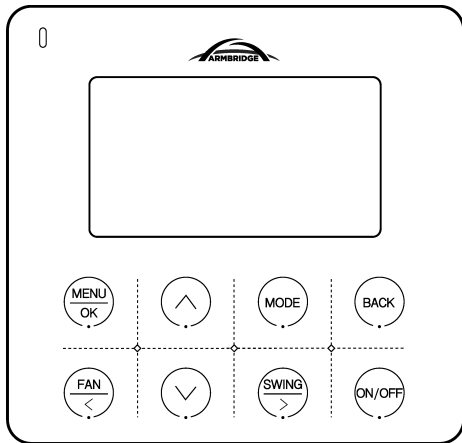


Wired Controller Instructions

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



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Technical indicators	3
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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.

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 19.7in (500mm) 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: 3280ft (1000m)
- Mounting hole spacing: 2.3~2.4in (58~62mm)
- Working ambient temperature: 32°F~122°F (0°C~50°C)
- Dimensions(W*H*D): 4.7*4.7*0.8in (120*120*20mm)
- Temperature setting: 60°F~90°F (16°C~32°C)
- Humidity: RH20%~RH90%

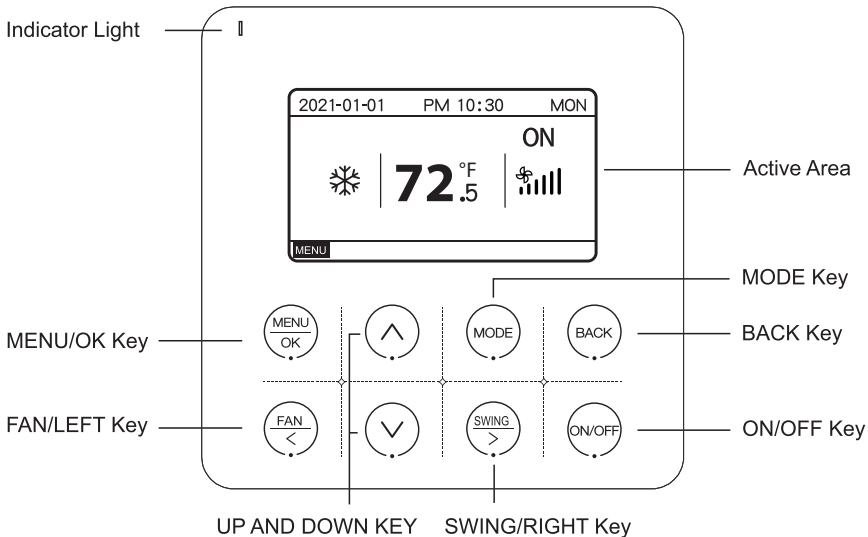
Main functions

- 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		Swing		Power limit
	Dry		Sleep		Time booking
	Fan		Anti-mildew		WIFI
	Auto		Clean		Screen lock
	ECO		Fault		

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 "", Control the unit on and off.

2.Mode Setting



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





The initial setting temperature for each mode is 75°F/24°C, 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°F/0.5°C or 1°F/1°C.

4.Swing Setting

When the unit is running, press the "" to enter or cancel up and down swing. At the time of opening up and down 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:

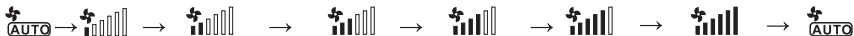
4-gear of fan speed:

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



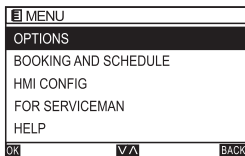
6-gear of fan speed:


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.

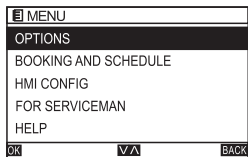
6.Function Setting




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

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

6.Function Setting

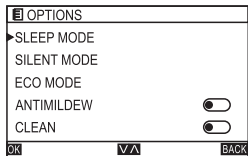


On the home screen, press the "  " to enter the menu page.



