

TROUBLESHOOTING

Middle Static Pressure Duct Type

KDIR
SERIES

KLIMAIRE® ≈

Thank you very much for purchasing our air conditioner,
Before using your air conditioner , please read this manual carefully and keep it for future reference.

1. TROUBLESHOOTING

1.1. Troubles and causes of air conditioner

If one of the following malfunctions occur, stop operation, shut off the power, and contact with your dealer.

- The operation lamp is flashing rapidly (5Hz). This lamp is still flashing rapidly after turn off the power and turn on again. (Refer to Table 1-1 and Table 1-2)
- Remote controller receives malfunction or the button does not work well.
- A safety device such as a fuse, a breaker frequently actuates.
- Obstacles and water enter the unit.
- Water leaks from indoor unit.
- Other malfunctions.

If the system does not properly operate except the above mentioned cases or the above mentioned malfunctions is evident, investigate the system according to the following procedures. (Refer to Table 7-3)



CAUTION

Please cut off the power supply when appearing the above malfunction, check if the voltage provided is out of range, check if the installation of air-conditioner is correct, then electrify again after 3 minutes power off. If the problem is still existent, please contact the local service station or the equipment provider.

Table 1-1

N0.	Malfunction	display (nixie tube)	timer lamp	running lamp (flashes per second)
1	Indoor EEPROM error	E0	OFF	1
2	Communication malfunction between indoor and outdoor units	E1	OFF	2
3	Indoor fan speed malfunction	E3	OFF	4
4	Indoor room temperature sensor open circuit or short circuit	E4	OFF	5
5	Evaporator coil temperature sensor open circuit or short circuit	E5	OFF	6
6	Refrigerant leakage detection malfunction	EC	OFF	7
7	Water-level alarm malfunction	EE	OFF	8
8	Communication malfunction between two indoor units (for twins model)	E8	OFF	9
9	Other malfunction of twins model	E9	OFF	10
10	Current overload protection	F0	ON	1
11	Outdoor room temperature sensor open circuit or short circuit	F1	ON	2
12	Outdoor condenser pipe temperature sensor error	F2	ON	3
13	Discharging air temperature sensor error	F3	ON	4
14	Outdoor EEPROM error	F4	ON	5
15	Outdoor fan speed malfunction (Only for DC fan motor)	F5	ON	6
16	T2b sensor error	F6	ON	7
17	Inverter module IPM protection	P0	Flash	1
18	High/Low voltage protection	P1	Flash	2
19	High temperature protection of compressor top	P2	Flash	3
20	Outdoor low temp. protection	P3	Flash	4
21	Compressor drive error	P4	Flash	5
22	Mode conflict	P5	Flash	6

Table 1-2

Symptoms	Causes	Solution
Unit does not start	- Power failure. - Power switch is off. - Fuse of power switch may have burned. - Batteries of remote controller exhausted or other problem of controller.	- Wait for the comeback of power. - Switch on the power. - Replace the fuse. - Replace the batteries or check the controller.
Air flowing normally but completely can't cooling	- Temperature is not set correctly. - Be in 3 minutes protection of compressor.	- Set the temperature properly. - Wait.
Units start or stop frequently	- Refrigerant is too little or too much. - Air or no concentering gas in the refrigerating circuit. - Compressor is malfunction. - Voltage is too high or too low. - System circuit is blocked.	- Check leakage, and rightly recharge refrigerant. - Vacuum and recharge refrigerant. - Maintenance or change compressor. - Install manostat. - Find reasons and solution.
Low cooling effect	- Outdoor unit and indoor unit heat exchanger is dirty. - The air filter is dirty. - Inlet/outlet of indoor/outdoor units is blocked. - Doors and windows are open - Sunlight directly shine. - Too much heat resource. - Outdoor temp. is too high. - Leakage of refrigerant or lack of refrigerant.	- Clean the heat exchanger. - Clean the air filter. - Eliminate all dirties and make air smooth. - Close doors and windows. - Make curtains in order to shelter from sunshine. - Reduce heat source. - AC cooling capacity reduces (normal). - Check leakage and rightly recharge refrigerant.
Low heating effect	- Outdoor temperature is lower than 7°C - Doors and windows not completely closed. - Leakage of refrigerant or lack of refrigerant.	- Use heating device. - Close doors and windows. - Check leakage and rightly recharge refrigerant.



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