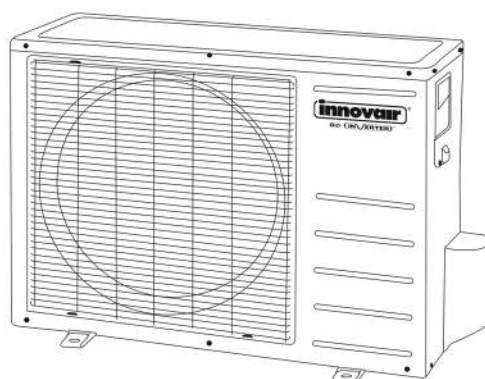
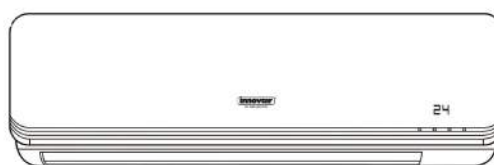




BIO-INVERTER TROUBLESHOOTING GUIDE



BIN1036C2V02
BIN1839C2V02



INVERTER MINI SPLIT SYSTEM

9. Troubleshooting

9.1 Indoor Unit Error Display

Display	LED STATUS
E0	EEPROM parameter error
E1	Indoor / outdoor units communication protection
E3	Indoor fan speed has been out of control
E5	Open circuit or short circuit of outdoor temperature sensor
E6	Open circuit or short circuit of room or evaporator temperature sensor
P0	IPM malfunction or IGBT over-strong current protection
P1	Over voltage or too low voltage protection
P3	Outdoor temperature is lower than 15 °C (optional function)
P4	Inverter compressor drive error

Note

P3: If the outdoor temperature $\leq -15\text{ }^{\circ}\text{C}$ for 1 hour, then the machine stops running, the indoor display shows the error code "P3". The unit can still receive remote control signals.

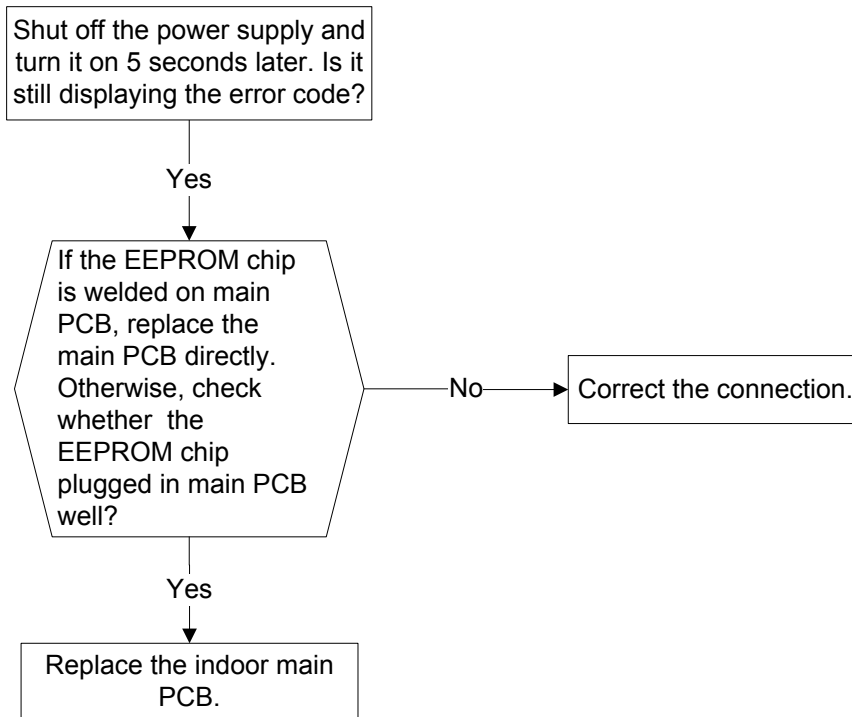
If the outdoor $\geq -12\text{ }^{\circ}\text{C}$ for 10 minutes, the compressor stops running more than one hour,

Or the outdoor temperature $\geq 5\text{ }^{\circ}\text{C}$ for 10 minutes, then AC will recover to the last mode and fan speed.

