

QD55DC(SW) Universal A/C control system



Product description

QD55DC(SW) is a new universal control system for air-conditioners produced by our company. Featuring in high quality and multifunction, this universal control system is the best replacement for your original ones.

Thank you for your support for our products. It is our great pleasure to bring convenience for your daily life. Please read the manual carefully before using the control system, which will really assist you in installing the control system correctly and getting the most from your new control system.

Product feature

- Restart function.
- Switch power.
- **Special use for 310V DC fan.**
- Luxury receiver, elegant appearance and the working state is displayed directly.
- Five working modes.
- Accurate and stable temperature display.
- Accurate auto wind function.
- Double sensors.
- Auto defrost function.
- Three fan speeds of high, middle and low.
- Colorful sensor sockets design and easier to distinguish and install.
- Timer on/off function.
- Sleep function.
- Double sockets for fan motor, which is more convenient for installation.

instruction of the remote

The remote control manual

Mode selection: Select working mode, economic operation, if room temperature lower than 21℃, in to heating mode. If higher than 27℃, in to cooling mode. Setting temperature is 24℃.

Fan speed selection: Select fan speed, it will be slow when in dry or heating mode, and the compressor is shut off, or in heating mode and compressor just start less than 3 minutes. In auto fan mode: the fan speed will be quick if the difference between setting temperature and room temperature higher than 4℃ and it will be slow if the difference less than 2℃.

Temperature setting: Be able to set from 16℃-30℃. It will not response in auto mode or dry mode.

Timer selection: Timing shutdown, timing start up and no timing.

Timer setting: It can be between 1-16 hours.

Swing: Swing on or off.

Sleep: It will shutdown after 8 hours.

Too warm/Too cool: Effective in economic mode. Be able to adjust the setting temperature 1℃ up or down after press it.

On/Off: Control on or off.

Parameter Settings

Turn off the remote control, long press the "MODE" key for about 5 seconds to enter the parameter setting option, the parameter number is C1-C6, repeatedly press the "MODE" key to switch parameters, and press the temperature + and - keys to adjust parameters. Press the power button to save the settings and exit.

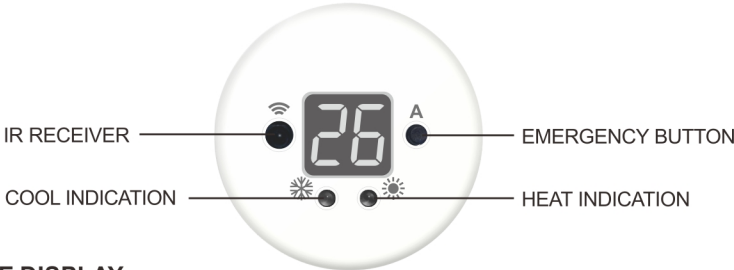
Parameter Options

Parameter	Function	Description	Default
C1	AUTO restart	00: OFF, 01: ON	01
C2	Direction of rotation for swing motor	00: rotate forward, 01: rotate backward	00
C3	Reserved		
C4	Reserved		
C5	Adjust fan speed	00: low fan, 01: medium fan, 02: high fan	01
C6	Reserved		

Restore Factory Defaults

Turn off the remote control, long press "FAN" key for about 5 seconds, the control board will restore the parameters to the default value after a "beep" sound.

Receiver Function



1. MODE DISPLAY

POWER ON
AUTO MODE: Temperature directories displays **RU**.
COOL MODE: Cool indicator light on, temperature directories display setting temperature and room temperature, when setting it display setting temperature that by remote, and then displays room temperature.

DRY MODE: Temperature directories displays **dr**.
FAN MODE: Temperature directories displays **FA**.
HEAT MODE: Heat indicator light on, temperature directories display setting temperature and room temperature, when setting it display setting temperature that by remote, and then displays room temperature. When defrosting, Temperature directories display **dF**. indicate that air-conditioner is in defrosting state.

SHUT DOWN: All indicators off.
SLEEP: When in sleep mode, the luminance will be dark, make people have a good rest, setting temperature adjust automatically and shut down after 8 hours.

TIMER ON: Temperature directories displays **ON** and flashes, it means air-conditioner in timer-on.

TIMER OFF: Temperature directories displays the current mode, it means air-conditioner in OFF-MODE.

2. REMARKS

IR RECEIVER: To receive the instruction from the remote.
EMERGENCY BUTTON: Without remote, press this button can start air-conditioner. Press it, it will in cool mode, setting temperature will be 26℃, fan speed and direction automatically. Press again, it will in heat mode, setting temperature is 20℃, fan speed and direction automatically, press again, off the air-conditioner. Circulating operation.

