








# QD-U12A universal A/C control system user's Manual


## User's Manual

■ **Note: When the compressor is shut off, it needs 3 minutes to restart.**

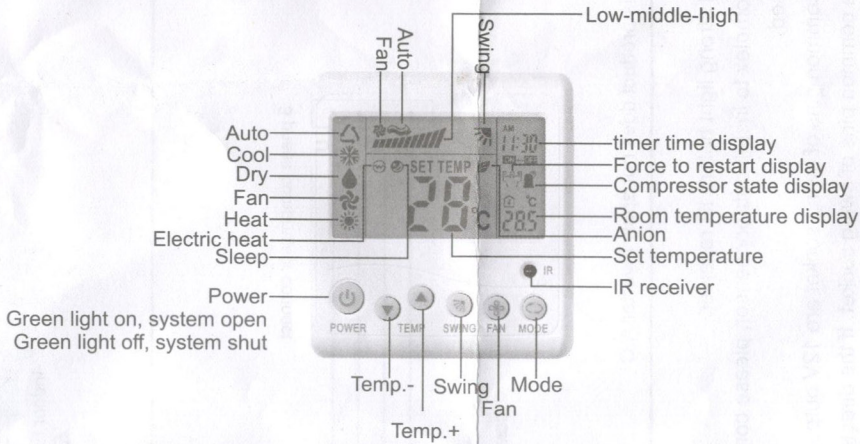
■ **Basic Function for button on panel-Very easy to use**

- ※  Power: Turn on or off the air conditioner
- ※  Temperature: press  once, temperature increase 1°C. Press  once, temperature decrease 1°C
- ※  Swing: control wind direction swing or fix
- ※  Fan: control air flow works in high, middle, low and auto
- ※  Mode: control work mode in auto, cool, dry, fan and heat

■ **Other Remark**

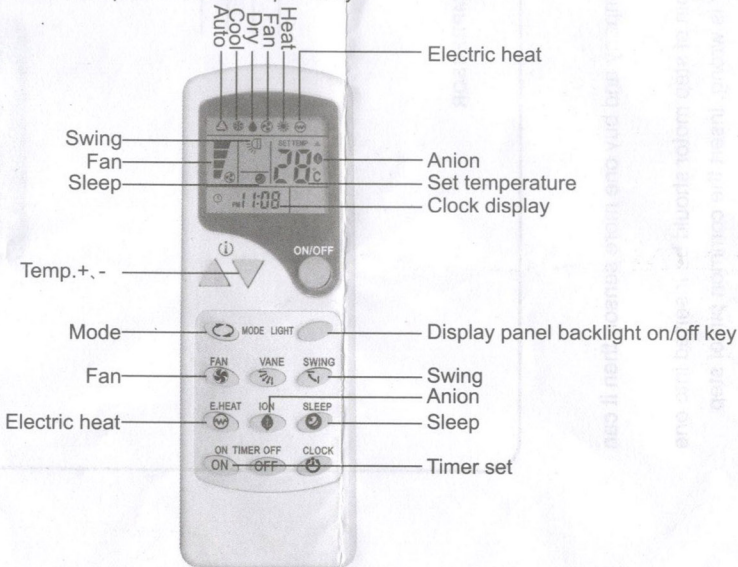
- ※ Fan motor: when  fan works, indoor fan motor cause fan. It stops, don't cause any fan.
- ※ Defrost: While air-conditioner is in defrosting state, set temperature shows "DF5".
- ※ Timer function: When set-up timer, the display panel will show "on" or "off" on the upper right corner, and it will show the time of the timer.
- ※ Backlight function: this display panel has blue backlight, user can see clearly in long-distance. When air-conditioner is turned on, you can control the backlight shine or not by light key. When air-conditioner is turned off, backlight does not shine.
- ※ Power function: When air-conditioner is turned on, power key will emit weak green light to instruct. And when air-conditioner is shut off, power key does not shine. This feature is to prevent the backlight highlight the impact of sleep quality or the effect of watching television. It is very good for user. Even if the backlight turn off, but also to know whether the air-conditioning is switched on or not.
- ※ There is a mandatory start key in main PCB, and it works only in shutdown estate. Forced to start air-conditioner, there is not protective Time-delay for compressor. So please install and use it by certificated technician. When forced to start, LCD shows "E-9", if room temperature is lower than 25°C, valve will get power, if not, do not get power.  
When forced to start, Room temp. zone shows current room temperature, Set temp. zone shows indoor machine's coil pipe temperature. Timer zone shows outdoor machine's coil pipe temperature. If connect sensors by mistake, it will show "nE", if don't connect or sensor is broken, it shows "EE".
- ※ Connection of sensor
  - ▶ RMT1 (room temperature sensor)—red  
Put this sensor in the air or fan entrance, and do not touch with anything. If don't connect RMT1 or error will affect the air-conditioner work.
  - ▶ RMT2 (indoor coil pipe sensor) — white
    1. Put sensor in indoor coil pipe entrance, and touch with coil pipe, it can protect indoor machine.
    2. When don't connect RMT3, RMT2 has intelligent defrosting function.
  - ▶ RMT3 (outdoor coil pipe sensor)— black (extra)
    1. Put sensor in the outdoor coil pipe, it can defrost accurately.
    2. When don't connect RMT3, control will auto defrost according to the testing temperature of RMT2.
- ※ Function of the anion: connecting the anion generators, if the original air conditioner does not own this function, do not connect it and the function will be invalid.
- ※ Auxiliary heating: connecting the auxiliary electric-heating tube, if the original air conditioner does not own this function, do not connect it and the function will be invalid.
- ※ Stepping Motor: connecting the step motor, if the original air conditioner does not own this function, do not connect it and the function will be invalid.
- ※ Power-fail restart: the system own the memory function when power-fail, and when the power up the air conditioner will back to the state before power-fail.

