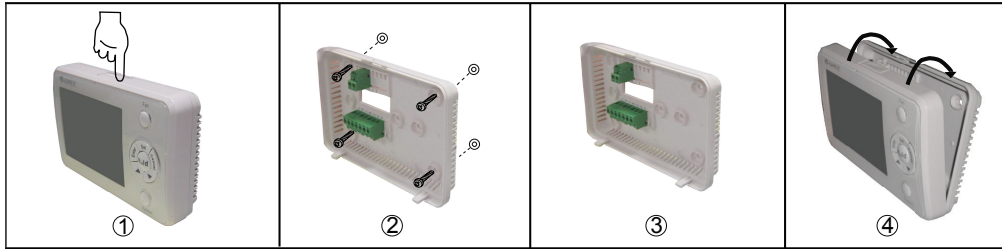


## Wired Controller 24 Volt Owner's Manual 1 Installation Drawing



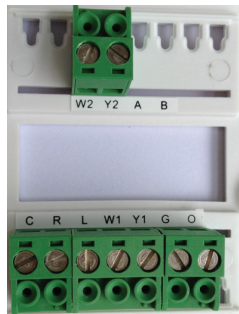
Step 1: Press the button at the top of the wired controller to remove the front panel and the bottom plate.

Step 2: Reinstall the bottom plate in accordance with the locating holes either shown in the figure above or decided by the user.

Step 3: Conduct the wiring and see section 2 for more details.

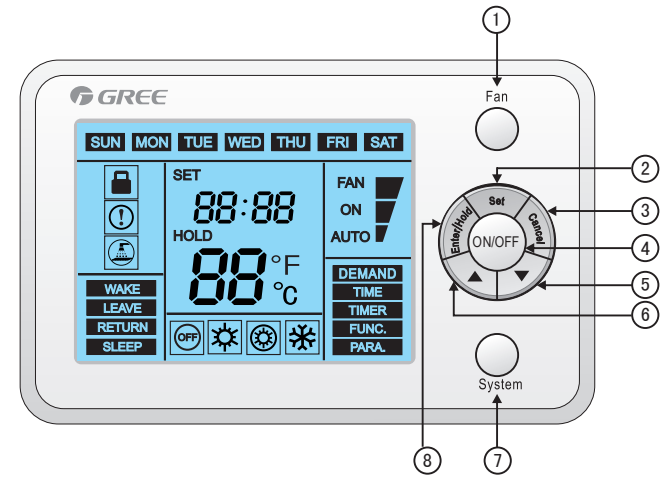
Step 4: Reinstall the front panel.

## 2 Wiring Terminals



Terminals Code	Remarks
C	24 Volt(Common)
R	24 Volt Emergency (hot)
O	To a AC contactor to control the 4-way valve
G	To a AC contactor to control the indoor unit fan
Y1	To a AC contactor to control compressor 1
Y2	To a AC contactor to control compressor 2
W1	To a AC contactor to control the auxiliary heater 1
W2	To a AC contactor to control the auxiliary heater 2
L	Temperature sensor error output
A	485 Communication Port(Reserved)
B	485 Communication Port(Reserved)

## 3 Main Interface



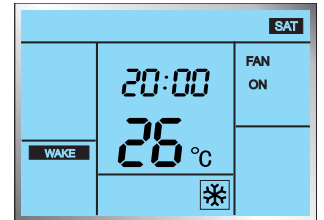
No.	①	②	③	④	⑤	⑥	⑦	⑧
Button	Fan	Set	Cancel	ON/OFF	▼	▲	System	Enter/Hold

## 4 Function Setting

### 4.1 Mode

One among various mode options can be selected by pressing the button "System".

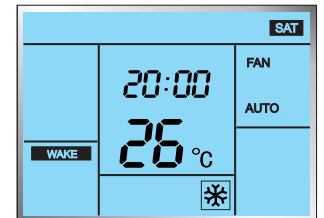
- ◆ As for the cooling only unit, the switchover order of mode options is: E-HEATER(☀️) → COOL(❄️)
- ◆ As for the cooling and heating unit, the switchover order of mode options is: HEAT(☀️) → E-HEATER(☀️) → COOL(❄️)



### 4.2 Fan Speed

There are two options for the fan speed.

- ◆ ON: The fan runs at some certain speed all the time.
  - ◆ AUTO: Under this option, the fan will be turned on or off as the change of the set and ambient temperature.
- They can be set through the button "FAN".

