# OPERATION    MANUAL

*Wired Remote Controller*

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

- This manual gives detailed description of the precautions that should be brought to your attention during operation.

- In order to ensure correct service of the wired remote controller please read this manual carefully before using the unit.

- For convenience of future reference, keep this manual after reading it.

# Table of Contents

# I. Safety precautions

The following contents are stated on the product and the operation manual, including usage, precautions against personal harm and property loss, and the methods of using the product correctly and safely. After fully understanding the following contents (identifiers and icons), read the text body and observe the following rules.

■ Identifier description

| Identifier | Meaning |
|---|---|
| ⚠ Warning | Means improper handling may lead to personal death or severe injury. |
| ⚠ Caution | Means improper handling may lead to personal injury or property loss. |
| [Note]: 1. "Harm" means injury, burn and electric shock which need long-term treatment but need no hospitalization | |
| 2. "Property loss" means loss of properties and materials. | |

■ Icon description

| Icon | Meaning |
|---|---|
| ⊘ | It indicates forbidding. The forbidden subject-matter is indicated in the icon or by images or characters aside. |
| ❗ | It indicates compulsory implementation. The compulsory subject-matter is indicated in the icon or by images or characters aside. |

■ Warning

| | Delegate installation | Please entrust the distributor or professionals to install the unit. The installers must have the relevant know-how. Improper installation performed by the user without permission may cause fire, electric,shock, personal injury or water leakage. |
|---|---|---|
| ⚠ Warning | | |

| | Forbid | Do not spray flammable aerosol to the wired remote controller directly. Otherwise, fire may occur. |
|---|---|---|
| ⊘ Usage Warning | Forbid | Do not operate with wet hands or let water enter the wired remote controller. Otherwise, electric shock may occur. |

# II.Main paramters and functions

## ● Main parameters

Table 2-1

| Input voltage | DC +5V |
|---|---|
| Ambient temperature | -5~43℃ |
| Ambient humidity | RH40%~RH90% |

## ● Main functions

1) Compatible with V4+ heat recycling

   3-pipe system and V4+ 2-pipe system.

2) Timer function;

3) Power down memory function;

4) Query function;

5) Indoor unit error display function.

# III.Wired remote controller outlook

Operating Mode

Transmitting Icon

Setting Temperature

Operating Icon

MODE Button

Left Button

FAN SPEED Button

Locking Icon

Function Icon

Timer/Clock Display Area

Operating Fan Speed

Swing Icon

ON/OFF Button

Right Button

Quiet /OK Button

SET TEMP

26 °C

00:00

Temp. Setting Button

Timer/Clock Setting Button

⚠ CAUTION

This controller has not economic operating function.

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# IV.Operation instructions

## ● **On and Off the air-conditioner**

Press the On/Off button to control the indoor unit on and off status.

When the unit is turned off, press the ON/OFF button, the unit will be turned on and the operating icon 📧 lights up.

When the unit is turned on, press the ON/OFF button, the unit will be turned off and the operating icon 📧 lights off.

## ● **Set the operating mode**

Press the mode button to set the operating mode, after each button press the opereation mode will circle as follow:
AUTO→COOL→DRY→HEAT→FAN →AUTO

When the controller has been set to cool-only, then there is no HEAT mode.

## ● **Auto operation mode(3-pipe system) :**

1) 3-pipe system auto operation mode can automatically switch to COOL mode or HEAT mode depending on the temperature difference between setting temperature(Ts) and indoor temperature(Tf), and the fan speed is adjustable.

2) The wired remote controller will set the unit to operate on heating mode when Ts-Tf is greater than ΔT, and changeover to cooling mode when Ts-Tf is less than -ΔT. The minimum operating mode switching interval is 15 minutes.

3) Under 3-pipe system auto operation mode, the auto mode icon " (AUTO) " flashes, and the COOL or HEAT icon will be lighted up depending on the actual operation mode.

4) The default ΔT is 2°C, the value can be changed from 1~4°C. Please refer to WIRED REMOTE CONTROLLER INITIAL PARAMETER SETTING of the installation manual for detailed setting methods.

5) The auto operation mode of the controller can not be changed by other control terminals, such as wireless remote controller, central remote controller, etc.



**CAUTION**

1) The wired remote controller can be used in a 2-pipe system, in that case the controller should be setted to 2-pipe system mode. Please refer to the INSTALLATION MANUAL for details.
2) For a 2-pipe system, auto operation mode will set the unit to operate on COOL mode and the fan speed is setted to auto and is not adjustable.

