SMART WINTER MODE/FREEZE PROTECTION: Onboard temperature sensors continuously monitor water and air temperature. If the temperature inside the control box falls below 59°F, the system will start a special program (Smart Winter Mode) to circulate the water in the plumbing. For the next 24 hours, the components will be automatically operated for a period of 1 minute every 2 hours to thoroughly circulate the water throughout the spa. The time between the 1-minute operations will steadily decrease as the air temperature inside the control box drops. If the water temperature sensor falls below 49°F the heater will be activated to maintain a temperature above freezing (Freeze Protection). The Filtration Icon in the upper display will be flashing when the system has entered either safety mode. While in freeze mode, the functions of the unit (except the alarms) are disabled. Note: If your area experiences electrical power outages and the climatic conditions could result in freezing of the water, we suggest that you contact your local dealer for assistance in proper drainage and winterizing of your spa to avoid any damage that may occur from freezing temperatures.

PRESSURE SWITCH: To assure proper heater operation, a water pressure switch has been installed to monitor the system. If 3 flashing dots appear below the temperature in the LED window, this indicates the need for system service. Refer to the advanced troubleshooting guide available from your spa retailer or contact a service technician to correct the problem.

HIGH TEMPERATURE PROTECTION: If the water temperature exceeds 119°F, the heater will be turned off and the High-Limit temperature protection circuit will display 3 flashing dots below the temperature in the LED window. Once the water has cooled below 110°F power to the system must be turned off then back on to allow the system to reset. If this condition persists refer to the advanced troubleshooting guide available from your spa retailer or contact a service technician to correct the problem.

TEMPERATURE SENSOR: To assure proper temperature maintenance, a temperature probe has been incorporated into the system. If you notice the displayed temperature greatly differs from the actual water temperature or if 32°F is displayed and the correct water temperature is much higher this indicates the need for system service. Refer to the advanced troubleshooting guide available from your spa retailer or contact a service technician to correct the problem.
Low Level (Jumper) Programming at the Printed Circuit Board has changed:

Jumper #1 (Current Limiting):

**Position 1** – This sets the system for non-restricted operation. Heater will continue to be engaged while pump high speed or blower are running. Recommended for 240V input power only.

**Position 2** – This set the system for restricted operation. Heater will be turned off while pump high speed and/or blower are activated. Recommended for 120V input power.

Jumper #2 (Single or Dual Speed Pump Operation):

**Position 1** – This sets the system for Dual Speed pump operation.

**Position 2** – This set the system for Single Speed pump operation.

Jumper #3 (Filtration Cycle Default):

**Position 1** – In the case of a power outage or upon initial start up, this sets the system for a 60 minute filtration cycle once a day.

**Position 2** – In the case of a power outage or upon initial start up, this sets the system for a 180 minute filtration cycle twice a day.

**ADDITIONAL PROGRAMMING:** To set temperature unit (°F or °C) press and hold the light key for 5 seconds. This will switch the system to the temperature that you prefer. Once the selection has been made simply wait until the spaside control reverts back to the temperature mode.