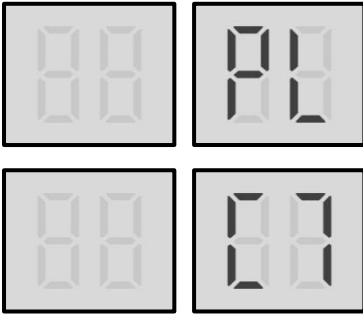


PL/C7 Troubleshooting

1 Digital display output



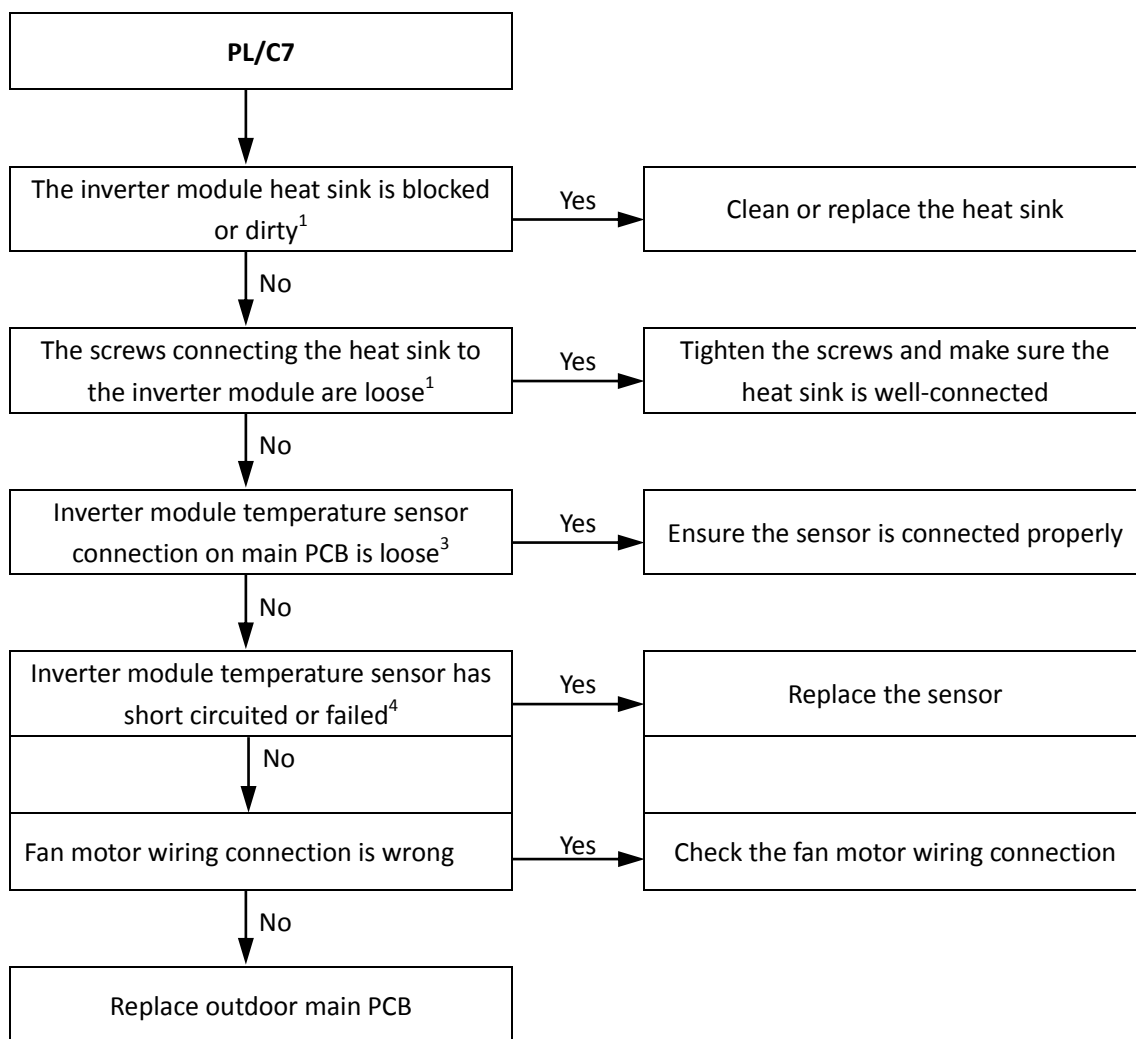
2 Description

- PL indicates inverter module temperature protection. When the main inverter module temperature rises above 82°C, the system displays PL protection and all the units stop running. When the inverter module temperature drops below 60°C, the compressor enters re-start control
- When a PL error occurs 3 times in 100 minutes, C7 will display, a manual system restart is required before the system can resume operation.
- Error code is displayed on the main PCB and user interface.

3 Possible causes

- Blocked, dirty or loose heat sink.
- Temperature sensor not connected properly or has malfunctioned.
- Fan motor wiring connection is wrong.
- Main PCB damaged.

4 Procedure



Notes:

1. Refer to "Outdoor Unit Electric Control Box Layout".
2. For 30kW and 60kW units, inverter module temperature sensor connection are ports CN3 and CN10 on the main PCB.
3. Measure sensor resistance. If the resistance is too low, the sensor has short-circuited. If the resistance is not consistent with the sensor's resistance characteristics table, the sensor has failed.