E4 : Reserved function.

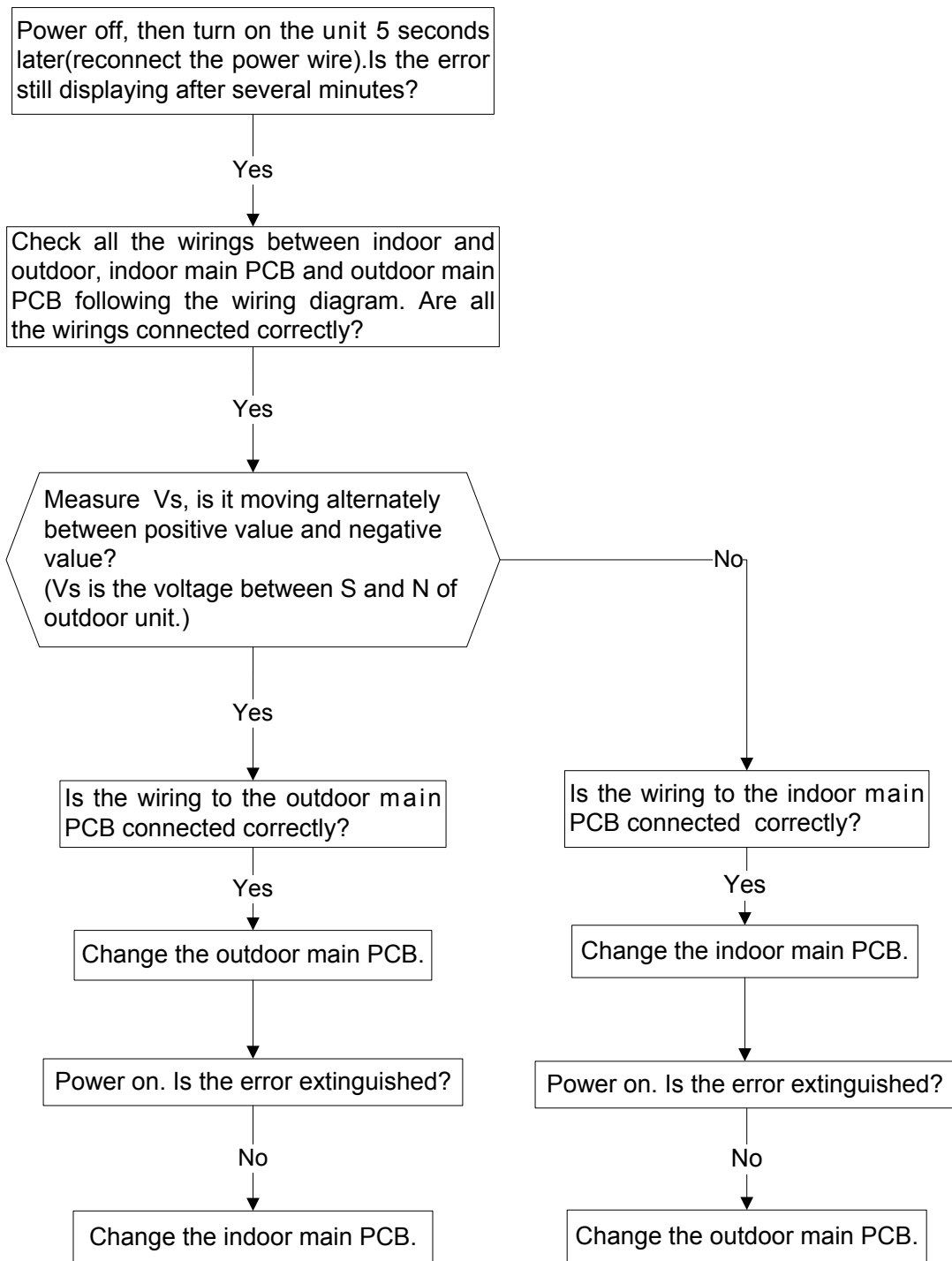
Diagnosis and Solution

EEPROM parameter error diagnosis and solution(E0)

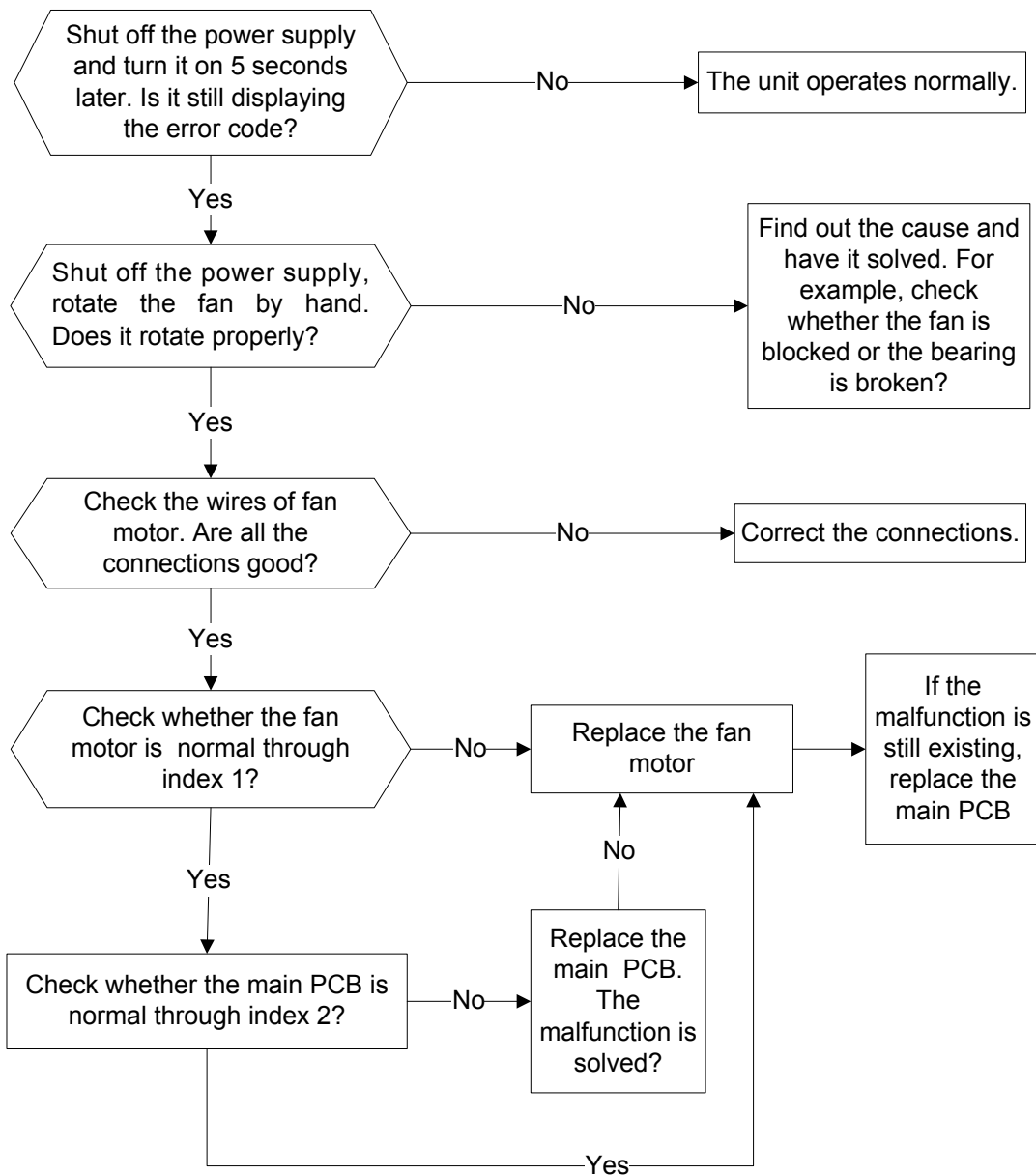


EEPROM: a read-only memory whose contents can be erased and reprogrammed using a pulsed voltage.

