Introduction:

Thank you for purchasing a Spa Power 750 spa control system. This is Spa-Quip's mid range spa controller. It includes many of the best features from our top of the line models and some new features of its own, all in a very cost effective package.

Quick operating instructions:

(1) Pump Button:
The default state is off. Two pushes on this button cycle the main hydro jet pump as follows.
Push 1 = Pump on.
Push 2 = Pump off. (back to default state).
Jet pump operation is indicated by the Hydro light.
If left on, the pump will switch off by itself 20 minutes after the last push of the pump, aux or light buttons. In some installations using the pump will cause the heater to switch off (loadshedding). This is in order to keep the total current used to a safe level.
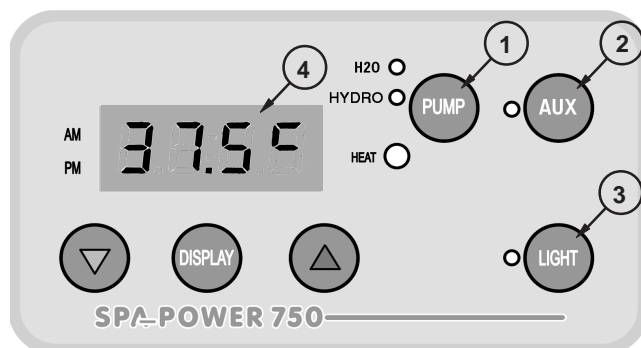
Heat Light:
This light indicates when the heater is on. The heater is controlled automatically to maintain the target pool temperature selected by the user and operates independantly of the pump button.

H2O (water) Light:
This light indicates if water is present in the heater. If no water is detected then the light will flash and the unit will not operate except to run the circulation pump to try to get water to the heater. If no water reaches the heater for one minute then an H2O error will occur. If this happens then pushing the pump button will run the circulation pump to try again.

24 Hour Circulation Pump Output:
This is the small pump that circulates water through the filter and heater. It is normally on all the time and so no user control or indication is provided. It only switches off if the system enters an error condition.

Ozone Control:
The Ozone control channel is completely automatic and no user controls are necessary. It is configured for a 24 hour ozone system. The ozone generation is only switched off while the pool is in use and comes on again automatically 30 minutes after the last push of the pump, air or light buttons.

(2) Auxiliary Air or Jets Button:
The default state is off.
Two pushes of this button cycle the output as follows.
Push 1 = Output on.   Push 2 = Output off.
If left on, this accessory will automatically switch off 20 minutes after the last push of the pump, aux or light buttons. In some installations using this accessory will cause the heater to switch off (loadshedding). This is in order to keep the total current used to a safe level.

(3) Light Button:
The default state is off. Pushing this button controls the light as follows.
Push 1 = Light on high.
Push 2 = Light on low (if dimmable light is enabled).
Push 3 = Light off.
If left on, the light will switch off by itself 30 minutes after the last push of the pump, aux or light buttons.

(4) Digital Display & Controller Settings:
In normal operation the display can show three different parameters. These are...
1) Sensed pool temperature (not adjustable)
2) Target pool temperature (adjustable)
4) Current time of day (clock) (adjustable)

The Display button cycles the LCD display through these quantities. The display normally automatically returns to Sensed pool temperature after a few seconds but the Time of day (clock) display can be made to stay on the display by first selecting it using the display button and then pushing the up and down buttons simultaneously.

To adjust the controller settings first select the setting of interest using the Display button and then adjust it by pressing and holding the Up or Down button. There is a slight delay before the Up or Down buttons work in order to reduce the risk of accidental adjustment.

The different quantities can be recognised by the format of the display as shown here...

`26.5 C`
Sensed Pool Temperature

`37.0 C`
Target Pool Temperature (point flashing)

`10:45`
Time Of Day (colon flashing)

Note: The time of day will need to be set the first time the unit is used or if it has been off for a long time.

IMPORTANT:
Before using, check that the spa pool has been connected to a suitable weather protected supply equipped with a double pole isolating switch, which is of the correct rating and complies with the local wiring regulations.

When installing refer to your local wiring code. In particular refer to ECP 2 and ECP 25 (AS / NZ). and EN 60364-4-1 and EN 60364-7-1 (EU). The system must be installed in such a way that live parts are not accessible by a person in the pool. This appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.

Self Diagnostic Error Codes:

The Spa Power 750 controller has extensive self diagnostic capabilities. In the event of a problem it will sound an alarm and indicate an error number according to the nature of the problem. The alarm can be muted by pushing the Light button. The error numbers and their meanings are listed below.

Error 1 (H2O) = PRIME FAILED

This is a special case. It is not necessarily a problem with the Spa Power 750 itself but indicates that no water is being detected in the heater. A push of the pump button will run the circulation pump for one minute to try to get water to the heater. If successful normal operation will resume. If unsuccessful Error 1 (H20) will be indicated again.

Error 2 is not used.

Errors 3-8 are latching errors.

Operation will stop and will not continue until the controller is reset (switched off and on again at the main power).

Error 3 = STUCK BUTTON

This error indicates that one of the buttons in the control panel is stuck or has been held down for more than four minutes. This may be caused by water getting into the panel or by damage to the control panel or its cable.

Error 4 = NO WATER SENSOR

This error indicates a problem with the optical water sensor in the heater. It may be caused by the sensor being disconnected or by damage to the sensor.

Error 5 = OVERTEMPERATURE

This error indicates that the digital temperature sensor in the pool has detected a temperature of 43°C or more. This is not necessarily a problem with the Spa Power 750 itself. It might be caused by continuous pump running during hot weather. In this case remove the pool cover at night to cool the pool. (Ensure the pool is fenced for safety reasons).

Error 6 = THERMAL CUT OUT TRIPPED

This error indicates that the safety electromechanical over temperature cut out on the heater has operated. This is not necessarily a problem with the Spa Power 750 itself. It might be caused by high temperatures during shipping or by disconnection or failure of the pump. This error can be cleared by waiting for the heater to cool below about 38°C and switching the power off and on again.

Error 7 = STUCK RELAY

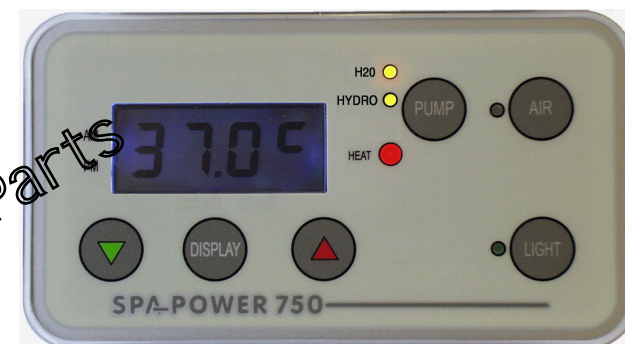This error indicates a problem with the heater control circuitry inside the unit.

Error 8 = NO TEMPERATURE DATA

This error indicates a problem with the digital temperature sensor in the pool. It might be caused by the sensor being disconnected or by damage to the sensor or its cable.

SPA-QUIP

Dealer Stamp: