

Note: When compressor shut off, it needs 3 minutes to restart.

Manual

Remote control instruction

ON/OFF key: To choose turn on/off the air conditioner.
Mode key: To choose the working mode as auto, cooling, dry, ventilation, heating. In the auto mode, if the room temperature is lower than 21°C, work under heating mode. If the room temperature is higher than 27°C, work under cooling mode. Both of the setting temperatures are 24°C.
26°C key: 26°C key would set the A/C in the cooling mode and provide you the environmental-friendly and comfortable temperature.
Fan key: To choose the fan speed. On the ventilation mode, the fan speed is kept on the low. Auto fan speed: If the difference between the setting temperature and room temperature is more than 4°C, work under high speed. If the difference between the setting temperature and room temperature is less than 2°C, work under low speed.

Swing key: To choose the swing waves or stops.
Temp +/-: The setting range is 16-30°C, and it is invalid in the auto and ventilation mode.
F HEAT: Enter heating, the setting temperature is 20°C.
Timer: To choose timer on/off or cancel.
Timer +/-: The timer range is 1-16hours.
Sleep: To control the sleep mode on or off. On the sleep mode, the air conditioner will be turned off in 8 hours.

The display panel instruction

1: Mode display

POWER ON
AUTO: Temperature area indicates .
Cooling: Cooling light is on, temperature area indicates setting and room temperature. When using remote control to set the air conditioner, it will indicate the setting temperature for 5 seconds, then changed to room temperature.
Dry: Temperature area indicates .
Fan: Temperature area indicates .
Heating: Temperature area indicates setting and room temperature. When using remote control to set the air conditioner, it will indicate the setting temperature for 5 seconds, then changed to room temperature. When defrosting, temperature area indicates , to point that the air conditioner is defrosting.
Power off: All the lights are off.
Sleep mode: When the air conditioner is set on sleep mode, the display luminance will be turned down to help user sleep well, the setting temperature will be adjusted automatically, unit turned off after 8 hours.
Timer on: is indicated and flashes, it points that air conditioner set as timer on.
Timer off: Temperature directories displays the current mode, it means air-conditioner in OFF-MODE.

2: REMARKS

IR receiver: To receive the IR signal from remote control.
Emergency key: Without the remote control, press the key to start the air conditioner. The air conditioner works under cooling mode, setting temperature 26°C, fan speed auto. Press again, the air conditioner works under heating mode, setting temperature 20°C, fan speed auto. Press again to turn off the unit. All are the loop operations.

3: The compressor state indication

On cooling or heating mode, if the cooling or heating light flashes, it means the air conditioner reaches the setting temperature, or the compressor is under the protection of 3 minutes delay. Current now the compressor stops work. Until the heating light keeps on, it means the compressor start to work.

Error indication

When indoor temperature sensor breaks down, the temperature area displays "E1", please check if the sensor is connected.
 When pipe temperature sensor breaks down, the temperature area displays "E2", please check if the sensor is connected.



Parts List

Item	Unit	Quantity
PCB	Pcs	1
Display panel	Pcs	1
Temperature sensor	Pcs	2
Remote control	Pcs	1
Connector	Pcs	1
Indoor fan cable	Pcs	1

Optional Accessory

Start capacitor for indoor fan

<input type="checkbox"/> 1.5μF
<input type="checkbox"/> 1.2μF
<input type="checkbox"/> Without starting capacitor

Equipped a 1.2μF starting capacitor.
 Customer can choose 1.5μF starting capacitor or without starting capacitor. Please let us know your requirement in advance.

Choosing auto restart function

You can choose to use auto restart function or not based on your own environment.
 • **Step 1:** When the system is off, press and hold the emergency key for 5 seconds and temperature area indicates .
 • **Step 2:** Release the emergency key to choose using auto restart function or not.
 At the meaning temperature area will indicates or .
 means auto restart function is unused (the default setting is).
 means auto restart function is used.
 • **Step 3:** On need to confirm the setting, the system will save and return the off state after 10 seconds.

QD53M

- Strong switch power, wide voltage AC100-240V 50/60HZ.
- Automatically restart function (optional).
- Universal for both PG and tap motor.
- New digital display panel, easy to disassemble it.
- The outdoor fan controlled independently, efficient defrosting.
- Quick PG plug.
- Optional starting capacitor.
- Luxury remote control.

- One key 26°C healthy mode.
- Double-ports for step motor, convenient to use.
- Timer on/off, sleep function.
- Prevent cold wind on heating mode.
- Failure diagnosis.
- Double sensors.
- Accurate auto fan.
- Auto defrosting.
- Pipe over temperature protection.

NO.W-E-00097-V1

UNIVERSAL A/C CONTROL SYSTEM

★ Please recognize the indoor fan is PG or tap motor firstly, then start connection.

QD53M

1. If the air conditioner's inverter, please don't directly connect the compressor to the relay on our PCB.
2. Please hire the professional technician to install the unit. Before the installation, be sure to have a power-on test. Any damage result from wrong installation is our responsibility.
3. Please recognize the indoor fan is PG or tap motor firstly, then start connection.
4. Output socket of step motor is six-pin, both of the two sides are common terminals (2V). Swing motor common terminal must be plugged into the one of tap motor output. If the motor rotates in the opposite direction, then plug swing motor common terminal into the other side of step motor output.

