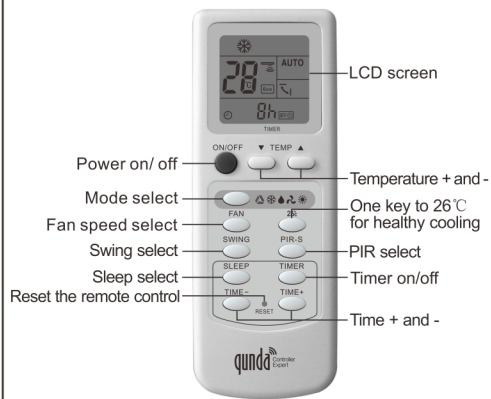# QD55PIR Intelligent Universal A/C control system

Product description

QD55PIR 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.
- Special socket design for starting capacitor.
- Optional start capacitor for users to install.
- Unique one key for 26℃ environmental comfort cooling mode.
- Double sockets for stepping motor, which is more convenient for installation.
- Outdoor fan controlled independently, the defrost effect is immediate
- 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.
- PIR Delay Stop and PIR Eco function.
- Double sensors.
- Auto defrost function.
- Three fan speeds of high, middle and low.
- Colorful sensor sockets design and easier to distinguish and install.
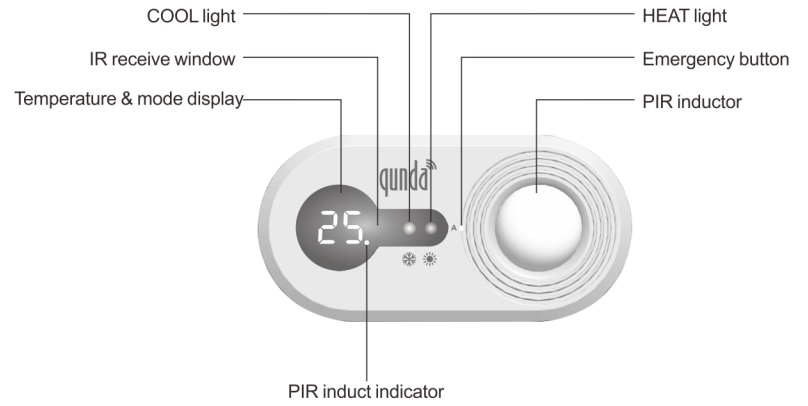- Timer on/off function.
- Sleep function.

instruction of the remote

- LCD screen
- Power on/ off
- Mode select
- Fan speed select
- Swing select
- Sleep select
- Reset the remote control
- Temperature + and -
- One key to 26℃ for healthy cooling
- PIR select
- Timer on/off
- Time + and -

The remote control manual

1. **ON/OFF key:** press to turn on/ off the A/C.
2. **TEMP(temperature setting key):** it can set the temperature from 16℃ to 30℃. The key would not work under the auto or dry mode.
3. **MODE key:** working modes conversion (auto, cooling, dry, ventilation, heating). In the auto mode, the A/C would come to the heating mode when the room temperature is under 21℃; when the room temperature is higher than 27℃, the A/C would come to the cooling mode. The setting temperature is 24℃.
4. **FAN key:** fan speeds conversion. In the dry mode, the indoor fan is low speed and work automatically: it is the high speed when the temperature gap between the setting temperature and the room temperature is more than 4℃;the gap of 2-3℃ is the middle speed; the gap of being under 2℃ is the low speed. The wind speed would convert in every minute.
5. **26℃ key:** 26℃ key would set the A/C in the cooling mode and provide you the environmental-friendly and comfortable temperature.
6. **SWING key:** press to set the vane to swing or not.
7. **PIR-S key:** PIR Delay Stop, PIR Eco and turn off function.
8. **SLEEP:** press to set the sleep mode. In the sleep mode, the fan coil would turn off automatically in 8 hours.
9. **TIMER:** press for timer on/off or cancelling the timer.
10. **TIME+\TIME-:** the time setting ranging from 1 to 16 hours.
11. **RESET:** press to reset the remote control.

Receiver Function

- COOL light
- IR receive window
- Temperature & mode display
- HEAT light
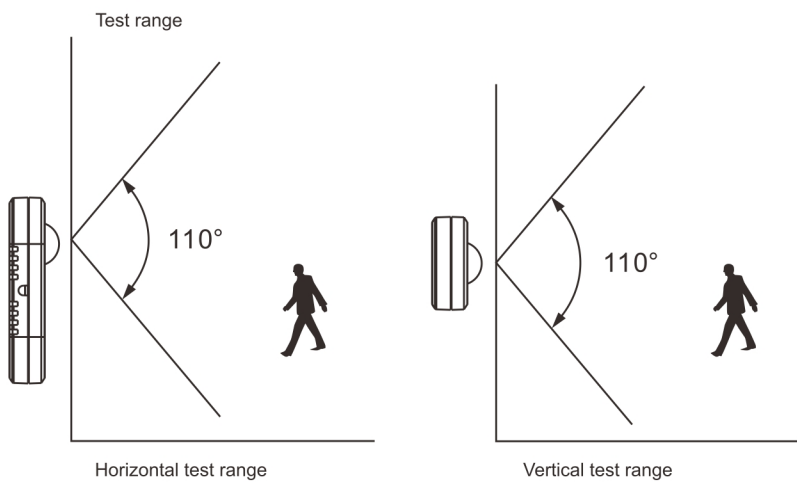- Emergency button
- PIR inductor
- PIR induct indicator