Indoor unit and outdoor unit communication protection error diagnosis and solution(E1)



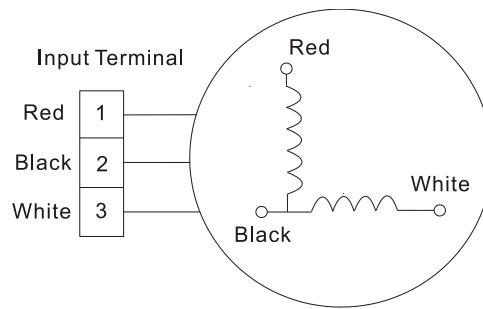
Indoor fan speed has been out of control diagnosis and solution(E3)



Index 1:

1. Indoor AC Fan Motor

Measure the resistance value of each winding by using the tester.

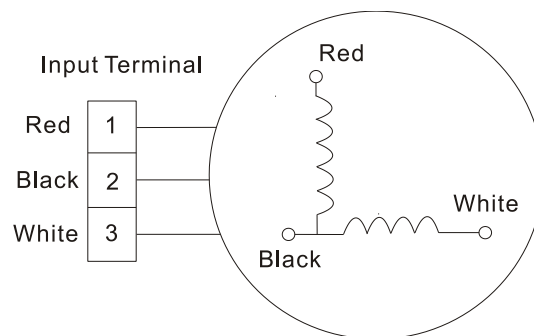


For the definite resistance value of the motor, please contact the technical engineer.

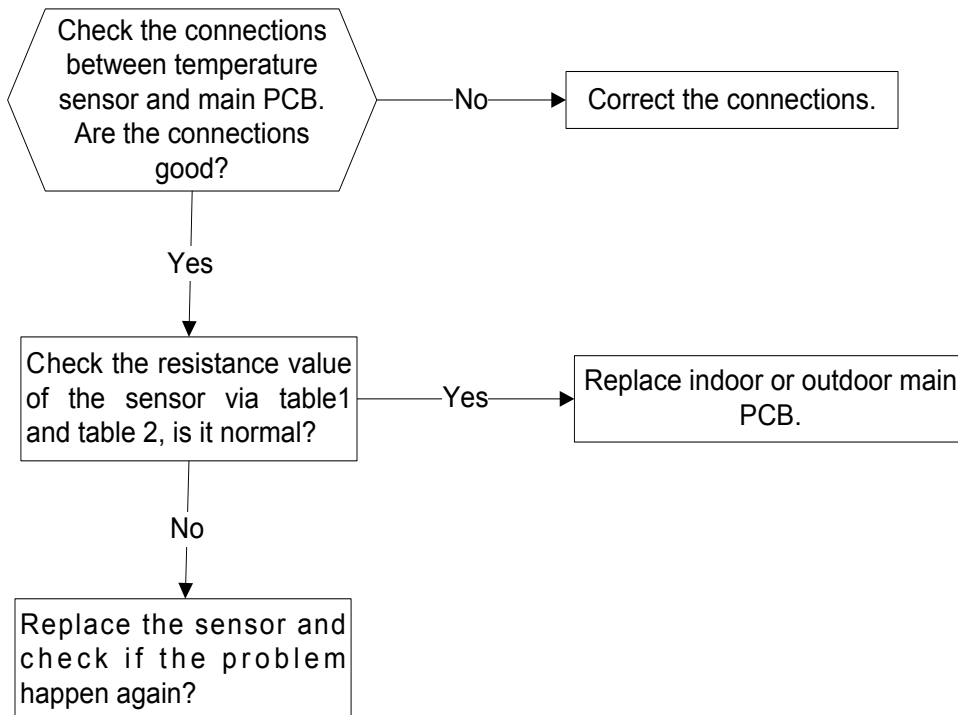
Index2:

1: Indoor AC Fan Motor

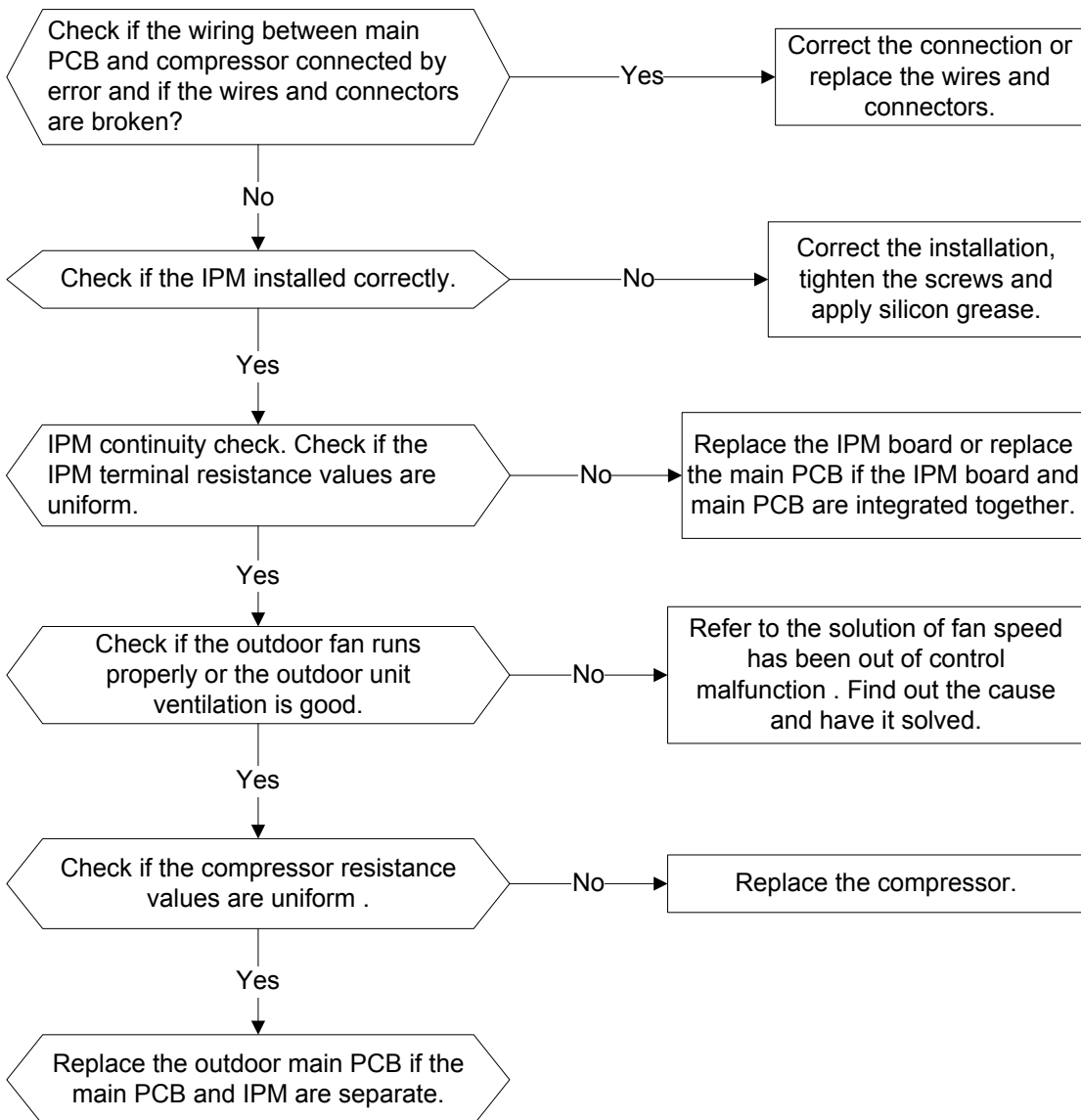
Power on and set the unit running in fan mode at high fan speed. After running for 15 seconds, measure the voltage of pin1 and pin2. If the value of the voltage is less than 100V(208~240V power supply)or 50V(115V power supply), the PCB must has problems and need to be replaced.



