

# Control system alarming information

alarming information position

When some problems occur requiring users' attention, the alarming information will be displayed on the control panel. If several problems occur at the same time, the alarming info will be displayed in turn. The info will be displayed with white background and red words. Below is the display state of some examples:



PB553/PB555 alarming display position



PB554 alarming display position

Below is the control system alarming information detailed analysis:



## SYSTEM SETTINGS ERROR

**F9:SYSTEM SETTINGS  
ERROR**

Reason: after power connection, the system reads its configuration verification to be incorrect from EEPROM (main board memory).  
Action: please disconnect the power and wait for 10 seconds to repower the system. If the problem remains, please contact technical support.

## TEMPERATURE IS TOO HIGH

**F3:TEMPERATURE IS  
TOO HIGH**

Reason: the system detects temperature sensor's temperature being too high. This can happen when the heater is on, and there is no water in the heating pipe or the water flow is too slim.  
Action: please ensure there is water in the SPA tub. If the problems occur frequently, please contact technical support.

# Control system alarming information

alarming information analysis

## TEMPERATURE IS TOO LOW

**F4:TEMPERATURE IS  
TOO LOW**

Control system detects temperature from temperature sensor's being too low. Please pay attention to freezing problem.

## AUTO-RESET THERMOSWITCH OPEN

**F5:AUTO-RESET  
THERMOSWITCH OPEN**

Reason: when the auto-reset thermo switch on the heating pipe is open, it indicates that the heating pipe temperature is too high. This may happen when heater is started and there is no water in heating pipe or water flow is too slim. Action: Please ensure there is water in the SPA tub. If the problem occurs frequently, please contact for technical support.



## MANUAL-RESET THERMOSWITCH OPEN

**F6:MANUAL-RESET  
THERMOSWITCH OPEN**

← The manual-reset thermo switch is open on the heating pipe. This indicates the heating pipe temperature is too high. Please contact technical support.

## TEMPERATURE SENSOR DISCONNECTED

**F1:TEMPERATURE SENSOR  
DISCONNECTED**

← Control system detects the temperature sensor is disconnected. Please check the connection of temperature sensor to the system. And replace it with a new one if necessary.

## TEMPERATURE SENSOR SHORTCIRCUIT

**F2:TEMPERATURE SENSOR  
SHORTCIRCUIT**

Control system detects the temperature sensor is short circuited. Please check the temperature sensor and its connection, replace it with a new one if necessary.

## EEPROM(MEMORY) ERROR

**F8:EEPROM(MEMORY)  
ERROR**

After power connection, the control system detects problem with EEPROM (main board memory). Please disconnect the power and wait for 10 seconds to repower the system. If the problem remains, please contact technical support.