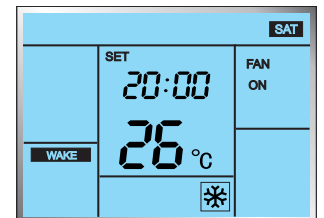


### 4.3 Temperature

On the main interface, the temperature can be set circularly through the button ▲ or ▼.

During the setting operation, the    value will flash and "SET" will be displayed.

Once the setting is finished, it will back to the main interface automatically with the current ambient temperature displayed.




## 4.4 Parameter

It is available to go to the parameter setting status by pressing the button "SET" and then adjust the parameters through the button ▲ or ▼.

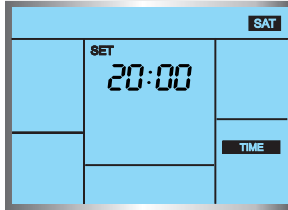
### ◆ DEMAND:

It is available to check the running time of the compressor through this parameter and then quit it by pressing the button "Enter/Hold" or "Cancel", or clean the running time by pressing the button "System" for five seconds.

Note: When the running time of the compressor exceeds 1500 hours, an alarm from the display board will arise to remind the user to clean or change the system's filter with the corresponding symbol  displayed on the main interface.

### ◆ TIME:

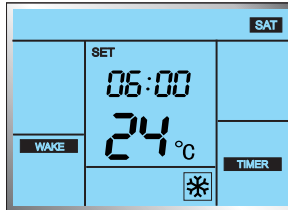
It is available to set the time through this parameter and then go to the "week", "time", and "hour" setting status sequentially by pressing the button "Enter/Hold", after that, adjust the time through the button ▲ or ▼. When the setting is finished, please quit it and save the parameter by pressing the button "Enter/Hold".



### ◆ TIMER:

It is available to set the timer by pressing the button "Enter/Hold" and then five options can be selected circularly:

"week"→"time period"→"start time"→"cooling temperature"→"heating temperature", after that, adjust the parameter through the button ▲ or ▼. When the setting is finished, please quit it and save the parameter by pressing the button "Enter/Hold".



The parameter memory function is set by day, for instance, when the heating temperature under the Sleep mode is set on the day Week X, only after the button "Enter/Hold" is pressed can all parameters on four time periods be saved. And it would fail to memory any parameters on conditions that the setting quits or is canceled in the middle way.

### ◆ FUNC:

It is available to set some functions through this parameter, and adjust the setting through the button ▲ or ▼, after that, make a confirmation and save the setting by pressing the button "Enter/Hold".

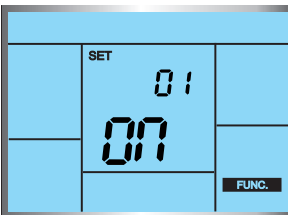
01 Memory: "ON" indicates this function is available; "OF" indicates this function is unavailable.

02 Temperature Unit: "C" for Celsius scale; "F" for Fahrenheit scale

03 Unit Type: "C" for the cooling only unit; "H" for the cooling and heating unit.

04 Compressor Delay Protection: "ON" indicates this function is on. "OF" indicates this function is off.

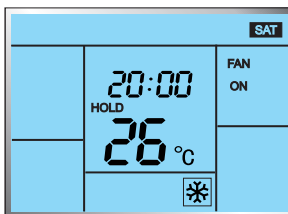
05 Default Reset: "ON" indicates this function is on; "OF" indicates this function is off.



## 4.5 Hold

On the temperature adjustment page, it is available to activate the "Hold" function by pressing the button "Enter/Hold", that is, the current setting temperature will be kept unchanged with the change of the setting temperature for each timing period.


This function can be deactivated by pressing the button "Enter/Hold"



again.

When this function is activated, the current setting temperature will always be displayed.


## 4.6 Lock

It is available to go to the lock setting by pressing the buttons ▲ and ▼ simultaneously for five seconds, with the lock symbol  displayed.

When this function is active, any press on any other button would get no response. This function can be canceled by pressing the buttons ▲ and ▼ simultaneously for another five seconds.

## 5 Error Display

"HI" will be displayed if the indoor ambient temperature is higher than 37°C, and "LO" will be displayed if the indoor ambient temperature is lower than 0°C.

"F0" or an error symbol  will be displayed if the indoor ambient temperature sensor of the wired controller malfunctions.

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