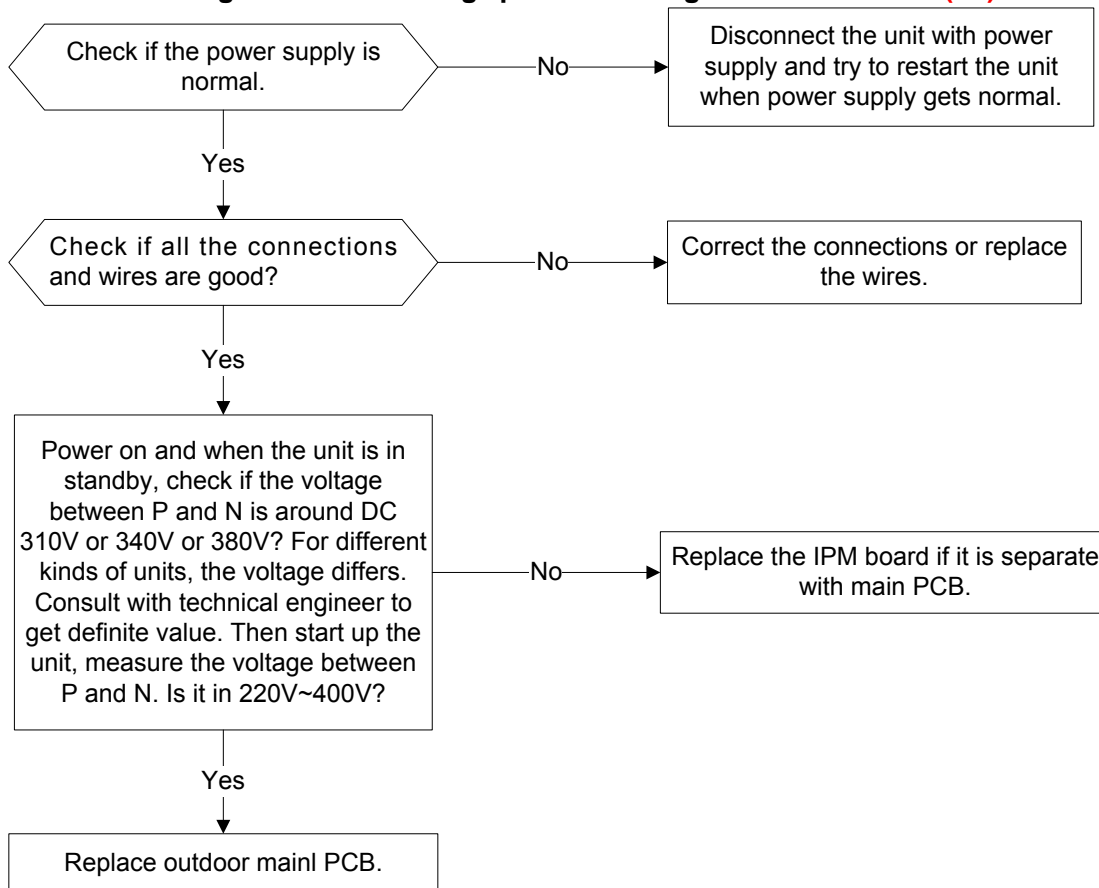
9.2.4 Open or short circuit of temperature sensor diagnosis and solution. (E5/E6)



9.2.5 IPM malfunction or IGBT over-strong current protection diagnosis and solution(P0)



9.2.6 Over voltage or too low voltage protection diagnosis and solution(P1)



9.2.7 Inverter compressor drive error diagnosis and solution(P4)

