home screen, press the " " to enter the menu page.

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

6.Function Setting

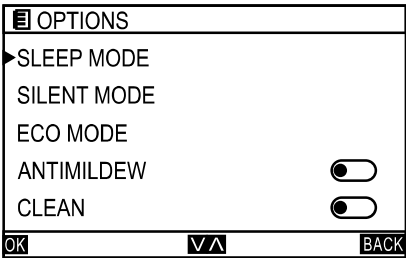


On the home screen, press the "  " to enter the menu page.

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

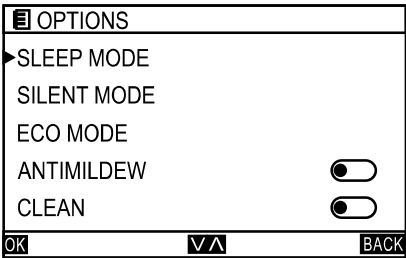
6.1 Options

6.1.1 Sleep mode



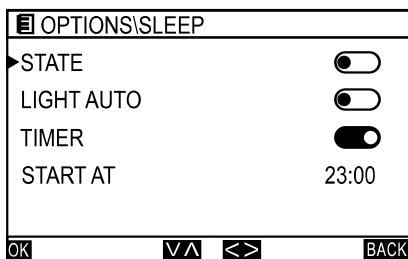
On the MENU screen, select OPTIONS and press the "  " to enter the OPTIONS page.

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



On the OPTIONS screen, select SLEEP MODE and press the "  " to enter the SLEEP MODE page.

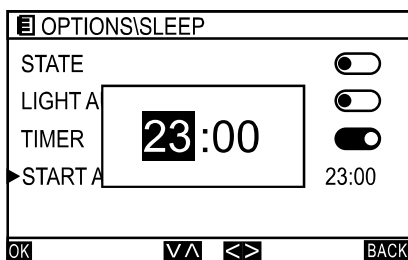
Switch to different sub menu by pressing "  "or"  ".



Select STATE and press the "  "or"  " to set on/off.

Select LIGHT AUTO and press the "  "or"  " to set on/off.

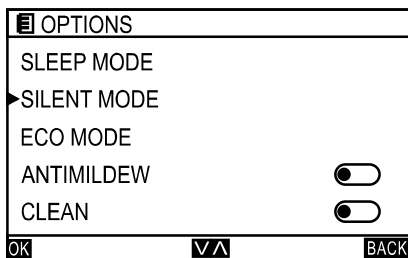
Select TIMER and press the "  "or"  " to set on/off.



Select START AT and press the "  " to start the time setting.

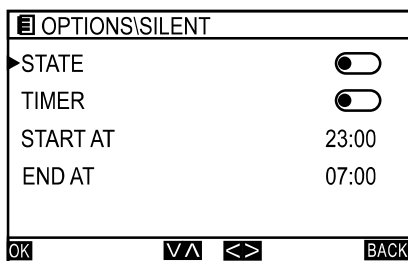
Press the "  "or"  " to select hour/ minute, and press the "  "or"  " to set the clock, press the "  " to be sure set.

6.1.2 SILENT MODE



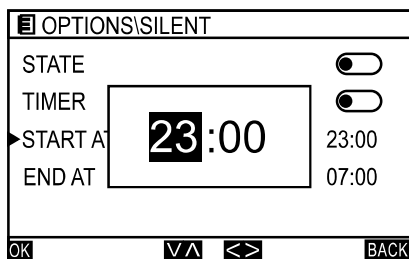
On the OPTIONS screen, select SILENT and press the "  " to enter the SILENTpage.

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



On the SILENT screen, select STATE and press the "  "or"  " to set on/off.

On the SILENT screen, select TIMER and press the "  "or"  " to set on/off.

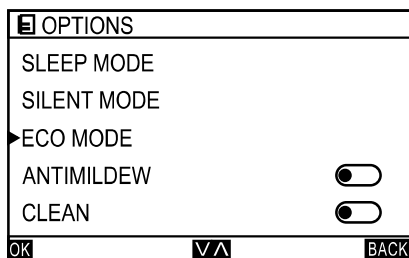


On the SILENT screen, select START AT and press the "MENU OK" to set the start time.

On the SILENT screen, select END AT and press the "MENU OK" to set the end time.

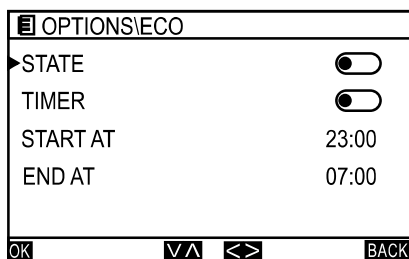
Press the "FAN <" or "SWING >" to select hour/minute, and press the "▲" or "▼" to set the clock.