## ● **Fan speed setting**

Under COOL, HEAT and FAN modes, press the fan speed button can adjust the fan speed setting.

After each fan speed button press will circle as follow:
AUTO→LOW→MID→HIGH→AUTO.
Under AUTO and DRY modes the fan speed is not adjustable and the default fan speed is auto.

## ● **Temperature setting**

Under AUTO, COOL, DRY, HEAT modes, press the temperature setting buttons $\boxed{\blacktriangle}$ and $\boxed{\blacktriangledown}$ to set the temperature, the adjusting range is 17°C～30°C (or 62°F～88°F).

The setting temperature cannot be adjusted under FAN mode.

## ● **Timer on and Timer off setting**

Press the timer/clock setting button, then enter into the timer on setting status, and the screen will display $\bigcirc$ and $0.0h$.

Press $\boxed{\blacktriangle}$ and $\boxed{\blacktriangledown}$ buttons to adjust the timer. when the timer setting is less than 10 hours, each press $\boxed{\blacktriangle}$ or $\boxed{\blacktriangledown}$ will increase or decrease 0.5 hour. When the timer setting is more than 10 hours, each press $\boxed{\blacktriangle}$ or $\boxed{\blacktriangledown}$ will increase or decrease 1 hour, the maximun timer setting is 24 hours.

After finish adjusting the timer on setting, press the $\boxed{\text{◀}/\text{OK}}$ button or wait for 5 seconds to confirm and exit the timer on setting.

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Under the timer on setting status, press the timer/clock setting button, then enter into the timer off setting status, and the screen will display $\mathbb{C}_\mathbb{O}$ and $\mathit{0.0h}$.

The setting method of timer off is the same as the timer on.

Under timer setting state, set the timer on and timer off to be 0.0h can cancel timer on and timer off.

⚠️ **CAUTION**

If the wired remote controller has been set timer on/ off, press the ON/OFF to turn on/ turn off the unit then the timer will be canceled simultaneously.

● **Clock setting**

Long press the timer/clock setting button for 2 seconds, then enter into the clock setting status.

The hour position of the clock will flash, and can press ▲☷ and ▼☷ to adjust the hour value.

After finishing the hour setting, press left button ◄ or right button ► to switch to minute position setting, then the minute position will flash, press ▲☷ and ▼☷ to adjust the minute value.

After finish the clock setting, press the 🔊/OK button or wait for 5 seconds to confirm and exit the setting state.

● **Quiet operation**

Under COOL, HEAT, FAN modes, press the 🔊/OK button to set into the quiet operation, it is used to reduce the running noise through setting the fan speed to low.

Under AUTO, DRY mode, the fan speed is auto and the 🔊/OK button doesn't work.

### ● **Lock the wired remote controller**

Press the temperature adjusting buttons ▲🌡 and ▼🌡 simultaneously, the wired remote controller enters into locking state, and the lock 🔒 icon will be lighted up.

Under the locking state, the wired remote controller will not respond to the buttons pressing and the control instruction from the wireless remote controller.

Simultaneously press the temperature adjusting buttons and

again can cancel the locking state.

### ● **Air filter cleanning reminding function**

The wired remote controller records the total running time of the indoor unit, when the accumulated running time reaches the pre-setted value, the air filter cleaning reminding icon will be lighted up, to remind that

Long press ◀🔲🧹 for 2 seconds, and reset the reminding icon and the wired remote controller will re-accumulate the total running time of the indoor unit.

> ⚠ **CAUTION**
>
> The default setting value of the reminding function is 2500 hours, and it can change to be 1250 hours, 5000 hours or 10000 hours. The setting methods please refer to the installation manual.

### ● **Swing Function**

Press the swing button 🔲▶ to activate the swing function when the fan of indoor unit is turned on, and the swing icon 🔲 will be lighted up. Press this button again can deactivate the swing function, and the swing icon 🔲 lights off. This function is effective when it is used with the relative indoor unit.

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● **Query function:**

Long press the FAN SPEED button and
Quiet /OK button to display the
temperature from temperature sensor.
Use $\boxed{\blacktriangle \text{\footnotesize °F}}$ and $\boxed{\blacktriangledown \text{\footnotesize °F}}$ button to switch
display of room temperature(tf) , middle
evaporator temperature t2 and
evaporator-outlet temperature t2b.
Press $\boxed{\text{◀}\!\!:/\text{OK}}$ button or wait 5s will exit
the query function and back to normal
display.

# V.TECHNIQUE CERTIFICATION AND REQUIREMENT

● **EMC should conform to the CE certification.**

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