



ET-55 TOPSIDE CONTROL PANEL OPERATING INSTRUCTIONS

STARTUP

Before turning on the power, make sure you have read the Start Up instructions on page 6. When your hot tub power is first turned on it will display a series of numbers identifying the software version and the voltage input. It will then go into a 4 minute priming mode indicated by a **Pr** on the LCD display. During priming mode the Hush Pump will circulate the water through the filter and heating system to allow the temperature to be read. If your hot tub is not Hush Pump equipped, the jet pump will not turn on until the prime mode times out or the **Temp** button is pressed to time out early. During prime mode the jet pump can be turned on to make sure they are fully primed and moving water in the hot tub. Do not allow an unprimed jet pump to run for more than 10 seconds. If the fill water temperature is below 44°F/ 7°C freeze protection will activate all pumps immediately. While the circulation pump is running the display will show a - - indicating current temperature is not known. This will take two minutes. Once temperature is known it will be displayed on the LCD.

TEMPERATURE ADJUSTMENT

The temperature range is - 104°F / 26.0°C – 40.0°C. The default is 100°F/37.5°C. Any temp changes are saved in the system memory if power is interrupted. Press the **Temp** button to increase or lower the set points. If the **Temp** is pressed the set point will flash. Each press will move the set point 1 degree. If the set point is moving the wrong direction then stop pressing, let the temperature display stop flashing, then press again to move the set point in the other direction. After adjusting the set temp, the LCD will revert back to the current water temperature.

Note: if set temp is lowered more than 3°F/1.5C below current water temp, the Hush Pump will stop. The circulation will restart every 30 minutes to check if water temp has come down to set temp. It will also run continually during programmed times.

HEATING MODES

St – Standard Mode (Default Mode) In Standard Mode the water is always heated to the set temperature. The display will show the temperature always with Hush Pump equipped systems. If non Hush Pump, current water temperature will be shown when the pump is running and – when pump is not running. If your hot tub is not equipped with a Hush Pump, the 2 speed pump will come on every 30 minutes outside of filter cycles to poll for current water temperature. If you do not want this to happen, use the Economy mode below.

Ec – Economy Mode: In Economy Mode the water is heated only during the filter cycle times. The factory default is F4 (4 hours), 2C (twice a day). If using the Economy mode, you may need to alter these times to make sure the water is your desired temperature during your usual hot tub usage times. The first filter cycle starts 6 minutes after power is turned on. The display will alternate between the current temperature and **Ec**.

SL – Sleep Mode: In Sleep Mode the water is only heated to within 20°F/11°C of your set point and the heater only comes on during the programmed filter cycle times. This mode is typically only used for vacation time. The display will alternate between the current temperature and **SL**.

To change heating modes, press the **Temp** button then the **Temp** button.

MESSAGE

To activate this jet pump, press the **Temp** button once to activate low speed, twice to activate high speed and three times to turn the pump off. The low speed will turn off automatically after 4 hours and the high speed will turn off after 15 minutes. If the hot tub is Hush Pump equipped, the low speed of the jet pump will come on automatically for 1 minute at the start of each filter cycle to purge the plumbing lines.

LIGHT

To activate this press the **Temp** button once to turn on and again to turn off. The light will automatically turn off after 4 hours. If your tub has an EverLite 6 or any additional lighting features see the instructions on page 20 of this manual.

TURBO (OPTIONAL)

To activate this press the **Temp** button once to turn on and twice to turn off. The Turbo will turn off automatically after 15 minutes. The Turbo will come on automatically for 30 seconds at the start of each filter cycle to purge the Turbo plumbing.

SETTING FILTER CYCLES

Changing filter cycles is not necessary as it comes preset from the factory as outlined in Changing filter cycles is not necessary as it comes preset from the factory as outlined in Economy heat mode instructions, but if your tub is not equipped with Hush Pump and you want to change them, use the following instructions. Press the **Temp** then press **Temp** to bring up F4 keep pressing **Temp** to select F4, F6, F8 or FC (12 hours). Then press **Temp** to bring up 2C (two cycles per day). If you want to change press **Temp** to select 1d (day cycle) and again to select 1n (night cycle). Press **Temp** to exit programming.

DIAGNOSTIC DISPLAY MESSAGES

	Power to Hot Tub is off
--	Current temperature not known
HH	Possible overheated heater: do not enter Hot Tub
HS	Possible overheated Hot Tub: do not enter Hot Tub
SA	Sensor problem
	Sensor problem
Sn	Sensors out of balance
HL	Possible flow through heater problem
LF	Confirmed flow through heater problem
dr	Possible dry heater problem
dY	Confirmed dry heater problem
IC	Freeze condition sensed

Refer to diagnostic and trouble shooting section starting on page 25 for additional detailed information.

WARNING

SHOCK HAZARD! NO USER SERVICEABLE PARTS.

DO NOT ATTEMPT SERVICE OF THIS CONTROL. CONTACT YOUR RETAIL STORE OR SERVICE PROVIDER FOR ASSISTANCE. FOLLOW ALL OWNER'S GUIDE POWER CONNECTION INSTRUCTIONS. INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN AND ALL GROUNDING CONNECTIONS MUST BE PROPERLY INSTALLED.

WARNING

TAMPERING WITH OR MODIFYING THIS EQUIPMENT MAY VOID YOUR GUARANTEE.

WARNING

ALWAYS TEST WATER TEMPERATURE PRIOR TO ENTRY USING THE TOPSIDE CONTROL PAD. ENSURE COMFORT BY ALSO CHECKING WATER WITH AN ACCURATE THERMOMETER.