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

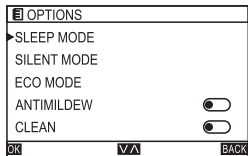
6.1 Options


6.1.1 Sleep mode





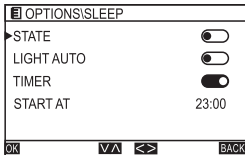
On the MENU screen, select OPTIONS and press the "  " to enter the OPTIONS page.

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



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

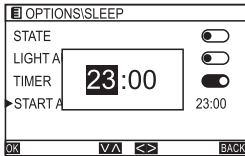
Switch to different sub menu by pressing "  " or "  ".



Select STATE and press the "FAN <" or "SWING >" to set on/off.

Select LIGHT AUTO and press the "FAN <" or "SWING >" to set on/off.

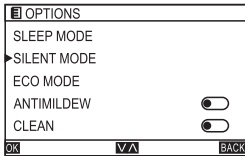
Select TIMER and press the "FAN <" or "SWING >" to set on/off.



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

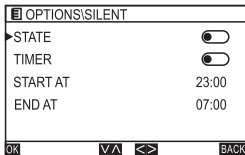
Press the "FAN <" or "SWING >" to select hour/ minute, and press the "▲" or "▼" to set the clock, press the "MENU OK" to be sure set.

6.1.2 SILENT MODE



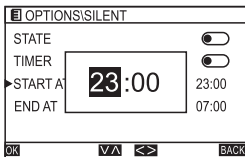
On the OPTIONS screen, select SILENT and press the "MENU OK" to enter the SILENT page.

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



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

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



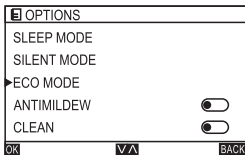
On the SILENT screen, select START AT and press the "MENU OK" to set the start time.

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.

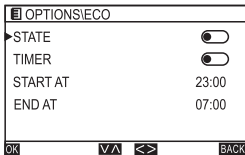
6.1.3 ECO MODE

(Note: Free match unit do not have this function.)



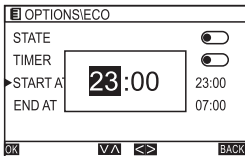
On the OPTIONS screen, select ECO and press the "MENU OK" to enter the ECO page.

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.



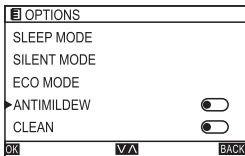
On the ECO screen, select START AT and press the "MENU/OK" to set the start time.

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

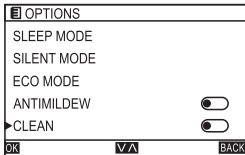
(Note: Free match unit do not have this function.)



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

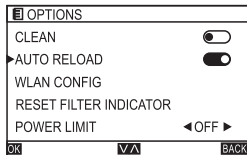
6.1.5 CLEAN

(Note: Free match unit do not have this function.)



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

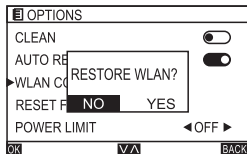
6.1.6 AUTO RELOAD



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

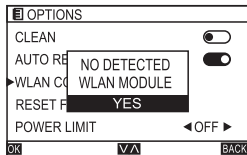
6.1.7 WLAN CONFIG

(Note: Air handler unitary do not have this function.)



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

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

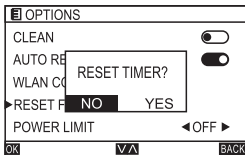




If the IDU is not connected to the WLAN Module, a prompt as shown in the figure will appear.

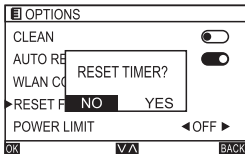
If the WLAN Module is connected successfully, "📶" will be displayed on the home page.



