

Sist.ctrol.Univ.QD-HVAC20-FanCoil

CODIGO: 946234





QD-HVAC20 Digital Thermostat for Central Air Conditioner

Dear customers:

Thank you for choosing QUNDA HVAC series thermostats. It's our biggest wish to bring convenience to your daily life. Before using this product, please read the user's manual carefully, which will help you use it correctly.

2.Function Overview

QD-HVAC20 can control two two-way electric valves or two three-way electric

valves.

QD-HVAC20 is applicable to two-pipe and four pipe water system or air system It can control the working condition of FCU(fan coil unit) or electric valve through comparing the environmental temperature and setting temperature, which can help to achieve the purpose of comfortable temperature and energy

efficiency.

QD-HVAC20 adopts to industrial-grade micro-computer technology with the touching key and large LCD display. It is easy in operation, stable and reliat

2.2 Features

- Peatures

 Control two two-way valves or two three-way valves.

 Wide operating voltage: AC100V-240V.
 6.8 sq. Inch large LCD display panel.
 Optional for Celsius degree or Fahrenheit degree
 Three working modes: cooling, heating, ventilation.
 Four fan speeds: high, middle, low, auto.
 Sleep function and timer function.
 Temperature calibration function.
 Optional for the fan working modes.
 Frost prevention when power off.
 Auto restart function.

- Frost prevention when poster s...
 Auto restart function.
 Key lock function.
 IR remote control(Optional and purchasing it separately).

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NO.	Description
	Key locked symbol. Displaying means keys are locked, and only "ON/OFF" key can be used. No displaying for the symbol means keys are unlocked.
	Room temperature: Display the room temperature. It will show "E1" when the temperature sensor is abnormal.

3 Setting temperature: Display the setting temperature.

4	Heat On: It appears when the heating valve is opened.
5	Cool On: It appears when the cooling valve is opened.
6	Cooling: Current working mode is cooling mode.
7	Heating: Current working mode is heating mode.It will be ventilation mode when cooling or heating symbol didn't display on the screen.
8	Fan working condition symbol: It appears when the fan is working.
9	Fan speed: Low fan *** , middle fan **** , high fan ***** , auto fan Auto .
10	Weekly timer symbol: It appears after setting weekly timer function.
11	Sleep function symbol: It appears when the sleep function is working.
12	Timer off symbol: It appears when the timer off function is working.
13	Timer on symbol: It appears when the timer on function is working.
14	System time: Display the system time.

4. Basic operation

4.1 ON/OFF: Control the thermostat power on and power off. The screen will show the room temperature when power off, and it will close the fan coil unit, electric valve, electric ball valve and electric wind valve.
4.2 MODE: Switch the mode among cooling, heating, ventilation orderly. The first time to press key will show the current mode and be flashing. Press the "MODE" key repeatedly, displaying" %" means cooling mode, displaying "%" means heating mode. No displaying for both of them means ventilation mode.
4.3 FAN: Switch the fan speed among low, middle, high, auto orderly. It will display the current fan speed and flash for the first time to press the key. Press "FAN" key to select the required fan speed.
Remarks: In auto fan mode, it will choose high speed wind automatically when the difference between room temperature and setting temperature is over 3°C; it will choose middle speed wind automatically when the difference between room temperature and setting temperature is from 2°C to 3°C. It will choose low speed wind automatically when the difference between room temperature and setting temperature is only 1°C. When the room temperature and setting temperature is only 1°C. When the room temperature and setting temperature is only 1°C. When the room temperature and setting temperature is only 1°C. When the room temperature and setting temperature is only 1°C. When the room temperature and setting temperature is only 1°C. When the room temperature and setting temperature for 1°C. When the some room temperature and setting temperature is only 1°C. When the room temperature and setting temperature is only 1°C. When the room temperature cance setting temperature is only 1°C. When the room temperature cance to show 2°C and it will be flashing. Press the "TIMER" key again to set timer off for 1 hour, and press "TIMER" key repeatedly, the time is increasing, and when the time is over 16 hours, it will cancel the timer on function. If you have set the timer of function, you can cancel this function by pressing "T

5 seconds to lock the key, "→O "will appear. Press "ON/OFF" key for 5 seconds again to unlock the key, "→O "will disappear.

4.7 Clock setting: When power off, press and hold the "a "key for 5 seconds to adjust the time, the week begin to flash. Press "A V" to adjust the hour. Press the mode key again, the minute will be flashing, press "A V" to adjust the hour. Press the mode key again, the minute will be flashing, press "A V" to adjust the hour. Press the mode key again, the minute will be flashing, press "A V" to adjust the hour. Press "MOPE" key again, the week will be flashing again. Press "ON/OFF" again to keep the set system time.

48.5 +2 days weekly timer function: When power off, press and hold "TIMER" for 5 seconds to cancel the weekly timer function when it had been set or to enter into the weekly timer setting mode when it had not been set before. The temperature of timer on from Monday to Friday will display and flash on the screen. You can press "A V" to adjust the temperature.

Press "MODE" key, again, the time of timer on from Monday to Friday will display and flash on the screen. You can press "A V" to adjust the time.

Press "MODE" key again, the time of timer of from Monday to Friday will display and flash on the screen. You can press "A V" to adjust the time.

Friday will display and flash on the screen. You can press * ▲ ▼ " to adjust the time.

Press *MODE" key again, the temperature of timer on for Saturday and Sunday will display and flash on the screen. You can press *▲ ▼ "to adjust the temperature.

Press *MODE" key again, the time of timer on for Saturday and Sunday will display and flash on the screen. You can press * ▲ ▼ " to adjust the time.

Press *MODE" key again, the time of timer off for Saturday and Sunday will display and flash on the screen. You can press * ▲ ▼ " to adjust the time.

to adjust the time.

Press "MODE" key to confirm and exit from the weekly timer

Press MODE key to confirm and exit from the weekly timer setting mode.

4.9 Other functions:

Backlight function: When power off, the backlight will be off.

When operating it, the backlight will be on. The backlight will be off when there is no operation after 5 seconds.

Buzzer prompt function: There is a buzzer sound when using the remote to control the thermostat.

Remote control function(purchase it separately): You can operate the thermostat through remote control.

5. Control for Electric Valve and Fan

5.1 Electric valve control

5.1 Electric valve control
5.1.1 Two-pipe water system(F1=1)
In cooling(heating) mode, when the room temperature is 1°C higher (lower) than the setting temperature, the electric valve will be opened. When the room temperature reaches the setting temperature, the electric valve will be closed.
5.1.2 Four-pipe water system(F1=2)
In cooling mode, when the room temperature is 1°C higher than setting temperature, the cold water valve will be opened. When the room temperature is lower than setting temperature, the cold water valve will be always closed in cooling mode in heating mode, when the room temperature is 1°C lower than setting temperature, the hot water valve will be opened. When the room temperature is higher than setting temperature, the hot water valve will be opened. When the room temperature is higher than setting temperature, the hot water valve will be opened. When the room temperature is higher than setting temperature, the hot water valve will be always closed in heating mode.
5.2 Fan control: It has 3 outputs for the fan speed: high, middle, low. The fan has two working modes, and you can choose the