6.1.3 ECO MODE



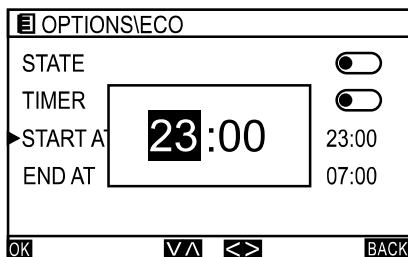
On the OPTIONS screen, select ECO and press the "MENU OK" to enter the ECO page.

Switch to different sub menu by pressing "▲" or "▼".



On the ECO screen, select STATE and press the "FAN <" or "SWING >" to set on/off.

On the ECO screen, select TIMER and press the "FAN <" or "SWING >" to set on/off.

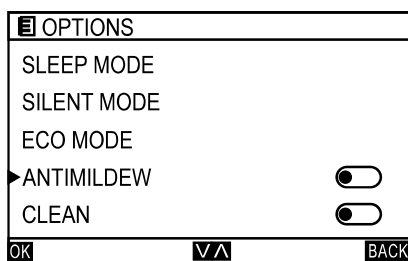


On the ECO screen, select START AT and press the "MENU OK" to set the start time.

On the ECO screen, select END AT and press the "MENU OK" to set the end time.

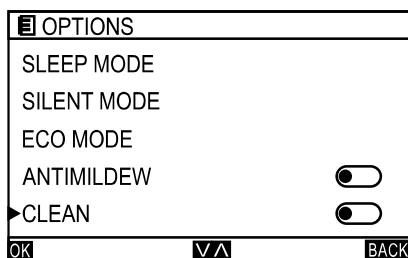
Press the "FAN <" or "SWING >" to select hour/minute, and press the "▲" or "▼" to set the clock.

6.1.4 ANTIMILDEW



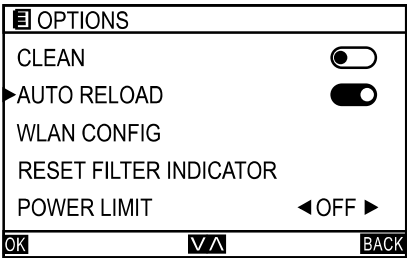
On the OPTIONS screen, select ANTIMILDEW and press the "FAN <" or "SWING >" to set on/off.

6.1.5 CLEAN



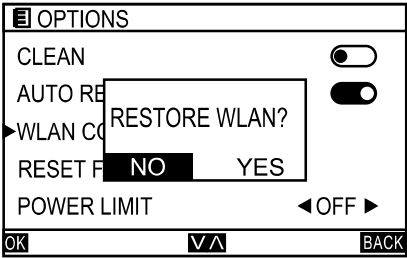
On the OPTIONS screen, select CLEAN and press the "FAN <" or "SWING >" to set on/off.

6.1.6 AUTO RELOAD



On the OPTIONS screen, select AUTO RELOAD and press the "FAN" or "SWING" to set on/off.

6.1.7 WLAN CONFIG



On the OPTIONS screen, select WLAN CONFIG and press the "MENU OK".

Press the "FAN" or "SWING" to select YES/NO.

Note: Before configuring the wireless network, download the APP first.

If the WLAN Module is connected successfully, "📶" will be displayed on the home page.

If the status returned by the WIFI module is unable to connect to the network, it will be displayed "📶!"

If the WIFI module signal cannot be received, the WIFI icon disappears.

APP Download

Mobile terminal scan the following dimensional code to download APP, or search "AC Freedom" in APPSTORE and Google store.

Note: If the current version of your APP is not version 2.0 or higher, please update the APP before proceeding with device network configuration.



For Android



For IOS

Connect mobile terminals to WIFI , open APP "AC Freedom", and then operate following the steps below:

Device List

1

Add device ➡

Clik "Add device"

Add device

Add a new device to the WIFI net work

WIFI NAME : _____

PASSWORD : _____

2

《Config failed check items》

Start the configuration

3

Wi-Fi name will automatically appear, enter password to start configuration (first configuration takes about 1 minute).

Device list

Air-conditioner

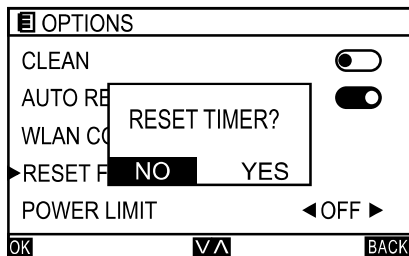
4

Add device ➡

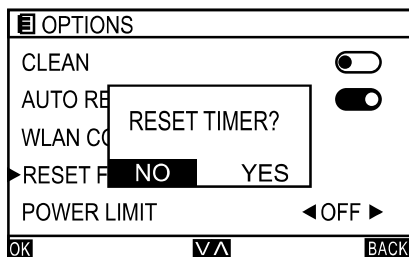
After finishing configuration, on screen bottom wil lindicat "Finish",then it will automatically return to"Devicelist" interface and shows the configured AC.