6.1.8 RESET FILTER INDICATOR

(Note:The filter cleaning reminder function is not enabled from factory)



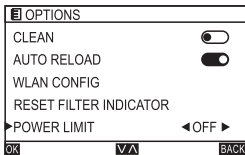
When the "  " is displayed select RESET FILTER INDICATOR on the OPTIONS page and press the "  " to reset indicator.





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

6.1.9 POWER LIMIT

Note: Free match unit do not have this function.

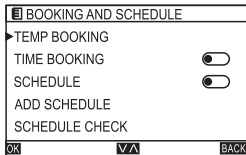


On the OPTIONS screen, select POWER LIMIT and press the "  " or "  " to select the different level according to the following order:

OFF → 30% → 40% → 50% → 60% → 70% → 80% → 90%
→ OFF

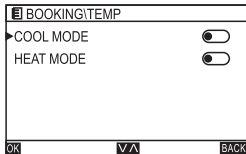
6.2 BOOKING AND SCHEDULE

6.2.1 TEMP BOOKING



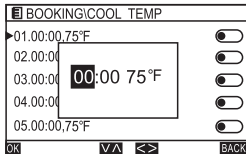
On the MENU screen, select BOOKING AND SCHEDULE and press the "MENU OK" to enter the BOOKING AND SCHEDULE screen.

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



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 "▼".

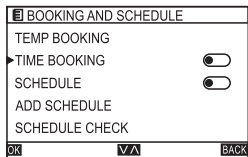


On the TEMP BOOKING screen, select COOL MODE/HEAT MODE and press the "MENU OK" to enter the COOL MODE/HEAT MODE screen.

Press the "FAN <" or "SWING >" to select hour/minute/temperature

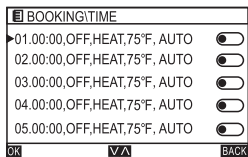
Press the "▲" or "▼" to set the temperature and timing time.

6.2.2 TIME BOOKING



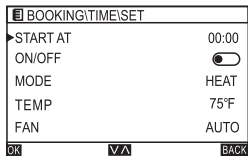
On the BOOKING AND SCHEDULE screen, select TIME BOOKING and press the "MENU OK" to enter the TIME BOOKING screen.

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



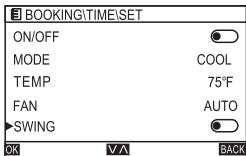
On the TIME BOOKING screen, select any one and press the "MENU OK" to enter the SET screen.



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







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



Press the "FAN <" or "SWING >" to select hour/minute. and press the " \wedge " or " \vee " to set the clock.





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

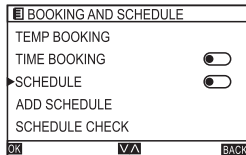
Select MODE and press the "" or "" to select the IDU operation mode.


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



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

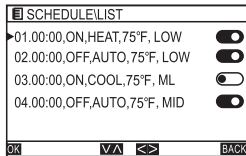
Select SWING and press the "" or "" to set the IDU swing.


6.2.3 SCHEDULE





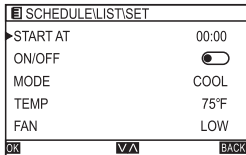
On the BOOKING AND SCHEDULE screen, select SCHEDULE and press the "" to enter the SCHEDULE screen.

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

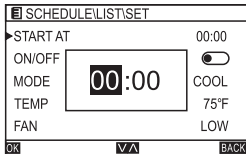


On the SCHEDULE screen, select any one and press the "" to enter the LIST screen.

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

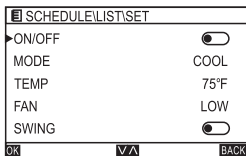


On the LIST screen, select any one and press the "MENU/OK" button to enter the SET screen.



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.



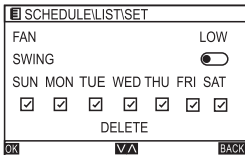
Select ON/OFF and press the "FAN/LEFT" or "SWING/RIGHT" button to set the IDU On/Off.