1. **Temperature and mode display:**
   Power on
   AUTO mode: "AU" displayed in the temperature area.
   COOL mode: The cooling light is on, the setting temperature and room temperature are displayed in the temperature area. It displays setting temperature in 5 seconds after the remote is set. After that it would show the room temperature constantly.
   DRY mode: "dr" displayed in the temperature area.
   FAN mode: "FA" displayed in the temperature area.
   HEAT mode: The heating light is on and the setting temperature and room temperature are displayed in the temperature area. It displays setting temperature in 5 seconds after the remote is set. After that it would show the room temperature constantly. When the A/C is defrosting, "dF" would display in the temperature area.
   Power off: All the lights would be off
   SLEEP mode: In the sleep mode, the light will turn gray automatically to ensure you a good sleep. The setting temperature will be adjusted automatically, and the A/C would turn off 8 hours later.
   Timer on: the icon "ON" displayed and flashed in the temperature area to show the timer on mode.
   Timer off: the current Mode or temperature displayed and flash in the temperature area to show the timer off mode.
2. **IR receiver:** Receive the IR signal from the remote.
3. **COOL light:** The light is on when power on and in cool mode.
4. **HEAT light:** The light is on when power on and in heat mode.
5. **Emergency button:**
   If there is no remote at hand, press the button to turn on the A/C. Press once to set cool mode, and the temperature will be 26℃, the wind will be auto. Press twice to set heat mode, and the temperature will be 20℃ and the wind will be auto. Press the third time to turn off the A/C. You can use it repeatedly.
6. **PIR induction indicator**
   1) The light of induction indicator is off, which means the PIR function is off.
   2) The light of induction indicator is on or flashing, which means the function is on.
   3) The light of induction indicator keeps on: it means there are people in the induction area. If there is no human activity detected in one minute or more than one minute, the light would flash.
7. **PIR inductor**
   Induct the human activity