Note: If "configuration failed" or "the wireless router name or password is changed,"you need to turn on WIFI as described above.
Reset the WIFI communication module for configuration connection:
In the powered-on state, simply repeat steps two and three mentioned above.

6.1.8 RESET FILTER INDICATOR

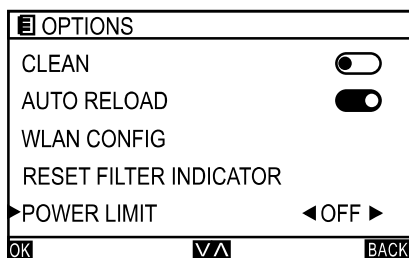


When the "  " is displayed select RESET FILTER INDICATOR on the OPTIONS page and press the "  " to reset indicator.



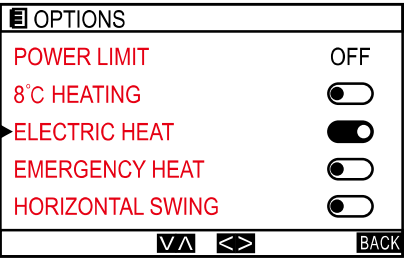
When the "  " is clears, select RESET FILTER INDICATOR on the OPTIONS page press the "  " to reset timer.

6.1.9 POWER LIMIT



On the OPTIONS screen, select POWER LIMIT and press the "  " or "  " to select the different level according to the following order:
OFF→30%→40%→50%→60%→70%→80%→90%
→OFF

6.1.10 ELECTRIC HEAT



On the OPTIONS screen, select ELECTRIC HEAT and press the "" or "" to set on/off.

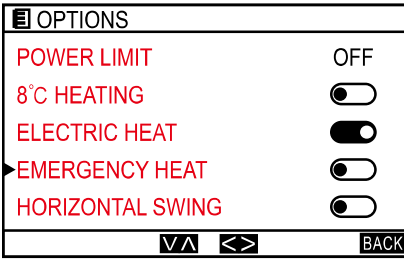
When this feature is enabled, the screen will display ".

When put into operation, it is shown as " on "

When the ELECTRIC HEAT function is turned off, the ELECTRIC HEAT icon disappears.

Note: In order to ensure the safety of ELECTRIC HEAT, the fan will be opened first before the ELECTRIC HEAT is started. After the ELECTRIC HEAT is closed, the fan will be allowed to close after a delay period.

6.1.11 EMERGENCY HEAT



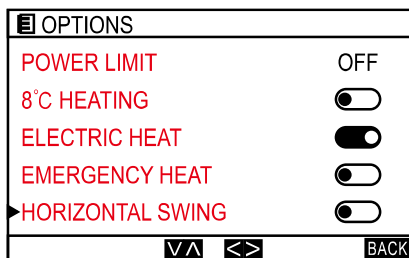
On the OPTIONS screen, select **EMERGENCY HEAT** and press the "" or "" to set on/off.

When the indoor unit enters EMERGENCY HEAT, the line controller home page displays the icon " ".

Exiting this function, the icon disappears.

Note: When entering EMERGENCY HEAT, the heat pump outdoor unit will be closed and the internal electric heating will be used for heating.

6.1.12 HORIZONTAL SWING



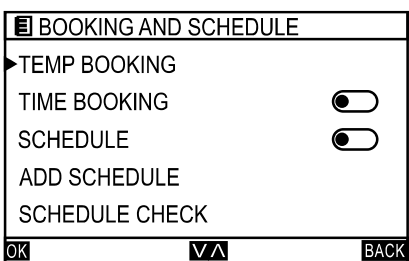
On the OPTIONS screen, select **HORIZONTAL SWING** and press the "FAN" or "SWING" to set on/off.

When the controller receives the open state of **HORIZONTAL SWING**, the home page displays the **HORIZONTAL SWING** icon [].

If the **HORIZONTAL SWING** is not enabled or the command to shut down the **HORIZONTAL SWING** is received, the **HORIZONTAL SWING** icon disappears on the home page.

6.2 BOOKING AND SCHEDULE

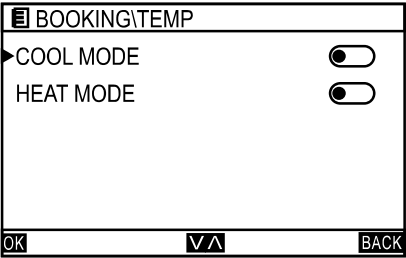
6.2.1 TEMP BOOKING



On the MENU screen, select **BOOKING AND SCHEDULE** and press the "MENU OK" to enter the **BOOKING AND SCHEDULE** screen.

