LED		lamp display		failure	The reason of fault and solution
code	explain	code	explain		
FF	display at on state	flicker 1/1 SEC		leakage	Check whether the system pressure is normal, if abnormal, should check whether there is leakage.
DF	display at on state	flicker 1/1 SEC		defrost indication	Normal, the defrost state is removed, it will return to normal condition automatically
F1	display at off state	flicker 1/1 SEC	display at on/off state	communication faults in the indoor and outdoor units	1: Check whether the connection of the indoor and outdoor units is correct. If not, please adjust and confirm again. 2: Check whether the inserter part of the PCB is loose, if it is, please fix and confirm again. 3. check whether the alternating current(voltage) of the outdoor PCB is normal, or whether the fuse is loosened or blew out. 4: With the DC pattern of the multimeter, please measure whether the voltage between the terminals S and N is 3-16V, if it's out of the range, please cut off the diode (30V) and test again. If the voltage keeps abnormal, replace the outdoor main board. 5. check whether the voltage of the DC PN is normal. The normal voltage should be around 310V. 6. check whether the electrolytic capacitor is convex or burned out. 7. check whether the 7805 is damaged 8. check whether the relative electronic components are burned out or loose weld by eyeballing. 9.If the above procedures cannot solve the problem, please change the outdoor whole set of the electric control boards.
F2	display at off state	flicker 1/1 SEC	display at on/off state	room temp. sensor fault	1、Check whether the resistance of the sensor is normal (the resistance is 5KΩ in the normal temperature 25℃), when it is abnormal the sensor should be replaced. 2、Check whether there is short circuit or open circuit in the wire of the sensor, and whether the plug is connected well, whether there is welding off or rosin joint on the electric control board, if there is any, it should be repaired. 3、 When the 1 and 2 are both normal, then the components or integrated circuit is damaged, the electric control board should be replaced.
F3	display at off state	flicker 3/5 SEC	display at on/off state	coil temp. sensor fault	1、Check whether the resistance of the sensor is normal (the resistance is 5KΩ in the normal temperature 25℃), when it is abnormal the sensor should be replaced. 2、 Check whether there is short circuit or open circuit in the wire of the sensor, and whether the plug is

					connected well, whether there is welding off or rosin joint on the electric control board, if there is any, it should be repaired. 3、 When the 1 and 2 are both normal, then the components or integrated circuit is damaged, the electric control board should be replaced.
F4	display at on/off state	flicker 4/6 SEC	display at off state	outdoor unit abnormal	1、Check whether the winding resistance and operation current of the compressor are normal. 2、Check whether the high and low pressure is normal when the unit is running. 4、 Check (whether the coil pipe sensor is normal) whether the contact of the inserter on the circuit board is well, the coil pipe temperature sensor is fixed, the evaporation of the indoor unit is well, the key is to check the evaporator temperature detected by the coil pipe temperature sensor has reached the cooling or heating temperature. 4、Check whether the surface of the condenser is too dirty, it should be cleaned when it is too dirty. 5、Check whether the capacitance of the outdoor motor and the fan is damaged, it should be replaced when it is damaged. 6、 If the above items are normal, the electric control board should be replaced.
F5	PG motor display at off state	flicker 5/7 SEC	display at off state	no feedback signal of indoor fan	1、Check whether two sets of plugs on the outlet end of the motor have loosed from the socket of the electric control board, insert it firmly when loosing. 2、Check whether the indoor motor has damaged, the motor should be replaced when it is damaged 3、Check whether the controllable silicon and other components on the electric control board have damaged, replace the controllable silicon or electric control board when they are damaged.
F6	PG motor display at off state	flicker 6/8 SEC	display at off state	no over zero signal	1、Firstly check whether the indoor fan is normal. 2、Check whether the signal outputting from the integrated chip of the electric control board is normal, the electric control board should be replaced when the signal is abnormal.
F7	display at off state	flicker 7/9 SEC	display at off state	outdoor feedback fault	1、Check whether the winding resistance and operation current of the compressor are normal 2、Check whether the high and low pressure is normal when the unit is running. 3、Check whether the indoor and outdoor wiring is right; when it is wrong, connect them again according to the circuit diagram 4、Check whether the contact of the inserter on the circuit board and the connection are well, otherwise

					repair. 5、Check whether the signal feedback wire is disconnected, replace or connect the feedback signal wire. 6、Check whether the supply power is phase-lacking or phase opposition. 7、Check whether the AC electromagnetic contactor is well. 8、If the above items are normal, the electric control board should be replaced.
F8	display at off state	flicker 8/10 SEC	display at off state	frost protection/over heat protection	1、Check whether the filter of the indoor unit is dirty or blocked, and clean if it is dirty. 2、Check whether the indoor fan is running normally, and replace the motor if it is abnormal. 3、Check whether indoor pipe temperature sensor is normal, and replace the sensor if it is abnormal. 4、Check whether the system pressure is normal, if abnormal, should check whether there is leakage, and fill the refrigerant again.