

ERROR CODE	MALFUNCTION OR PROTECTION	FAILURE CAUSE AND CORRECTIVE ACTION
Hd	Communication fault between hydraulic module parallel	<ol style="list-style-type: none"> 1.The signal wires of slave units and master unit are not effectively connected. After checking all signal wires are well connected, and making sure there is no strong electricity or strong magnetic interference, power on again; 2.There are two or more outdoor unit connected to the wired controller. After removing the excess wired controller and keep only the wired controller of the master unit, power on again; 3.The power-on interval between the master unit and the slave unit is longer than 2min. After ensuring that the interval between the power-on of all the master units and slave units is less than 2min, power on again; 4.The addresses of master unit and slave units are repeated: by pressing the SW2 button on main board once on slave units, the address code of the slave unit will be displayed on the digital tube (Normally address code, one of 1, 2, 3 ... 15 will be shown on main board), check whether there is a duplicate address. If there is a duplicate address code, after powering off the system, set the S4-1 to "ON" on master outdoor unit main board or the slave outdoor unit main board which display "Hd" error (refer to 10.2.1 FUNCTION SETTING). Power on again, all the units last for 5 minutes without "Hd" error, power off again and set the S4-1 to "OFF". The system will recover.
HE	Communication error between main board and thermostat transfer board	RT/Ta PCB is set to be valid on user interface but thermostat transfer board is not connected or the communication between thermostat transfer board and main board is not effectively connected. If thermostat transfer board is not needed, set the RT/Ta PCB to invalid. If thermostat transfer board is needed, please connect it to main board and make sure the communication wire is connected well and there is no strong electricity or strong magnetic interference.
PS	Tw_out - Tw_in value too big protection	<ol style="list-style-type: none"> 1. Check that all shut off valves of the water circuit are completely open. 2. Check if the water filter needs cleaning. 3. Refer to "9.5 Filling water" 4. Make sure there is no air in the system (purge air). 5. Check the water pressure. The water pressure must be >1 bar (water is cold). 6. Check that the pump speed setting is on the highest speed. 7. Make sure that the expansion vessel is not broken. 8. Check that the resistance in the water circuit is not too high for the pump. (refer to "10.4 The circulation pump").
Pb	Anti-freeze mode	Unit will return to the normal operation automatically.
PP	Tw_out - Tw_in unusual protection	<ol style="list-style-type: none"> 1. Check the resistance of the two sensor. 2. Check the two sensors locations. 3. The water inlet/outlet sensor wire connector is loosen. Reconnect it. 4. The water inlet/outlet (TW_in / TW_out) sensor is broken, Change a new sensor. 5. Four-way valve is blocked. Restart the unit again to let the valve change the direction. 6. Four-way valve is broken, change a new valve.

CAUTION

In winter, if the unit has E0 and Hb failure and the unit is not repaired in time, the water pump and pipeline system may be damaged by freezing, so E0 and Hb failure must be repaired in time.