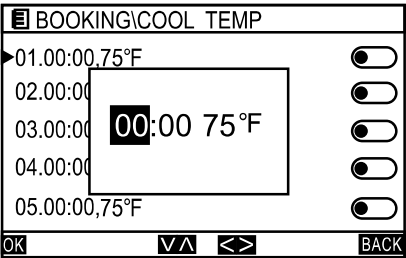
Switch to different sub menu by pressing "▲" or "▼".

6.2.1 TEMP BOOKING



On the BOOKING AND SCHEDULE screen, select TEMP BOOKING and press the "MENU OK" to enter the TEMP BOOKING screen.

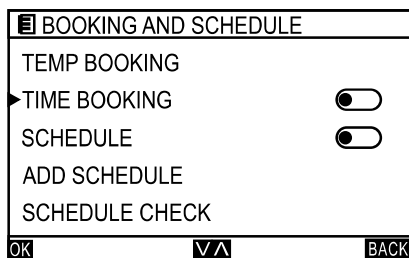
Switch to different sub menu by pressing "▲" or "▼".



On the TEMP BOOKING screen, select COOL MODE/HEAT MODE and press the "MENU OK" to enter the COOL MODE/HEAT MODE screen.

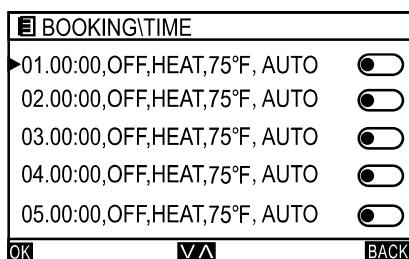
Press the "FAN <" or "SWING >" to select hour/minute/temperature
Press the "▲" or "▼" to set the temperature and timing time.

6.2.2 TIME BOOKING



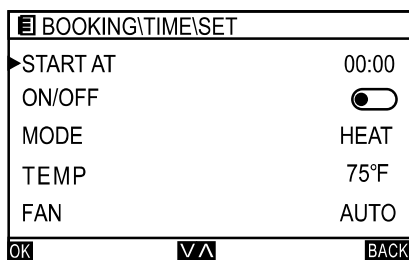
On the BOOKING AND SCHEDULE screen, select TIME BOOKING and press the "MENU OK" button to enter the TIME BOOKING screen.

Switch to different sub menu by pressing "▲" or "▼".



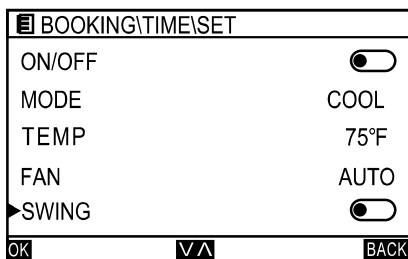
On the TIME BOOKING screen, select any one and press the "MENU OK" button to enter the SET screen.

Switch to different sub menu by pressing "▲" or "▼".



On the SET screen, select START AT and press the "MENU OK" button to start the time setting.

Press the "FAN <" or "SWING >" buttons to select hour/minute. and press the "▲" or "▼" to set the clock.



Select ON/OFF and press the " " or " " to set the IDU on/off.

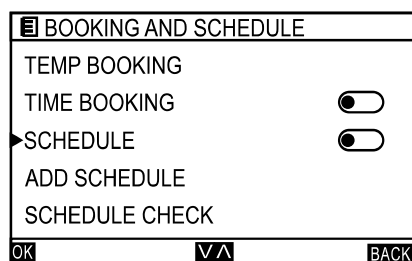
Select MODE and press the " " or " " to select the IDU operation mode.

Select TEMP and press the " " or " " to set the IDU temperature.

Select FAN and press the " " or " " to set the IDU fan speed.

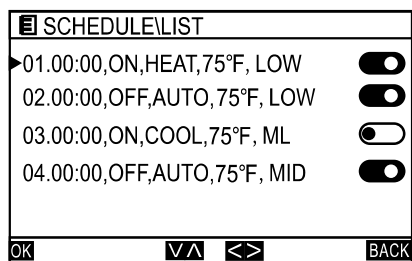
Select SWING and press the " " or " " to set the IDU swing.

6.2.3 SCHEDULE



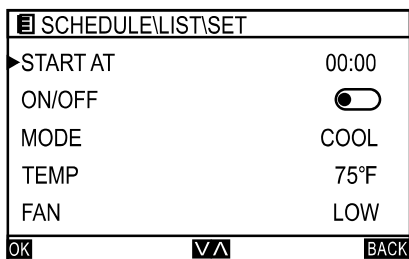
On the BOOKING AND SCHEDULE screen, select SCHEDULE and press the " " to enter the SCHEDULE screen.

