Product description

QD55DC 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.
- Strong start capacitor for fan motor.
- **Special use for 310V DC fan.**
- Luxury receiver, elegant appearance and the working state is displayed directly.
- The updated plug for the transformer for easy installation.
- 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

- LCD screen
- Power on/ off
- Mode select
- Timer on/off
- Sleep select
- Temperature + and -
- Swing select
- Fan speed select
- Time + and -
- Too cool
- Too warm

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 15℃-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.

Receiver Function

- IR RECIEVER
- COOL INDICATION
- EMERGENCY BUTTON
- HEAT INDICATION
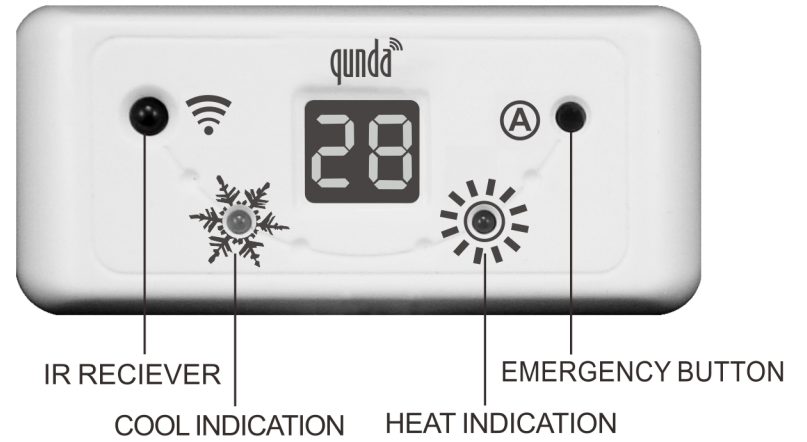
1. MODE DISPLAY

POWER ON

AUTO MODE: Temperature directories displays AU .

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.

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.

⚠ Before electrifying, please make sure the connection is strictly according to the interface function described in the diagram, and ensure its connection is stable and reliable. Please don't plug in or plug out with electricity, otherwise it may damage the motor or the control system.

P3 JUMP:SWING DIRECTION

P3: Disconnect	Stepper motor switches forward
P3: Short circuit	Stepper motor switches reverse

DC motor interface specification:

FEED VSP 15V GND 310V
1   2   3   4   5

DC_FAN   1 2 3 4   5   P5
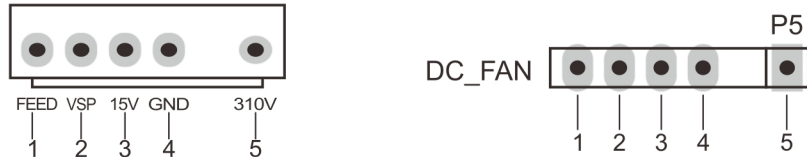
Number	Name	Parameter/Specification
1	FEED	Fan feedback FG
2	VSP	Control voltage DC 0~6.5V
3	VCC	Power DC 15V
4	GND	Fan earth wire GND
5	VM	Fan Power DC 310V

Fittings list

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

Company information

Name: QUNDA Control Technology (Jiangsu) Co., Ltd.
Address: No.888 LongQiao Road, WuJiang District, SuZhou, China
Post code: 215200 **Web site:** www.qunda.com

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

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⚠ Please don't connect the inverter compressor with the output of this product's compressor relay. Before electrifying, please make sure the connection is strictly according to the interface function described in the manual, and ensure its connection is stable and reliable.
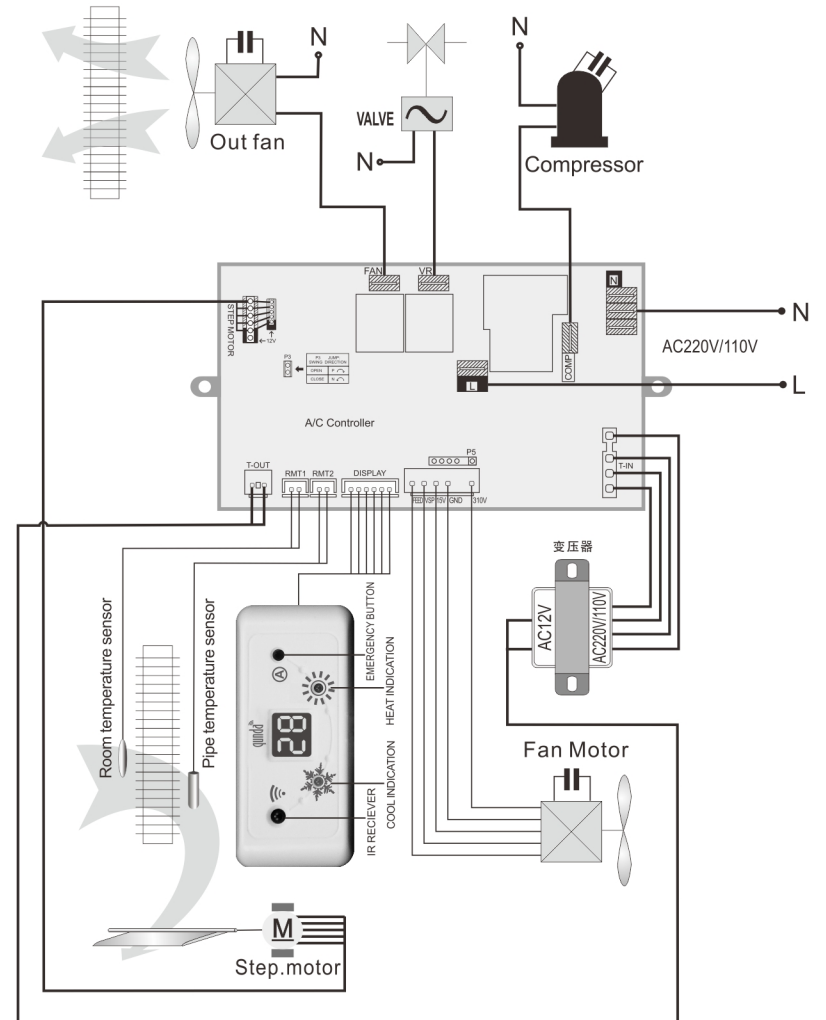
Note:

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.