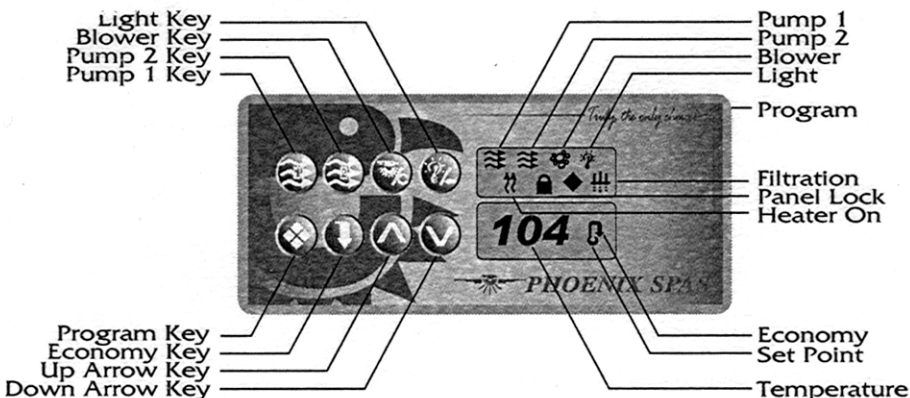


# ST-1 SPASIDE REMOTE CONTROL PANEL



PRINTED ON WATER RESISTANT PAPER



**Pump 1 Key:** Press this key once to turn pump 1 onto low speed, press this key a second time to turn pump 2 onto high speed, a third press will turn pump 1 off. A built-in timer will turn pump 1 off after 20-minutes of continuous operation unless done so manually. The Pump 1 icon will appear during pump operation flashing in low speed and solid in high speed. If the Filtration indicator is illuminated, a filtration cycle has begun and the pump cannot be turned off.



**Pump 2 Key:** Press this key once to turn pump 2 onto low speed, press this key a second time to turn pump 2 onto high speed, a third press will turn pump 2 off. A built-in timer will turn pump 2 off after 20-minutes of continuous operation unless done so manually. The Pump 2 icon will appear during pump operation flashing in low speed and solid in high speed.



**Blower/List Key:** Press this key to turn the blower on and off. If equipped with a multiple speed blower; press this key once to turn the blower onto high speed, a second press will change the blower to low speed, a third press will turn the blower off. A built-in timer will turn the blower off after 20-minutes of continuous operation unless done so manually. The Blower icon will appear solid in high speed and flashing in low speed.




**Light Key:** Press this key to turn the light onto high intensity, a second press will turn the light to low intensity and a third press will turn the light off. The light will automatically shut off after 2-hours. If equipped with Fiber Optics: Press this key once, "L1" will appear. Press the Light key a second time, "F1" will appear. Use the Up Arrow key to choose color wheel and light on, color wheel off and light on, and both off. The light circuit will automatically shut off after 2-hours. The Light icon will appear while the light is on.




**Temperature Set Keys:** Press and hold either the up or down arrow keys to either increase or decrease the temperature. The temperature can be adjusted in 1°F increments from 59°F to 104°F (5°C to 40°C). When adjusted, the new setting will remain on the display for 5-seconds to confirm the change. During this time the Set Point icon will appear to note that this is the set temperature and not the actual temperature. After 5-seconds the display will revert back to the current temperature reading. When the spa water temperature falls 1°F below the set temperature the pump and heater will be turned on until the temperature rises to 1°F above the set temperature. The Heater On icon will appear when the heater is on.

**Freeze Protection:** If the spa water temperature drops below 59°F the "Smart Winter Mode" will be activated for a period of 24-hours. If the pump has not been activated in the last 2-hours it will be turned for a period of 1-minute. This frequency will decrease as the temperature drops. If the spa water temperature drops to 49°F the pump and heater will be activated until the spa water temperature reaches 50°F. While in this second mode of freeze protection, control over the spa will be disabled until the water has heated sufficiently. The Filtration indicator will be illuminated while in this mode of operation.

 **Filter Cycle Start Time & Duration:** The filter cycle will activate daily to keep the spa water clean and sanitary. The filter cycle icon will appear in the display window while the filtration mode is active. The filter cycle begins with a 1-minute purge of pump 2 (if applicable) and the blower. Pump 1 will be turned on in low speed for the duration of the filter cycle.

To program filtration, press and hold the Program key for approximately 5-seconds, the current setting will appear as "F" followed by 0 (no filtration) to 12 (always on) hours per cycle. Use the up & down arrow keys to either increase or decrease the duration of the filter cycle. Once the filtration cycle has been programmed, press the Program key to enter the new setting.

 **Economy Mode Key:** Press this key to switch between Economy Mode and Normal operation. The **Normal Mode** will automatically maintain the spa water temperature at the desired set point. If the set point has not been programmed, the temperature will remain at 95°F. This mode is recommended for users who want the spa available 24-hours a day. The **Economy Mode** will maintain the spa water temperature at 20°F below the set point until manually removed from this mode. This mode is recommended for users who occasionally use their spa with a minimal heat-up time required. The Economy icon will

## Error Identification & Service



If 3 flashing dots appear below the temperature display an error and a need for service has occurred. (Contact Your Local Dealer for Service)



If the actual spa water temperature greatly differs from the displayed temperature or the display reads a constant 33°F, a temperature sensor error and a need for service has occurred. (Contact Your Local Dealer for Service)



If 3 flashing dots appear below the temperature display and the temperature displayed is 112°F or higher, an over temperature condition and a need for service has occurred. (Contact Your Local Dealer for Service)

**NOTE:** If you notice the pump(s) coming on for seemingly no reason throughout the day, the system may be in "Smart Winter Mode". If you cannot control some functions of the spa be sure to check to see if the Filtration icon is flashing. The spa may be in the midst of a filtration cycle. Freeze Protection and Over temperature condition will also limit or disable spa functions.