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

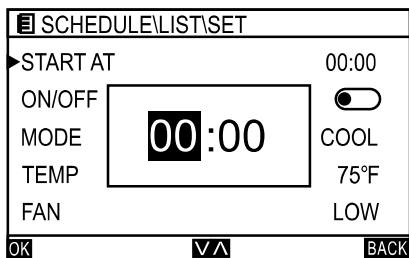


On the SCHEDULE screen, select any one and press the " " to enter the LIST screen.

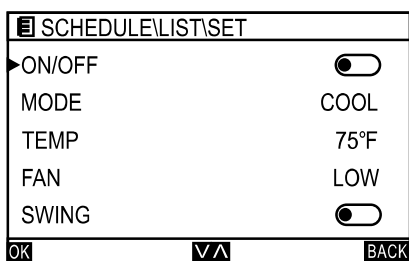
Switch to different sub menu by pressing " " or " ".



On the LIST screen, select any one and press the "MENU/OK" button to enter the SET screen.



On the SET screen, select START AT and press the "MENU/OK" button to start the time setting. Press the "FAN/LEFT" or "SWING/RIGHT" button to select hour/minute, and press the "UP" or "DOWN" button to set the clock.



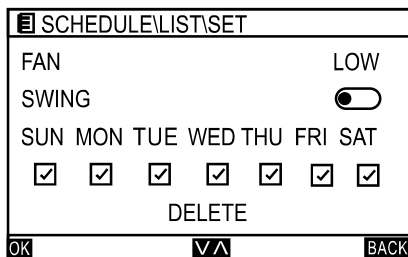
Select ON/OFF and press the "FAN/LEFT" or "SWING/RIGHT" button to set the IDU On/Off.

Select MODE and press the "FAN/LEFT" or "SWING/RIGHT" button to select the IDU operation mode.

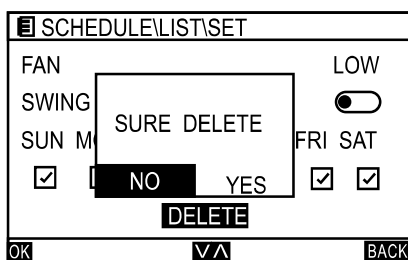
Select TEMP and press the "FAN/LEFT" or "SWING/RIGHT" button to set the IDU temperature.

Select FAN and press the "FAN/LEFT" or "SWING/RIGHT" button to set the IDU fan speed.

Select SWING and press the "FAN/LEFT" or "SWING/RIGHT" button to set the IDU swing on/off.

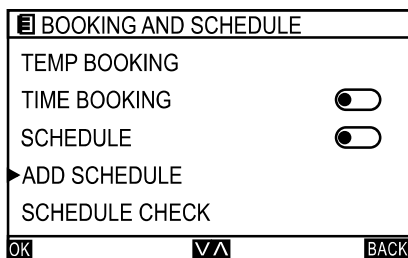


Select weekly and press the "MENU OK" whether to select.
 " ☒ "means selections with check mark are valid.



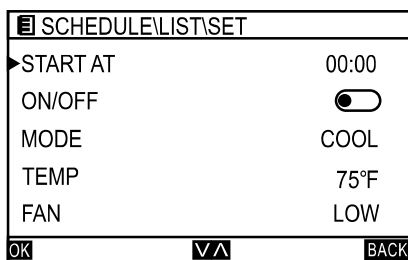
Select DELETE and press the "MENU OK", the following prompts will appear.
 Press the "FAN <" or "SWING >" to select YES/NO.

6.2.4 ADD SCHEDULE

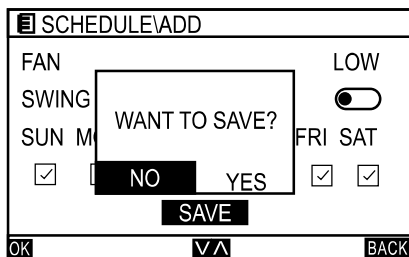


On the BOOKING AND SCHEDULE screen, select ADD SCHEDULE and press the "MENU OK" to enter the ADD SCHEDULE screen.

Switch to different sub menu by pressing " ^ " or " v ".



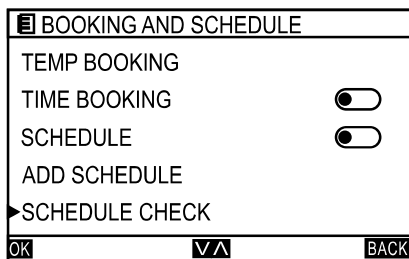
The setting method is the same as the SCHEDULE setting.



When the selections are completed, select **SAVE** by pressing the " $\wedge$ " or " $\vee$ ", and press the " MENU OK", the following prompts will appear.

