



## TROUBLE SHOOTING GUIDE

NO.	FAILURE CAUSE	ERROR CODE	OUTDOOR DISPLAY	SOLUTION
1	Indoor Ambient temperature sensor fault	E1	/	1.Check whether the sensor is in the right position and connected to PCB properly. 2.If position is right, then the sensor must be broken and need to be replaced
2	Outdoor coil temperature sensor fault	E2	/	1.Check whether the sensor is in the right position and connected properly. 2.If position is right, then the sensor must be broken and need to be replaced.
3	Indoor Evaporator temperature sensor fault	E3	/	1.Check whether the sensor is in the right position and connected to PCB properly. 2.If position is right, then the sensor must be broken and need to be replaced
4	Indoor fan motor feedback fault	E4	/	1.Check whether the wire of indoor fan motor are well connected. 2.Check whether the indoor fan motor work well or not. 3.If both Point 1and 2 are ok, then the indoor control box is broken.
5	Indoor & Outdoor communication fault	E5	Flash	1. Confirm whther the wire connection is correct. (the machine wire color match the terminal as brown to brown, blue to blue and black to black). If correct, move to step 2. 2. Check the outdoor main PCB board, to see if three lights on the outdoor PCB board flashes and the relay operates. If the lights do not flash and relay does not work, it is the power supply problem with the outdoor unit. If correct, move to step 3. 3. Connect the black signal wire S to outdoor terminal N. if "5E" is still there, the outdoor PCB board is broken, needs to be replaced. 4. If there is no problem with outdoor PCB board, check the indoor main PCB board, and replace it.
6	Indoor module (E2PROM) fault	E6	/	1. Check whether the indoor E2PROM bottom is welded with the board wrongly. 2. If point 1 is ok , then the E2PROM or control box may be broken,and need to replace a new one.
7	100Hz Zero-Crossing detection fault	E7	/	Commutate diode or transistors of indoor control box is broken, need to be repalced.
8	Sensor in comprssor top cover or relay protect fault	F0	/	1.Check the sensor or relay are in the right position, and connected to control board rightly. 2.Check the sensor or relay is ok or not. 3.If point 1 and 2 are all OK, then outdoor control board is broken,need to replace a new one.
9	Outdoor Ambient temperature sensor fault	F1	Flash 1 time, stop for 5 seconds	1.Check whether the sensor is in the right position and connected to control board rightly 2.If position is right, then the sensor is broken and need to be replaced
10	Discharge temperature sensor fault	F2	Flash twice, stop for 5 seconds	
11	Outdoor condensor sensor fault	F3	Flash 3 time, stop for 5 seconds	
12	Discharge temperature protection	F4	Flash 14 time, stop for 5 seconds	Fullfill the refrigerant (Maybe the refrigerant is less which result in the temperature too high)
13	Outdoor modular( E2PROM) fault	F5	/	1. Check whether the outdoor E2PROM bottom is welded with the board wrongly. 2. If point 1 is ok , then the E2PROM or control box may be broken,and need to replace a new one.
14	IPM modular fault	F6	/	Replace a new IPM electric board.
15	Bus current protection	F7	Flash 5 time, stop for 5 seconds	The indoor will show F7 when the current is too high. This is as self protection process. But if F7 shows frequently, then need to replace a new control box.
16	PFC modular fault	F8	/	Replace the electric board of PFC or the whole outdoor control box.