

TSPA-1 SPA PACK



The **Quick Reference Card** provides a quick overview of your spa's main functions and the operations accessible with your digital control pad.

Starting Pump 1:




Press **Pump 1** key to turn Pump 1 on at low speed. Press a second time to turn pump to high speed. A third time turns pump off. A built-in timer automatically turns pump off after 20 minutes, unless it has been manually deactivated.

 The "Pump 1" icon lights up when Pump 1 is on at high speed. It flashes when pump is on at low speed.

Starting Pump 2:




Press **Pump 2** key to turn Pump 2 on at low speed. Press a second time to turn pump to high speed. A third time turns pump off. A built-in timer automatically turns pump off after 20 minutes, unless it has been manually deactivated.

 The "Pump 2" icon lights up when Pump 2 is on at high speed. It flashes when pump is on at low speed.

Turning the light on:



Press **Spa Light** key to turn light on at high intensity. Pressing a second and a third time reduces light intensity. A fourth time turns light off. A built-in timer automatically turns light off after 2 hours, unless it has been manually deactivated.

 The "Light" icon lights up when light is on at high intensity. It flashes when light is on at medium or low intensity.

If your spa is equipped with an optional fiber box, press **Spa Light** key once to turn fiber box (motor & light) on. Press a second time to turn fiber box motor off and leave light on. A third time turns both fiber box motor & light off. A built-in timer automatically turns fiber box off after 2 hours, unless it has been manually deactivated. The "Light" icon lights up when fiber box light is on. It flashes when both fiber box motor & light are on.

Setting water temperature:



Use **Warm** or **Cool** arrow key to regulate water temperature. The temperature setting will be displayed for 5 seconds to confirm your new selection.

 The "Set Point" icon indicates the desired temperature, NOT the current water temperature!

Water temperature can be adjusted by 1-degree increments from 59 to 104°F (15 to 40°C).

Economy mode:



Press **Econo.** key to override the Economy mode programming (see overleaf). The override will last until midnight.

 The "Economy Mode" icon lights up when the system is in Economy mode.

Automatic water heater start:

When water temperature is 1°F (0.5°C) lower than the Set Point, the heater will automatically turn on until water temperature reaches Set Point plus 1°F (0.5°C).

 The "Heater" icon lights up when the heater is on.

Temperature display:

In normal mode operation, the display alternates between the hourly time and current water temperature. Display toggles every 5 seconds.

TROUBLESHOOTING



Pumps have started up for one minute on several occasions and "Filter Cycle" icon is flashing.

Not a bug but a feature!

Our **Smart Winter Mode** protects your system from the cold by turning pumps on for one minute several times a day to prevent water from freezing in pipes.



3 flashing dots are displayed.

A problem has been detected.

Do not enter the water! Check and open water valves. Clean filters if necessary. Check water level. Add water if needed.

Shut power off and power your spa up again to reset the system.

Call your dealer or service supplier if problem persists.



Water temperature is flashing.

Water temperature in the spa has reached 112°F (44°C).

Do not enter the water! Allow the water to cool down. The system will reset itself when water reaches 109°F (43°C).

Call your dealer or service supplier if problem persists.



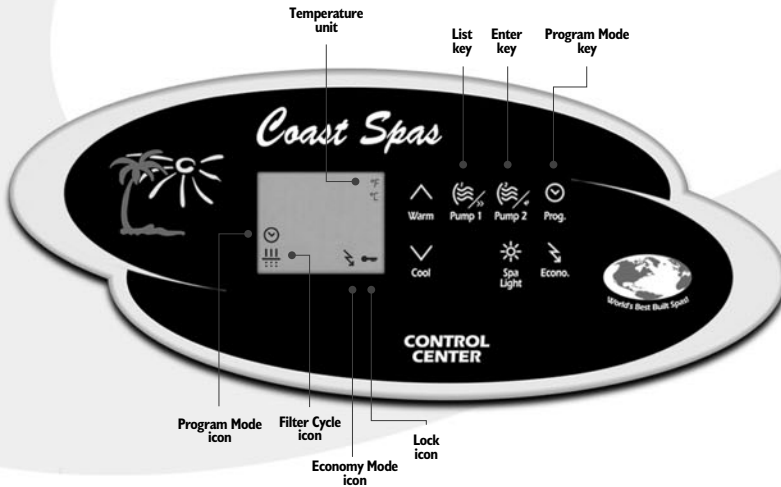
Filter cycle stops and "Filter Cycle" icon is flashing.

Not a bug but a feature!

To prevent excessive water temperature caused by too long filter cycles, the system will cancel a filter cycle after 3 hours if water temperature exceeds Set Point by more than 2°F (1°C).

The display is flashing.

A power failure has occurred. Press any key to reset the system. After a long power failure, you may have to re-adjust the time.



Filter cycle start time & duration

The system automatically performs two filter cycles per day, at 12-hour intervals. During a filter cycle, Pump 2 runs for one minute then Pump 1 runs at low speed for the programmed number of hours. The ozonator is also activated and "Filter Cycle" icon is on.