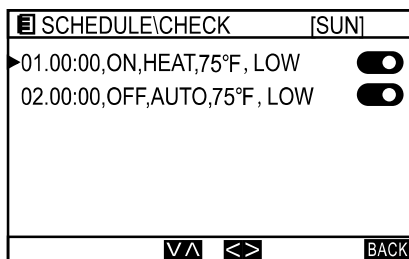
Select **YES**, then the settings are valid, otherwise, it does not take effect.

6.2.5 SCHEDULE CHECK



On the **BOOKING AND SCHEDULE** screen, select **SCHEDULE CHECK** and press the " MENU OK" to enter the **SCHEDULE CHECK** screen.

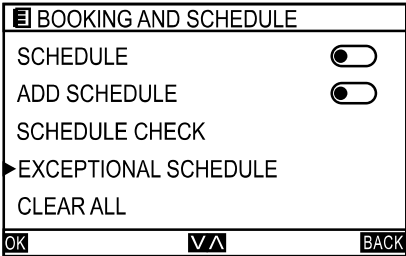
Switch to different sub menu by pressing " $\wedge$ " or " $\vee$ ".



On the **SCHEDULE CHECK** screen, switch weekly schedule by press the " FAN <" or " SWING >".

The weekly schedule is displayed on the title bar, and the page is displayed according to the content of the schedule setting.

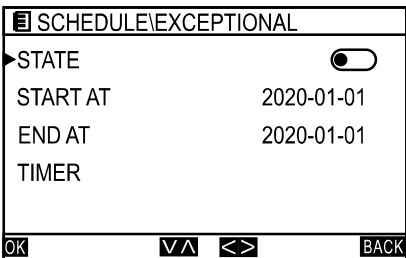
6.2.6 EXCEPTIONAL SCHEDULE



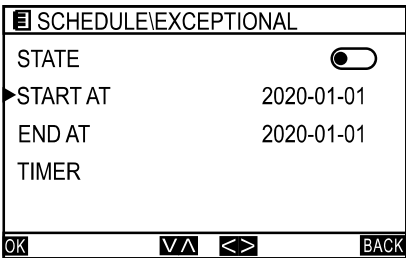
Away Mode: Saves energy by adjusting the temperature when you're not at home.

On the BOOKING AND SCHEDULE screen, select EXCEPTIONAL SCHEDULE and press the "MENU OK" to enter the EXCEPTIONAL SCHEDULE screen.

Switch to different sub menu by pressing "▲" or "▼".



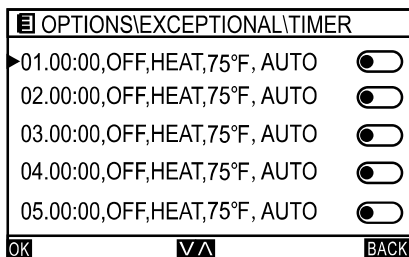
On the EXCEPTIONAL screen, select STATE and press the "FAN" or "SWING" to set On/Off.



On the EXCEPTIONAL screen, select START AT and press the "MENU OK" to set the start time.

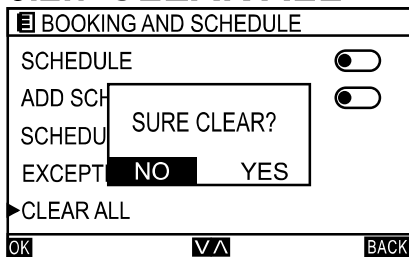
On the EXCEPTIONAL screen, select END AT and press the "MENU OK" to set the end time.

Press the "FAN" or "SWING" to select year/month/day, and press the "▲" or "▼" to set the date.



The setting method is the same as the SCHEDULE setting.

6.2.7 CLEAR ALL

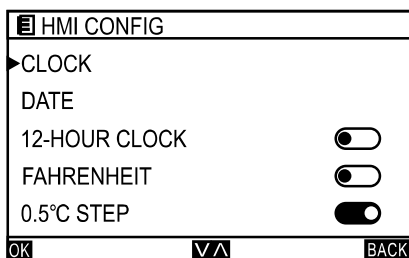


On the BOOKING AND SCHEDULE screen, select CLEAR ALL and press the "MENU OK", the following prompts will appear.

Press the "FAN <" or "SWING >" to select YES/NO.

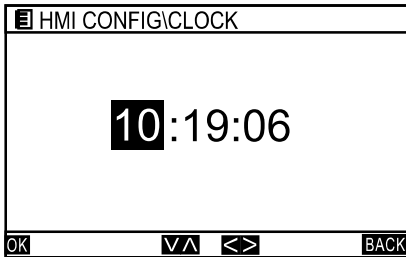
6.3 HMI CONFIG

6.3.1 CLOCK



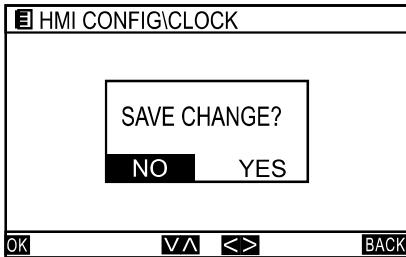
On the MENU screen, select HMI CONFIG and press the "MENU OK" to enter the HMI CONFIG screen.

