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** to turn Pump 1 on at low speed. Press a second time to turn Pump 1 to high speed. A third time turns Pump 1 off. A built-in timer automatically turns Pump 1 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 1 is on at low speed.

Starting Pump 2:

Press **Pump 2** to turn Pump 2 on at low speed. Press a second time to turn Pump 2 to high speed. A third time turns Pump 2 off. A built-in timer automatically turns Pump 2 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 2 is on at low speed.

Starting the blower:

Press **Blower** to turn blower on at high speed. Pressing a second and a third time reduces blower speed. A fourth time turns blower off. A built-in timer automatically turns blower off after 20 minutes, unless it has been manually deactivated.

The "Blower" icon lights up when blower is on at high speed. It flashes when blower is on at medium or low speed.

Turning the light on:

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

Setting water temperature:

Press **Up** or **Down** to regulate water temperature. The temperature setting will be displayed for 5 seconds to confirm your new selection.

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

Water temperature can be adjusted by 1˚ increments, from 59 to 104˚F (15 to 40˚C).

Economy mode:

Press **Mode** 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 the current water temperature. The 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.

"FLO" error message is displayed.

The system detects no water pressure while pumps are running.

Check and open water valves. Check water level. Clean filter. Call your dealer or service supplier if problem persists.

"FLC" error message is displayed.

A problem has been detected with the pressure switch.

Call your dealer or service supplier.

"Prr" error message is displayed.

A problem has been detected with the temperature probe.

Call your dealer or service supplier.

"HL" error message is displayed.

The system has shut the heater down because the temperature **at the heater** has reached 119˚F (48˚C).

"HL" error message is flashing.

The system has shut down because the water temperature **in the spa** has reached 112˚F (44˚C). Only the **Smart Winter Mode** will remain active.

In both cases, do not enter the water! Remove spa cover and allow water to cool down to 104˚F (40˚C), then press any key to reset the system.

Call your dealer or service supplier if problem persists.

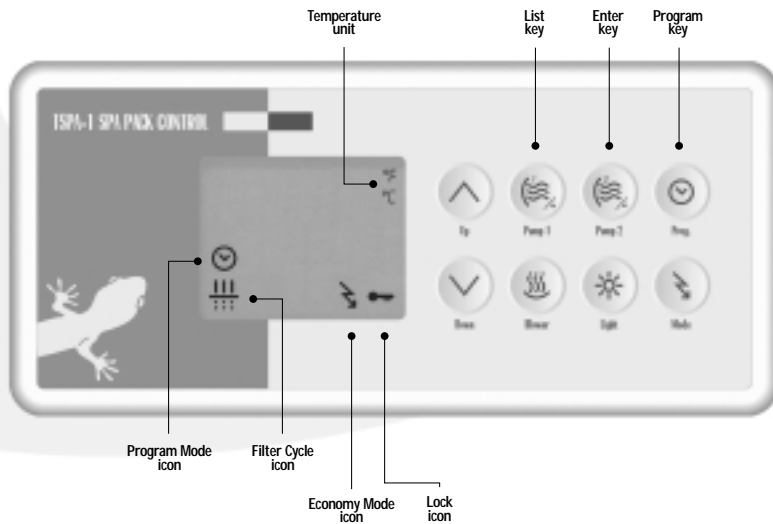*Filter cycle stops and "Filter Cycle" icon is flashing.*

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 reset the time.

Temperature unit **List key** **Enter key** **Program key**

TSPA-1 SPA PACK CONTROL

Program Mode icon **Filter Cycle icon**

Economy Mode icon **Lock icon**

Filter cycle start time & duration

The system automatically performs two filter cycles per day, at 12-hour intervals. During a filter cycle, Pump 2 & blower run 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:

	CL	1- Enter the programming mode by pressing the **Program** key.
	FIon	2- Select the *Filter cycle start* parameter by pressing the **List** key until "FIon" is displayed.
	10:15	3- Press **Enter** key to display the current setting.
	11:30	4- Use **Up** or **Down** 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:

	CL	1- Enter the programming mode by pressing the **Program** key.
	FIdu	2- Select the *Filter cycle duration* parameter by pressing the **List** key until "FIdu" is displayed.
	1:00	3- Press **Enter** key to display the current setting.
	2:00	4- Use **Up** or **Down** 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:

	CL	1- Enter the programming mode by pressing the **Program** key.
	Tu	2- Select the *Temperature unit* parameter by pressing the **List** key until "Tu" is displayed.
	F	3- Press **Enter** key to display the current setting.
	C	4- Use **Up** or **Down** 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, blower 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:

	CL	1- Enter the programming mode by pressing the **Program** key.
	Loc	2- Select the *Keypad lockout* parameter by pressing the **List** key until "Loc" is displayed.
	OFF	3- Press **Enter** key to display the current setting.
	On	4- Use **Up** or **Down** 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:

	Loc	1- Enter the programming mode by pressing the **Program** key. "Loc" is displayed.
		2- Press **Up** arrow key.
		3- Press **Pump 1** key.
		4- Press **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.

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 will be 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 **Mode** key.

To set the start time of the Economy mode:

	CL	1- Enter the programming mode by pressing the **Program** key.
	ECon	2- Select the *Economy mode start* parameter by pressing the **List** key until "ECon" is displayed.
	10:00 pm	3- Press **Enter** key to display the current setting.
	11:00 pm	4- Use **Up** or **Down** 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:

	CL	1- Enter the programming mode by pressing the **Program** key.
	ECdu	2- Select the *Economy mode duration* parameter by pressing the **List** key until "ECdu" is displayed.
	4:00	3- Press **Enter** key to display the current setting.
	8:00	4- Use **Up** or **Down** 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

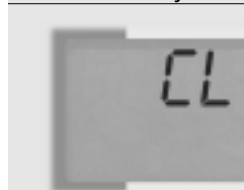This function allows you to set the internal clock of the system.

The unit will keep time in memory for about 48 hours in case of power failure.

To set the time:

	CL	1- Enter the programming mode by pressing the **Program** key. "CL" is displayed.
	2:20 pm	2- Press **Enter** key to display the current setting.
	4:30 pm	3- Use **Up** or **Down** 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.

Parameter summary

CL

CL	Time of day
FIon	Filter cycle start
FIdu	Filter cycle duration
ECon	Economy mode start
ECdu	Economy mode duration
Tu	Temperature unit (˚F or ˚C)
Loc	Keypad lockout

Smart Winter Mode

1.800.78.GECKO

GECKO

9919-100058-C