

TROUBLESHOOTING

7. 1 Malfunction analysis

When air conditioner goes wrong before you contact the servicing department, please read the following contents, it will help you save much more time and energy.

Problems	Phenomena	Causes	Solution
Air conditioner fails to run	Press “ON/OFF” key on the remote controller, no “beep” sound comes from the indoor unit and the RUN light is off	Power failure	Press “ON/OFF” key after comeback of power
		Power switch is off.	Turn on power supply
		Fuse of power switch may have burned.	Replace the fuse
		The creepage switch is off	Turn on the creepage switch
		The remote controller is working out of the function range	Operate the remote controller in the function range of the remote controller
		Batteries of remote controller exhausted (Information on the screen darken)	Replace them with new batteries
Air conditioner fails to start	Remote controller indicates that the air conditioner is working	Be in 3 minutes protection of compressor.	Wait or call your dealer for service
After starting up, the air conditioner will stop working in a short time		Air inlet or outlet of the indoor or outdoor unit are blocked	Eliminate all dirties and make air smooth.
		The air filter is dirt	Clean the filter
Air flow is normal but the air blew out is not cool or warm	Remote controller indicates that the air conditioner is working	Temperature is not set correctly, too high in COOL mode or too low in HEAT mode	Set the temperature properly
		The air filter net has been blocked with dust or dirt	Clean the ail filter net
		Air inlet or outlet of the indoor or outdoor unit are blocked	Eliminate all dirties and make air smooth.
		Doors and windows are open	Close doors and windows

Once the air conditioner break down for power failure , it can start only by pressing "ON/OFF" key on the remote controller even if the power restores.

7.2 Self-fault diagnostic function

Our company will provide convenient service to our customers, and install all kinds of judgment systems, which can display the unnormal function of the unit.

Fault codes table(1)

4LED Faults	Digital display	Failure description
Timer light flashing	E2	Ambient temperature sensor (T1) failure
Running light flashing	E3	Evaporator pipe temperature sensor (T2) failure
Defrost light flashing	E5	Condenser pipe temperature sensor (T3) failure
Warning light flashing	F5	Water fullfilled protection
Running light, defrost light flashing	E1	Indoor unit and wire controller communication failure
Running light, timer light flashing	P6	Indoor unit EEPROM failure
Defrost light, timer light flashing	F0	Indoor fan stall protection
Defrost light, warning light flashing	F2	Outdoor protection
	F7	outdoor unit over-current protection
Timer light, warning light flashing	E0	Indoor unit and outdoor unit communication failure
Running light, defrost light, timer light flashing	F3	High pressure protection
Defrost light , timer light, warning light flashing	F4	Low pressure protection
Running light, timer light, warning light flashing	F8	Outdoor unit exhaust temperature over-high protection
Running light, defrost light, timer light, warning light flashing	F9	Three-phase electricity phase sequence failure
Note: the flashing frequency for all above indication lights is 1HZ.		

Fault codes table(2)

Faults	LED
High pressure failure	Green light flashes once every 5s
Temperature sensor T3 failure	Green light flashes 2 times every 5s
Overflow test failure	Green light flashes 3 times every 5s
Phase sequence test failure	Green light flashes 4 times every 5s
Exhaust temperature over-high failure	Green light flashes 5 times every 5s
Low pressure failure	Green light flashes 6 times every 5s
Normal communication receiving	Yellow light keeps constant on
No communication receiving	Yellow light extinguishes
Communication failure warning	Yellow light flashes

Following cases are not air conditioner troubles

1. Sometimes, air conditioner may give off odours, for the unit can absorb the smell of rooms, furniture, cigarettes, makeup, etc., and then emit it again.
2. A continuous low hissing sound is heard when the system is in operation. This is the sound of refrigerant gas flowing through both indoor and outdoor units.
3. When starting up or stopping the air conditioner, you can hear “cracking” sound from the air conditioner, this sound is produced by the contraction or the expansion of the structural part of the air conditioner, which is caused by temperature change