Switch to different sub menu by pressing "^(up)" or "v(down)".



On the HMI CONFIG page, select CLOCK and press the "MENU OK" to set the time.

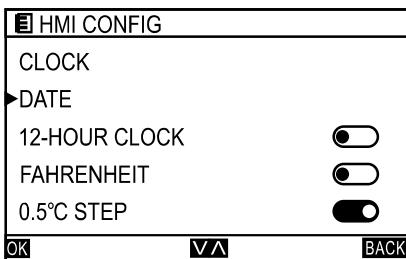
Press the "FAN" or "SWING" to select hour/minute/second, and press the "∧" or "∨" to set the clock.



After the clock is changed, press the "MENU OK", the following prompts will appear.

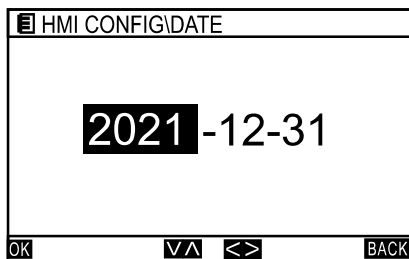
Press the "FAN" or "SWING" to select YES/NO.

6.3.2 DATE

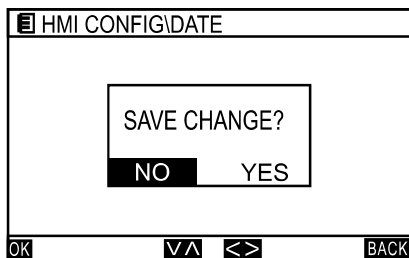


On the HMI CONFIG screen, select DATE and press the "MENU OK" to enter the DATE screen.

Switch to different sub menu by pressing "∧" or "∨".



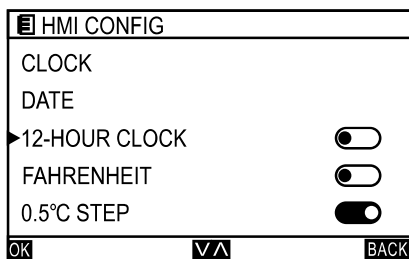
On the DATE screen, press the " "or " " to select year/month/day, and press the " "or " " to set the date.



After the date is changed, press the " ", the following prompts will appear.

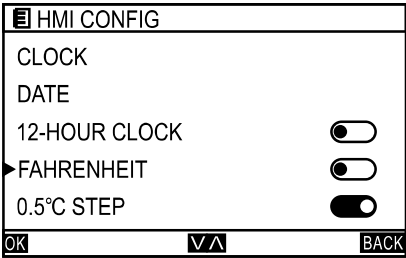
Press the " "or " " to select YES/NO.

6.3.3 12-HOUR CLOCK



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

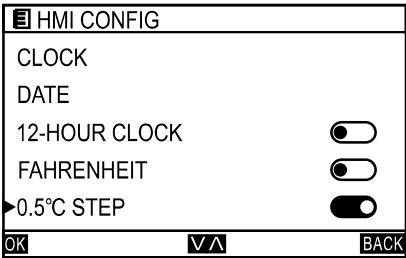
6.3.4 FAHRENHEIT



On the HMI CONFIG screen, select FAHRENHEIT and press the "" or "" to set On/Off.

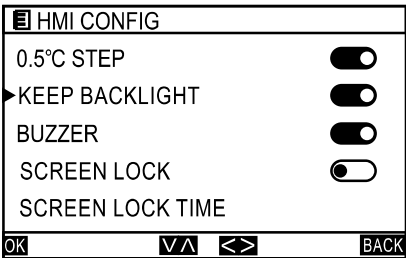
ON:°F
OFF:°C

6.3.5 0.5°C STEP



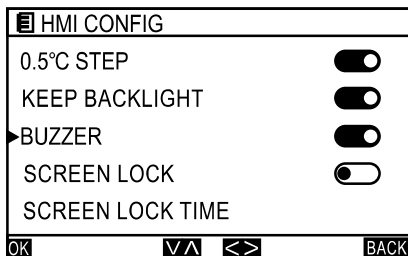
On the HMI CONFIG screen, select 0.5°C STEP and press the "" or "" to set On/Off.

6.3.6 KEEP BACKLIGHT



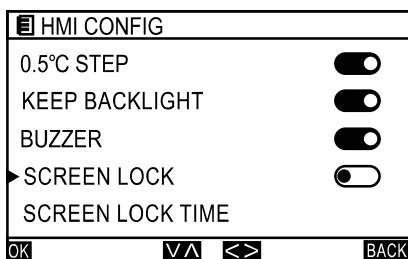
On the HMI CONFIG screen, select KEEP BACKLIGHT and press the "" or "" to set On/Off.