## Instruction of display panel



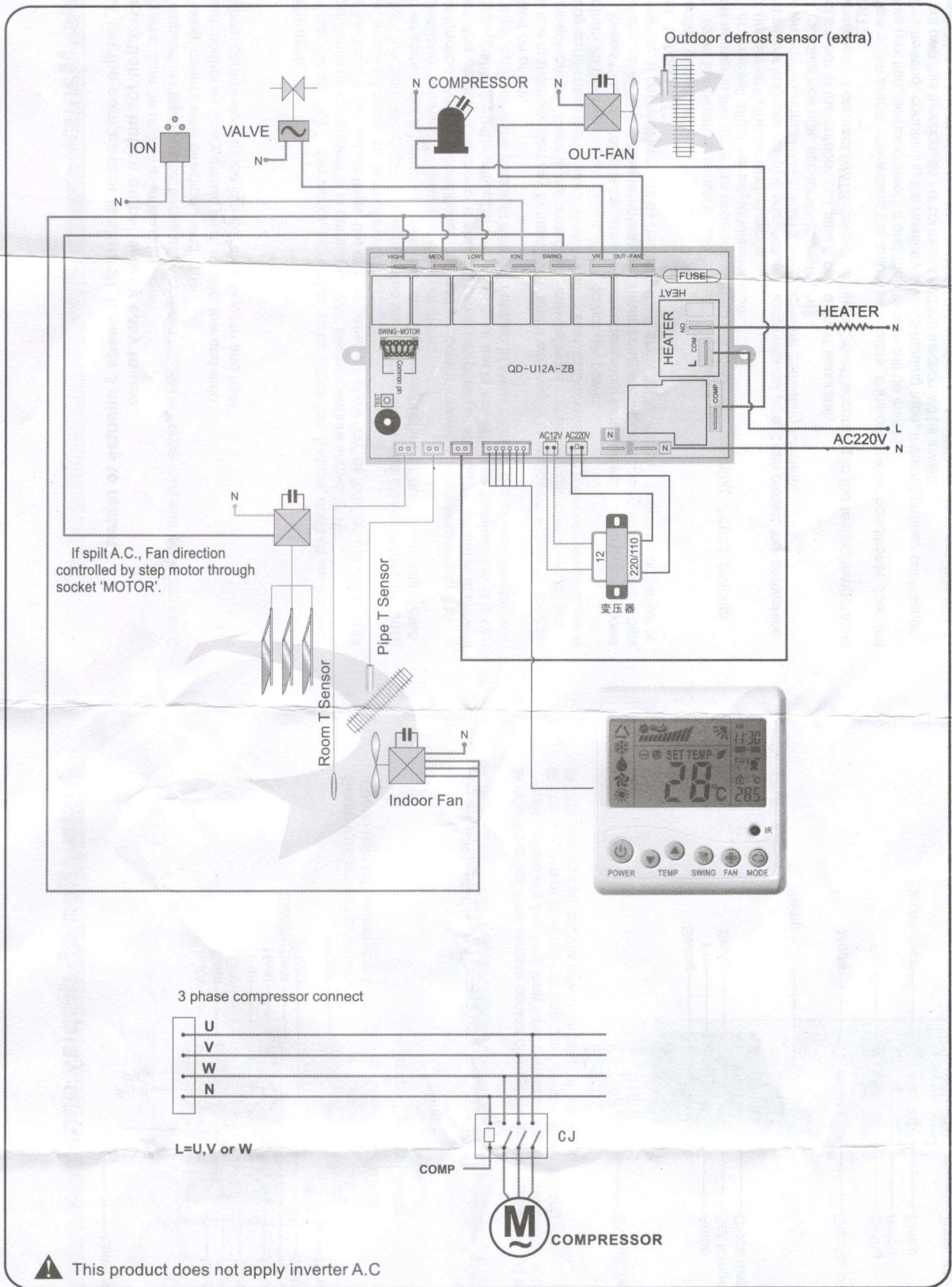
## Instruction of remote control

- When the first time remote control change the batteries, please set the time before. If the remote control dose not use for a long time, please get out the batteries to avoid leakage liquid damaging it.
- The function of auxiliary heating can be used in the heating mode.
- This remote can set the power on and off precisely.





# QD-U12A UNIVERSAL A/C CONTROL SYSTEM



1. Avoid strong light before IR receiver.
2. It is complex to install outdoor sensor, please contact with our company and buy one more sensor, then it can be used.
3. The common pins of swing socket are 12V output. The common pin of step motor should be inserted into one of the common pins of swing socket. If the direction of step motor is wrong, insert the common pin of step motor to other common pin of swing socket.