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

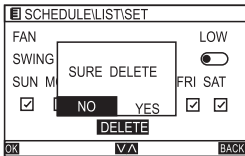
Select TEMP and press the "FAN/LEFT" or "SWING/RIGHT" button to set the IDU temperature.

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.

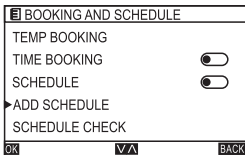


Select weekly and press the "MENU OK" whether to select. " " means selections with check mark are valid.



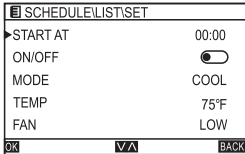
Select DELETE and press the "MENU OK", the following prompts will appear. Press the "FAN <" or "SWING >" to select YES/NO.

6.2.4 ADD SCHEDULE

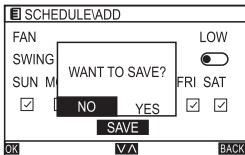


On the BOOKING AND SCHEDULE screen, select ADD SCHEDULE and press the "MENU OK" to enter the ADD SCHEDULE screen.

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



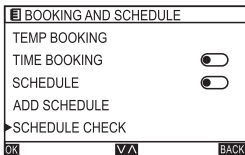
The setting method is the same as the SCHEDULE setting.



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

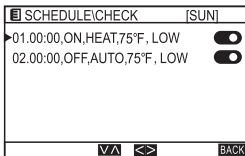
Select **YES**, then the settings are valid, otherwise, it does not take effect.

6.2.5 SCHEDULE CHECK



On the **BOOKING AND SCHEDULE** screen, select **SCHEDULE CHECK** and press the " $\frac{\text{MENU}}{\text{OK}}$ " to enter the **SCHEDULE CHECK** screen.

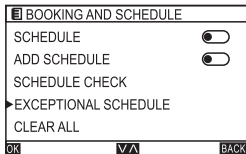
Switch to different sub menu by pressing " \wedge " or " \vee ".



On the **SCHEDULE CHECK** screen, switch weekly schedule by press the " $\frac{\text{FAN}}{\text{<}}$ " or " $\frac{\text{SWING}}{\text{>}}$ ".

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

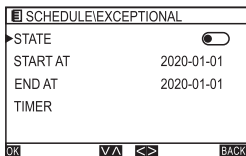
6.2.6 EXCEPTIONAL SCHEDULE



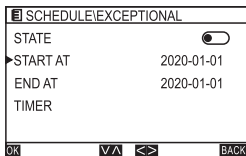
Away Mode: Saves energy by adjusting the temperature when you're not at home.

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 "▼".



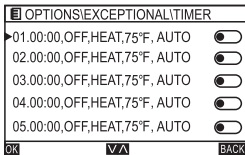
On the **EXCEPTIONAL** screen, select **STATE** and press the "FAN <" or "SWING >" to set On/Off.



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

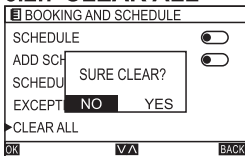
On the **EXCEPTIONAL** screen, select **END AT** and press the "MENU OK" to set the end time.

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

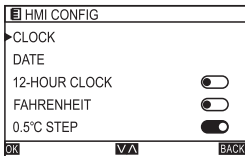


On the BOOKING AND SCHEDULE screen, select CLEAR ALL and press the "MENU/OK", the following prompts will appear.

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

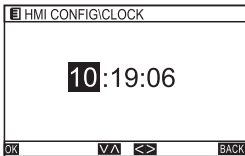
6.3 HMI CONFIG

6.3.1 CLOCK



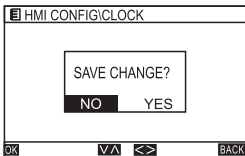
On the MENU screen, select HMI CONFIG and press the "MENU/OK" to enter the HMI CONFIG screen.

