✅ *everwell* ®

QD-60 Universal Control System For Cabinet Air Conditioners
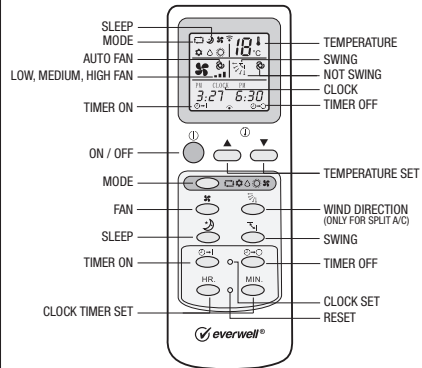
Product Description

QD-60 is an 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

- Strong switch power and a wide range of operating voltage 1OOV-240V.
- Double ports for stepping motor, which is more convenient for the connection.
- Manual operated function with the panel.
- LED display function with the working status displayed in a clear way.
- Heating function.
- Outdoor unit is controlled independently.
- AC motor control function for Swing.
- Five working modes switch.
- Three fan speeds of high, middle and low.
- Accurate auto wind control.
- Stepping motor controls the wind.
- Prevent cold air in the heating mode.
- Timer on / off and the sleep function.
- Auto defrost in the heating mode.
- 3 minutes delay design for the compressor to restart in order to protect it.
- Double sensors design with the colorful sensor sockets, which is convenient for the installation.

Specific Function Keys

SLEEP
MODE
AUTO FAN
LOW, MEDIUM, HIGH FAN
TIMER ON
ON / OFF
MODE
FAN
SLEEP
TIMER ON
CLOCK TIMER SET

TEMPERATURE
SWING
NOT SWING
CLOCK
TIMER OFF
TEMPERATURE SET
WIND DIRECTION (ONLY FOR SPLIT A/C)
SWING
TIMER OFF
CLOCK SET
RESET

Instruction For Display Panel

■ **Basic Function for Buttons On Panel - Very Easy To Use**
  ⏻ Switch the air conditioner on and off. The control system is able to determine which mode it should work in.
  ＞ Set the "SET TEMP" up 1ºC.
  ＜ Set the "SET TEMP" down 1ºC.

■ **Extended Function for Buttons On Panel - Setting MODE, FAN, WIND DIRECTION**
  Keep pressing ＞ or ＜ button for 3 seconds, then enter into extended function status.
  ⏻ Wind direction selection. When the green LED is on, the wind direction will swing; else the direction is fixed.
  ＞ Working mode selection.When the red digits display Au,it works in auto mode.When they display Co,Dr,FA,HE, then it works in cool,dry,fan,heat mode respectively.
  ＜ Fan volume selection.When the green digits display Au, Hi, Me, Lo, it works in auto fan volume,high fan volume, medium fan volume,low fan volume respectively.
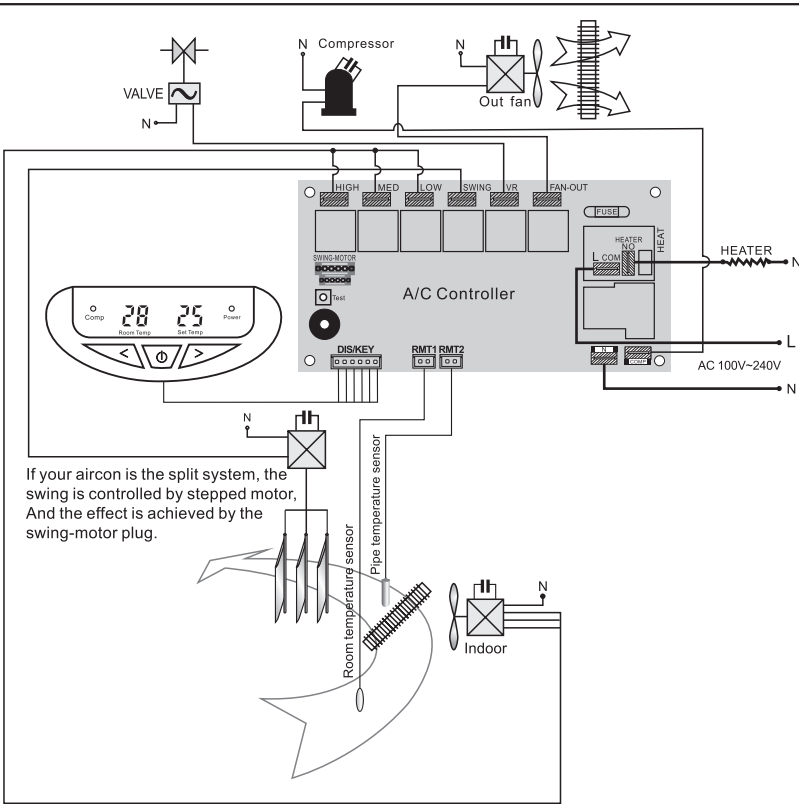
■ **Other Remarks**
1. Timer function: If the timer is set, the green digits will display the left time for timer in hours, and they will be flashing. When the left time is less than 1 hour, the digits will appear in minutes and he power LED light will flash faster.
2. On the main PCB board,there is a forced On button, it only works in power Off status. When making use of it to power on the air conditioner, there will be no delay protection for the compressor, only the technician is permitted to use this button. If at the time of starting the control system to forced on status, and the air temperature is lower than 25ºC, the VALVE will have power, else no power will be on VALVE. In this status, the green display room temperature, the red digits display the temperature of outlet air flow.
3. For split A/C, the stepper motor socket (MOTOR) has 6 pins. Two pins on both sides common pins (12V). Either of them must be connect with the common of the stepper motor plug that has 5 pins. If stepper motor rotating direction is reversed, the common pin of the motor plug should be connect to be other common pin of the motor socket.
4. Mode selection key: Select working mode.When in auto mode,the system will work like heat mode if the room temperature is below 21ºC, or work like cool mode if room temperature is up than 27ºC.
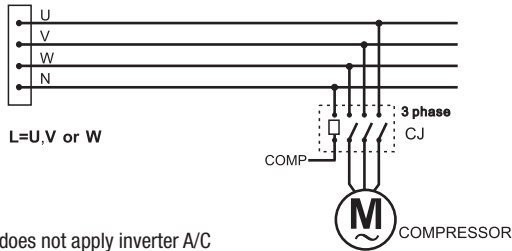
Fittings List

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

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QD-60 Universal Control System For Cabinet Air Conditioners

QD-60 WIRING DIAGRAM

VALVE

N Compressor

N

Out fan

N

HIGH MED LOW SWING VR FAN-OUT

FUSE

SWING-MOTOR

Test

A/C Controller

Comp 28 25 Power
Room Temp   Set Temp

< ⏻ >

DIS/KEY   RMT1 RMT2

HEATER NO
L COM

HEAT

HEATER

N

L

AC 100V~240V

N

N

If your aircon is the split system, the swing is controlled by stepped motor, And the effect is achieved by the swing-motor plug.

Room temperature sensor

Pipe temperature sensor

N

Indoor

3 phase compressor connect

U
V
W
N

L=U,V or W

3 phase
CJ

COMP

M ~ COMPRESSOR

⚠ This product does not apply inverter A/C

Notice:

1. After shutting off the compressor, wait 3 minutes before restarting.
2. Ensure there is no strong light in front of the IR receiver.
3. Please contact a technician for installation. Conduct an electrical test prior to installation, as damage from incorrect installation will not be covered under warranty. After installation, test the control system and make sure there is no strong light in front of the receiver to prevent interference during testing.