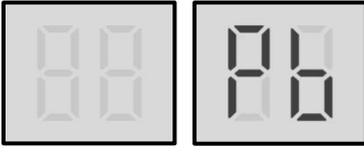


## Pb Troubleshooting

### 1 Digital display output



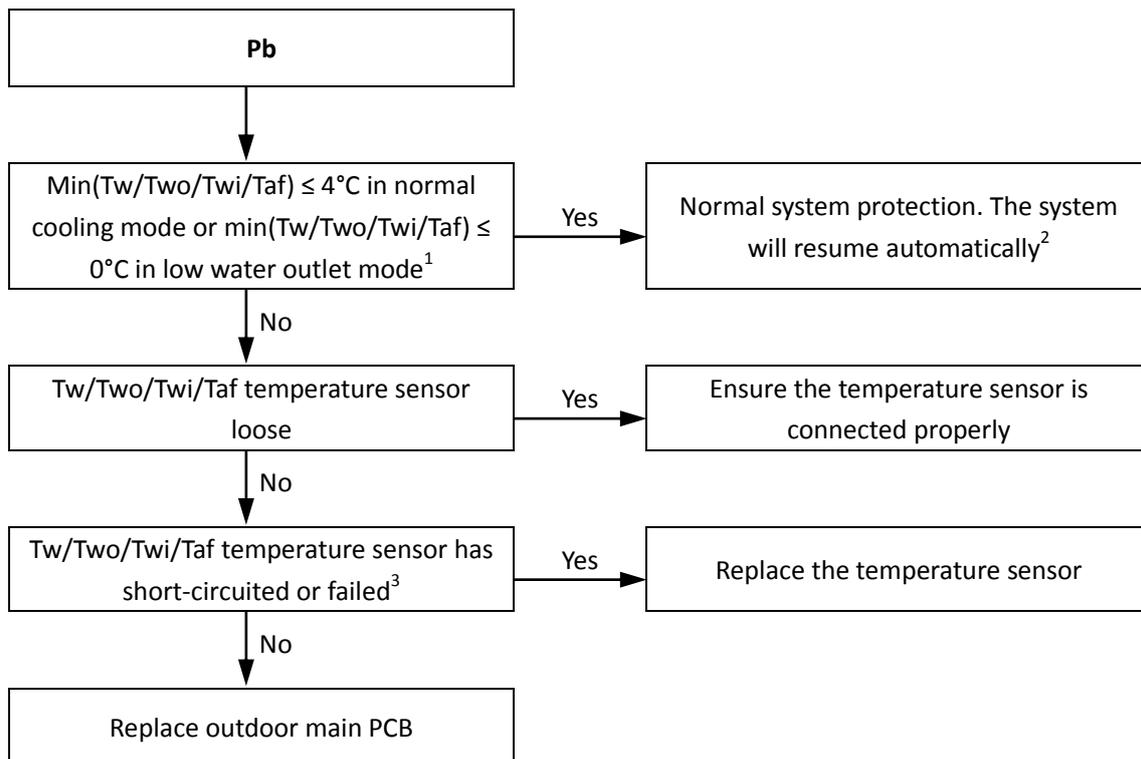
### 2 Description

- Water side heat exchanger anti-freeze protection.
- All units stop running.
- Error code is displayed on main PCB and **ANTI.FREEZE** icon is displayed on user interface.

### 3 Possible causes

- Normal system protection.
- Temperature sensor not connected properly or has malfunctioned.
- Main PCB damaged.

### 4 Procedure



#### Notes:

1. For 30kW and 60kW units, combined water outlet temperature sensor (Tw), Water side heat exchanger water outlet temperature sensor(Two), water side heat exchanger water inlet temperature sensor (Twi) and water side heat exchanger anti-freezing temperature sensor(Taf, include Taf1 and Taf2) connections are ports CN69 and CN31 on the main PCB.
2. Refer to "Water Side Heat Exchanger Anti-freeze Protection Control".
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. Refer to "Temperature Sensor Resistance Characteristics".