To program a filter cycle, you must enter two parameters: the start time of the cycle and its duration. If no filtering is required, the duration must be set to "OFF". If continuous filtering is required, the duration must then be set to "12:00".

To set the start time of the cycle:

- 1- Enter the programming mode by pressing the **Prog.** key.
- 2- Select the **Filter cycle start** parameter by pressing the **List** key until "Flon" is displayed.
- 3- Press **Enter** key to display the current setting.
- 4- Use **Warm** or **Cool** arrow key to change setting.
- 5- Press **Enter** key to confirm the new setting.

The spa side control will return to normal mode.

To set the duration of the cycle:

- 1- Enter the programming mode by pressing the **Prog.** key.
- 2- Select the **Filter cycle duration** parameter by pressing the **List** key until "Fidu" is displayed.
- 3- Press **Enter** key to display the current setting.
- 4- Use **Warm** or **Cool** arrow key to change setting.
- 5- Press **Enter** key to confirm the new setting.

The spa side control will return to normal mode.

Temperature unit

Water temperature can be displayed in °F or °C.

To select the temperature display unit:

- 1- Enter the programming mode by pressing the **Prog.** key.
- 2- Select the **Temperature unit** parameter by pressing the **List** key until "Tu" is displayed.
- 3- Press **Enter** key to display the current setting.
- 4- Use **Warm** or **Cool** arrow key to change setting.
- 5- Press **Enter** key to confirm the new setting.

The spa side control will return to normal mode.

Keypad lockout

This function allows you to prevent unauthorized parameter setting of the unit. The basic functions of the spa will remain accessible (pump and light outputs) but it will be impossible to change the temperature Set Point, to override the Economy mode or to enter the programming mode.

When the keypad is locked, the "Lock" icon will be displayed.

To lock the keypad:

- 1- Enter the programming mode by pressing the **Prog.** key.
- 2- Select the **Keypad lockout** parameter by pressing the **List** key until "Loc" is displayed.
- 3- Press **Enter** key to display the current setting.
- 4- Use **Warm** or **Cool** arrow key to change setting.
- 5- Press **Enter** key to confirm the new setting.

The spa side control will return to normal mode, with keypad locked, and the "Lock" icon will be displayed.

To unlock the keypad:

- 1- Enter the programming mode by pressing the **Prog.** key. "Loc" is displayed.
- 2- Press **Warm** arrow key.
- 3- Press **Pump 1** key.
- 4- Press **Spa Light** key.

The "Lock" icon will disappear and the spa side control will return to normal mode.

If the unlock process takes more than 15 seconds, the spa side control will return to normal mode but the keypad will remain locked.

Inverted display

A simple key press sequence inverts the display to make it readable from inside or outside the spa. To invert the display:

- 1- Press **Prog.** key. The "CL" message will be displayed.
- 2- Press **Spa Light** key. The "CL" message will disappear and the display will be inverted. The "°F" or "°C" icon will not be displayed.

Parameter summary



CL	Time of day
Flon	Filter cycle start
Fidu	Filter cycle duration
ECon	Economy mode start
ECdu	Economy mode duration
Tu	Temperature unit (°F or °C)
Loc	Keypad lockout

Economy mode start time & duration

The Economy mode allows you to lower the temperature Set Point of the spa by 20°F (11°C) during a certain period of the day. When in Economy mode, the "Economy Mode" icon is displayed.

To program the Economy mode, you must enter two parameters: the start time and the duration. If the Economy mode is not required, the duration must be set to "OFF".

You can manually override the current Economy status (on or off) for the rest of the day by pressing the **Econo.** key.

To set the start time of the Economy mode:

- 1- Enter the programming mode by pressing the **Prog.** key.
- 2- Select the **Economy mode start** parameter by pressing the **List** key until "ECon" is displayed.
- 3- Press **Enter** key to display the current setting.
- 4- Use **Warm** or **Cool** arrow key to change setting.
- 5- Press **Enter** key to confirm the new setting.

The spa side control will return to normal mode.

To set the duration of the Economy mode:

- 1- Enter the programming mode by pressing the **Prog.** key.
- 2- Select the **Economy mode duration** parameter by pressing the **List** key until "ECdu" is displayed.
- 3- Press **Enter** key to display the current setting.
- 4- Use **Warm** or **Cool** arrow key to change setting.
- 5- Press **Enter** key to confirm the new setting.

The spa side control will return to normal mode.

Time of day

This function allows you to set the internal clock of the system. The unit will keep time in memory for about 48 hours in case of power failure.

To set the time:

- 1- Enter the programming mode by pressing the **Prog.** key. The "CL" message is displayed.
- 2- Press **Enter** key to display the current setting.
- 3- Use **Warm** or **Cool** arrow key to change setting.
- 4- Press **Enter** key to confirm the new setting.

The internal clock will be adjusted and the spa side control will return to normal mode.

Service message

Every 8,000 hours of use, the spa will display a "SER" message that will indicate that it is time for your spa check-up. To reset the message, press **Spa Light** key for 5 seconds.