

## 1 Pump Control Reference Card

### Start-up

When first powered up touch the Jet/Light Button twice to activate the pump, your spa tub will automatically heat and maintain 100°F (38°C) until you change the set temperature. For Temperature Adjustment Press the pad to display the temperature previously set. Pressing the pad a second time will cause the set temperature to increase or decrease depending on what direction was last chosen. Each successive press will change the set temperature in the same direction. If the opposite direction is desired, release the pad and let the display revert to the actual water temperature again. Press the pad to display the set temperature, and again to make the temperature change in the desired direction.



### Light and Jets Control

Touch the pad once to turn on the spa light. Touch the pad again and the light and low-speed pump will be on. Press the pad a third time and the light and the high speed pump will be on. Press the pad again to turn the light and high-speed pump off. The light and pump will automatically turn off after some period of operation. The low-speed pump starts automatically when the heater is turned on.

If automatically activated by the heating mode or filter cycle, the low-speed pump cannot be turned off with the function pad until the spa water is at desired temperature or the filter cycle is complete; however, the high-speed pump may be started.

If the spa has the LED light option the Light Modes will change as you toggle through the Jet & Light button functions. See a chart elsewhere in this manual for the actual Mode Changes.

\*Note: This spa pack in some applications may not heat with the pump on high speed.

### Preset Filter Cycles

Your spa will automatically filter itself twice a day. The first filter cycle will start one minute after the spa tub is powered up. The second filter cycle will begin twelve hours later. Filter cycle duration is preset for 2 hours every 12 hours and is switchable to 5 hours every 12 hours by moving a jumper on the spa control board. Two hours every 12 hours is recommended and is normally plenty of filtration for any application.

### Freeze Protection

If the spa is powered and the high-limit sensor detects 40°F (4°C) at the heater, then the pumps automatically activate to provide freeze protection. The equipment stays on until the sensor detects 45°F (7°C) at the heater. Freeze protection is enabled regardless of spa status. In colder climates, an optional additional freeze sensor may be added to protect against freeze conditions.