QD55PIR Intelligent Universal A/C control system

PIR instruction

1.PIR detecting range

Test range

110°
110°

Horizontal test range
Vertical test range

2. **IR detecting distance:** 6-10m.
3. **To use PIR function, please press the PIR-S button on the remote to choose PIR Delay Stop or PIR Eco mode.**
   3.1 PIR Delay Stop : In the PIR mode, if there is no human activity detected in 15-30 minutes, the A/C will be turned off automatically.
   3.2 PIR Eco: in the cool mode, if there is no human activity detected in 15-30 minutes, the setting temperature will raise 1-3℃. Once human activity is detected again, the setting temperature will be back to the setting temperature. In the heat mode, if there is no human activity detected in 15-30 minutes, the setting temperature will decrease 1-3℃. Once human activity is detected again, the setting temperature will be back to the setting temperature.
4. **PIR instruction & installation**
   4.1 Avoid installing PIR receiver near or right in front of the airflow outlet.
   4.2 The PIR receiver is supposed be installed in an environment with stable temperature.
   4.3 When PIR function is on, please keep windows and doors closed to avoid cross ventilation and misinformation caused by cold and hot air exchange.
   4.4 Aim the PIR receiver at the area where people are around.
   4.5 The inductor cannot work right in the sun light, car light and lamp directly. And you cannot aim it at the heating source (such as radiator and heater) or A/C, in case the great temperature difference affect the detecting result.
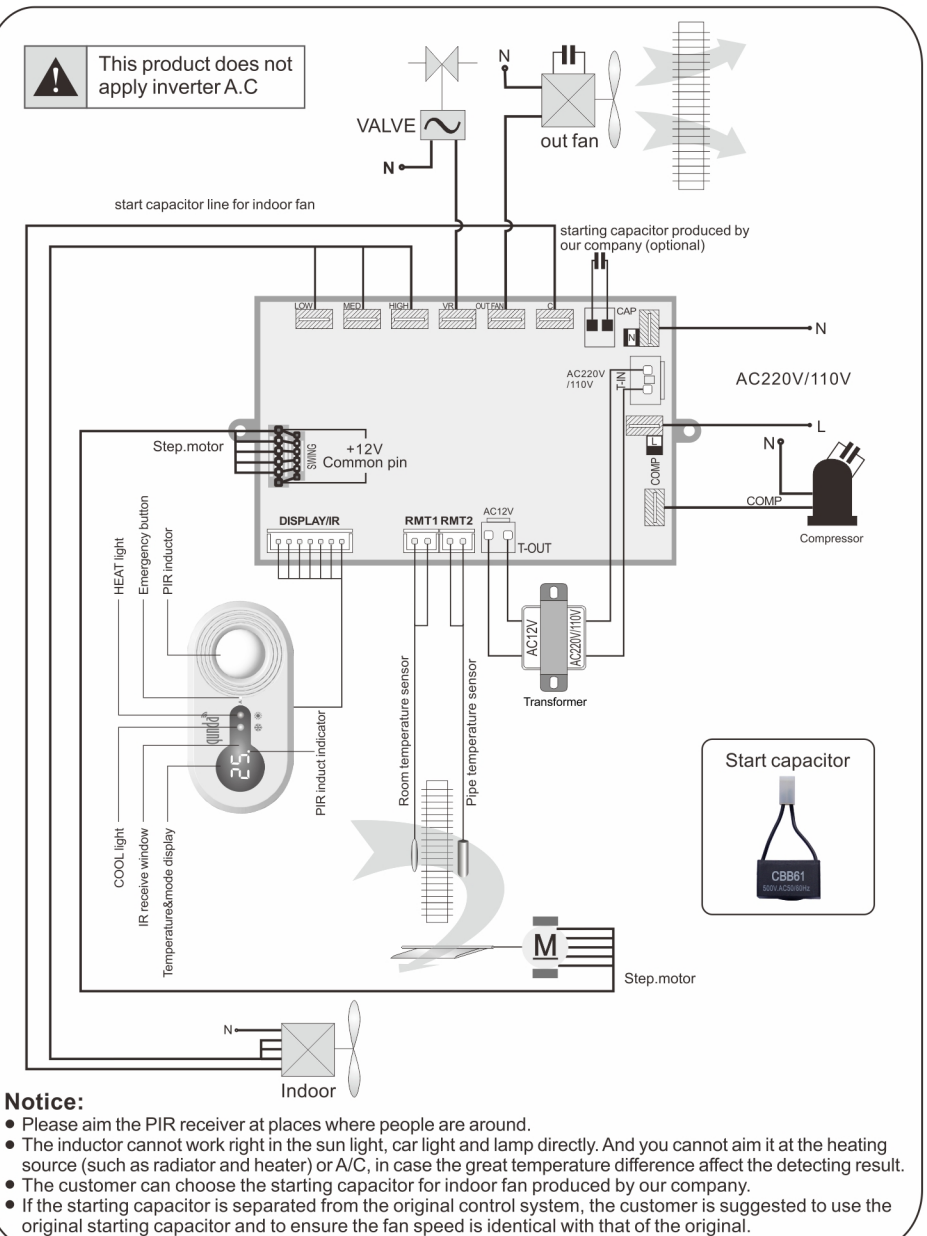   4.6 Do not install it outside.

Fittings list

Name	Quantity
PCB	1
Displayer	1
Transformer	1
Sensor	2
Remote	1
Terminal	1
Start capacitor for indoor fan(optional)	1 or 0
Instruction	1

Company information

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

NO.S-E-00089-V2

⚠ This product does not apply inverter A.C

- VALVE
- out fan
- N
- start capacitor line for indoor fan
- starting capacitor produced by our company (optional)
- CAP
- N
- AC220V/110V
- AC220V/110V
- L
- N
- COMP
- Compressor
- Step.motor
- +12V Common pin
- HEAT light
- Emergency button
- PIR inductor
- DISPLAY/IR
- RMT1 RMT2
- AC12V
- T-OUT
- AC12V
- AC220V/110V
- Transformer
- COOL light
- IR receive window
- Temperature&mode display
- PIR induct indicator
- Room temperature sensor
- Pipe temperature sensor
- Start capacitor
- CBB61
- Step.motor
- M
- N
- Indoor

Notice:
- Please aim the PIR receiver at places where people are around.
- The inductor cannot work right in the sun light, car light and lamp directly. And you cannot aim it at the heating source (such as radiator and heater) or A/C, in case the great temperature difference affect the detecting result.
- The customer can choose the starting capacitor for indoor fan produced by our company.
- If the starting capacitor is separated from the original control system, the customer is suggested to use the original starting capacitor and to ensure the fan speed is identical with that of the original.

1.Make sure there is no strong light in front of the IR receiver.
2.The stepper motor output socket (swing) is the one with six sockets, and the common port is on the two sides. The plug of common port for the fan has to be inserted into the common port of output socket for the stepper motor. If the motor works in the wrong direction, insert the plug of the common port for the fan into the other common port of the output socket for the stepper motor.