

# CLIMATE 5000 VRF

Wired Remote Controller

WRC-HR



**BOSCH**

User manual

6720863625 (2016/04) BD-en

Thank you very much for purchasing our Air Conditioning System  
Before using your Air Conditioning, 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.

## Contents

1.	<b>SAFETY PRECAUTIONS .....</b>	<b>3</b>
2.	<b>MAIN PARAMETERS AND FUNCTIONS .....</b>	<b>3</b>
3.	<b>WIRED REMOTE CONTROLLER OUTLOOK .....</b>	<b>4</b>
4.	<b>OPERATION INSTRUCTIONS .....</b>	<b>5</b>

## 1. SAFETY PRECAUTIONS

The following contents are stated on the product and the operation manual, including usage, precautions against personal harm and property damage, 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 incorrect use may result in injury.
 Caution	Means incorrect can cause damage.
[Note]:	

### ■ Icon description

Icon	Meaning
	incorrect demand.
	It indicates compulsory implementation. The compulsory subject-matter is indicated in the icon or by images or characters aside.

 Warning	Delegate installation	ensure only qualified personal install and maintain the equipment.
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## 2. MAIN PARAMETERS AND FUNCTIONS

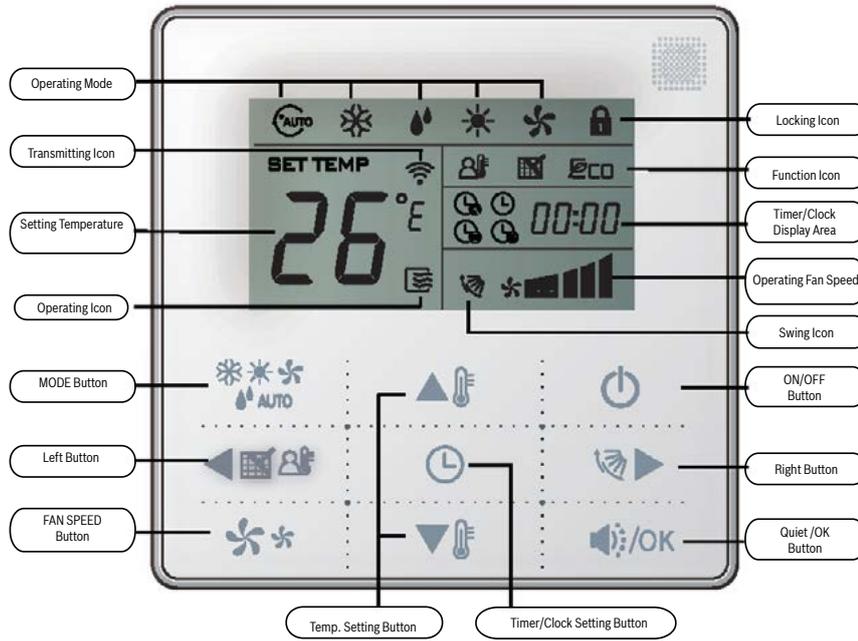
### • Main parameters

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

### • Main functions

- 1 Compatible with SDCl (2-pipe system) and RDCl (3-pipe system).
- 2 Timer function;
- 3 Power down memory function;
- 4 Query function;
- 5 Indoor unit error display function.

### 3. WIRED REMOTE CONTROLLER OUTLOOK



**CAUTION**

This controller has not economic operating function.

## 4. 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 operation 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 “” 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 set to 2-pipe system mode. Please refer to the INSTALLATION MANUAL for details.
- 2) For 2 pipe system, there is no auto mode. You can only select heat or cool operation mode.

### ■ Fan speed setting

Under COOL, HEAT and FAN modes, the fan speed can be adjusted by pressing the fan speed button.

Continuously press the fan speed button to scroll through the different speeds.

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  and  to set the temperature, the adjusting range is 17°C ~ 30°C (or 62°F ~ 88°F).

In fan mode the set temperature is disabled.

### ■ 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  and h.

Press  and  buttons to adjust the timer. when the timer setting is less than 10 hours, each press  or  will increase or decrease 0.5 hour. When the timer setting is more than 10 hours, each press  or  will increase or decrease 1 hour, the maximum timer setting is 24 hours.

After finish adjusting the timer on setting, press the  button or wait for 5 seconds to confirm and exit the timer on setting.

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  and h.

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  button or wait for 5 seconds to confirm and exit the setting state.

### ■ Quiet operation

Under COOL, HEAT, FAN modes, press the  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  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 locking 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 cleaning reminding function

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

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.

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### ■ 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.

### ■ Query function:

Hold the FAN SPEED button and Quiet /OK button to display the temperature from temperature sensor. Use  and  button to switch display of room temperature(tf) , middle evaporator temperature t2 and evaporator-outlet temperature t2b. Press  button or wait 5s will exit the query function and back to normal display.



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