6.3.7 BUZZER



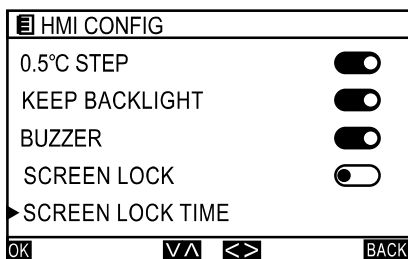
On the HMI CONFIG screen, select BUZZER and press the " " or " " to set on/off.

6.3.8 SCREEN LOCK



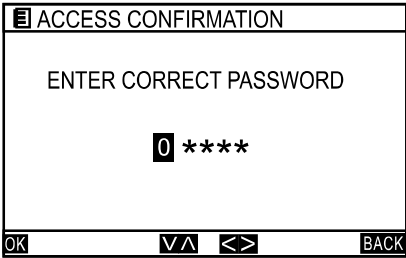
On the HMI CONFIG screen, select SCREEN LOCK and press the " " or " " to set on/off. (Default turned off)

6.3.9 SCREEN LOCK TIME



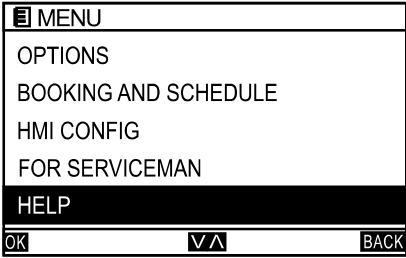
On the HMI CONFIG screen, select SCREEN LOCK TIME and press the " " or " " to set the time. The time range is 10~120s (default 60s).

6.4 FOR SERVICEMAN



Access to serviceman screen requires password.

6.5 HELP



On the MENU screen, select HELP and press the "  " to enter the HELP page.

Installation schematic

1. Cut off power to indoor unit.
2. First, use a flathead screwdriver to gently pry the bottom groove of the wire controller as shown in Fig. 1.
Be careful to avoid damaging the circuit board. Rotate the screwdriver gently to open the back cover.

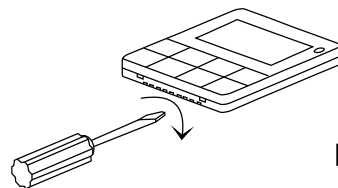


Fig.1

3. As shown in Fig.2, fix M5/32 * 25/32in(M4X20mm) screws provided together with the back cover on box, then pass lead wires through the back cover.

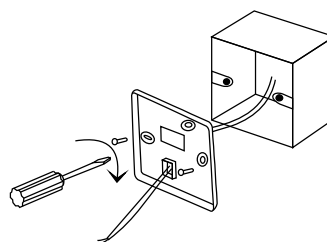


Fig.2

4- Connect the power wiring of the box inside the wall to the connection terminal. Ensure there are no potential short circuits.

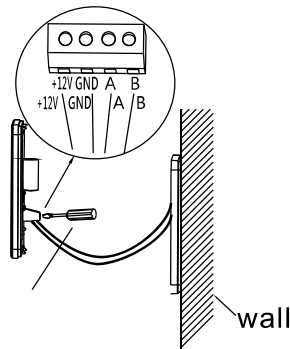


Fig.3

5. Connect the wire: Attach the connecting wire to the main body of the wire controller as shown in Fig. 4.

- 1) .Attach the top part: Push the top part of the main body into the clip.
- 2). Secure the bottom part: Tilt the main body slightly and push the bottom part into place. Avoid pushing it straight-in to prevent damage.

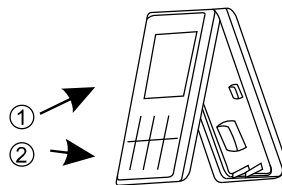
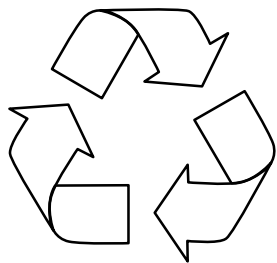
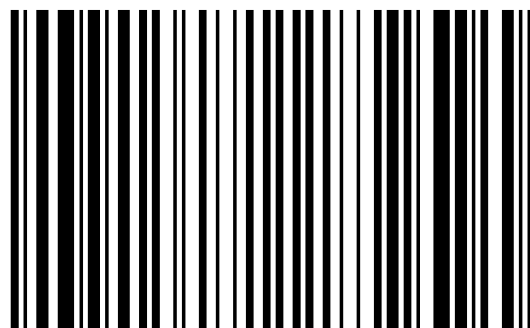


Fig.4



MADE IN CHINA



17401001003557