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Receiver Function

3. COMPRESSOR INSTRUCTION
In heat or cool mode, when indicator light of heat and cool flash, it means air-conditioner get to the temperature, or compressor in 3 minutes protection state, compressor shut down now, when the indicator light on, it means compressor start.

Failure indication
When the room temperature sensor has a fault, temperature directories displays "**E1**", please check weather the sensor connected or not.
When the pipe temperature sensor has a fault, temperature directories displays "**E2**", please check weather the sensor connected or not.

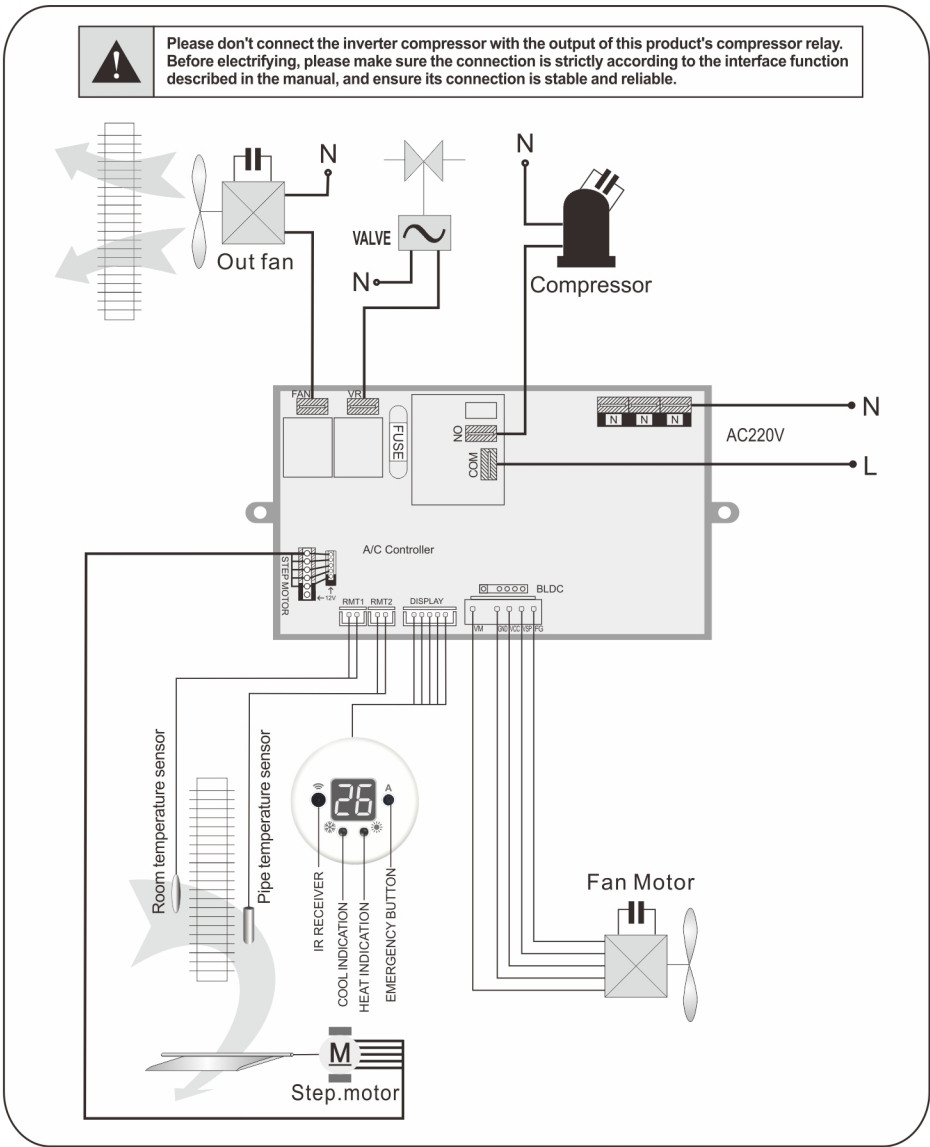
DC motor interface specification:

Number	Name	Parameter/Specification
1	VM	Fan Power DC 310V
2	GND	Fan earth wire GND
3	VCC	Power DC 15V
4	VSP	Control voltage DC 0~6.5V
5	FG	Fan feedback FG

Fittings list

Name	Quantity
PCB	1
Displayer	1
Sensor	2
Remote	1
Terminal	1
Instruction	1

★ The final explanatory right is reserved this company. Any alteration on the design and model will not be further notified.



Note:
1、When the compressor is shut off,it needs 3 minutes to restart.
2、Avoid strong light before IR receiver.
3、The common pins of swing socket are 12V output.
The common pin of step motor should be inserted into the common pins of swing socket.