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

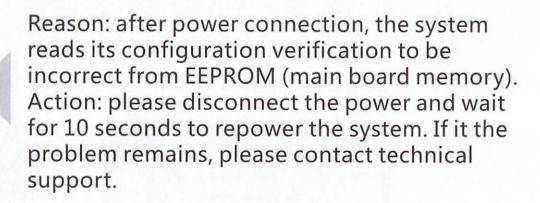


PB554 alarming display position

Below is the control system alarming information detailed analysis:

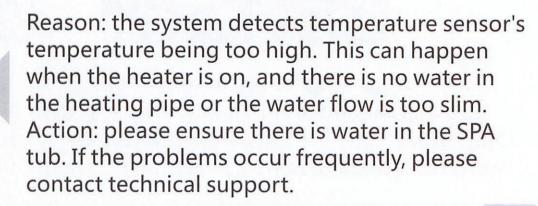
### SYSTEM SETTINGS ERROR

F9:SYSTEM SETTINGS ERROR



#### **TEMPERATURE IS TOO HIGH**

F3:TEMPERATURE IS
TOO HIGH



### **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.