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



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

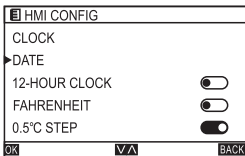
Press the "FAN <" or "SWING >" to select hour/minute/second, and press the "▲" or "▼" to set the clock.



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

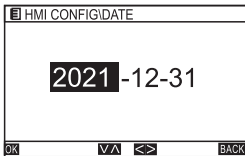
Press the "FAN <" or "SWING >" to select YES/NO.





6.3.2 DATE

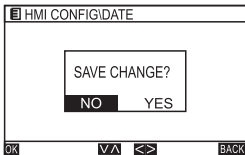



On the HMI CONFIG screen, select DATE and press the "MENU OK" to enter the DATE screen.

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



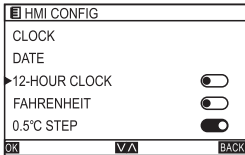
On the DATE screen, press the "" or "" to select year/month/day, and press the "" or "" to set the date.





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

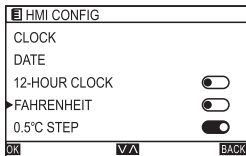
Press the "" or "" to select YES/NO.

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

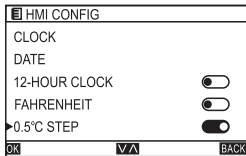


On the HMI CONFIG screen, select FAHRENHEIT and press the "FAN <" or "SWING >" to set On/Off.

ON:°F

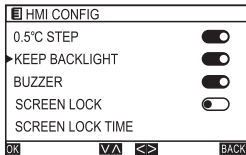
OFF:°C

6.3.5 0.5°C STEP



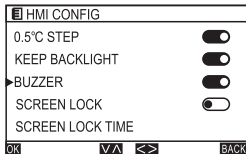
On the HMI CONFIG screen, select 0.5°C STEP and press the "FAN <" or "SWING >" to set On/Off.

6.3.6 KEEP BACKLIGHT



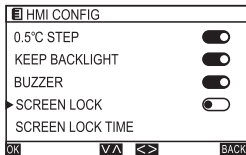
On the HMI CONFIG screen, select KEEP BACKLIGHT and press the "FAN <" or "SWING >" to set On/Off.

6.3.7 BUZZER



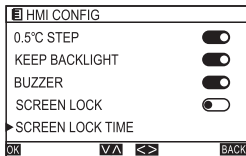
On the HMI CONFIG screen, select BUZZER and press the "FAN" or "SWING" to set on/off.

6.3.8 SCREEN LOCK



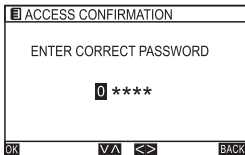
On the HMI CONFIG screen, select SCREEN LOCK and press the "FAN" or "SWING" to set on/off.

6.3.9 SCREEN LOCK TIME



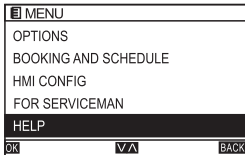
On the HMI CONFIG screen, select SCREEN LOCK TIME and press the "FAN" or "SWING" to set the time. The time range is 10~120s (default 60s).


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.

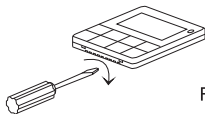


Fig.1

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.

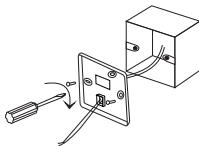


Fig.2

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

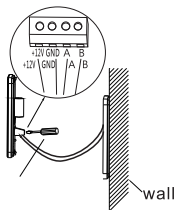


Fig.3

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.

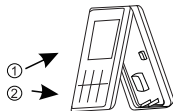
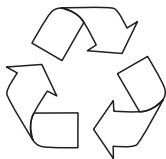


Fig.4



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