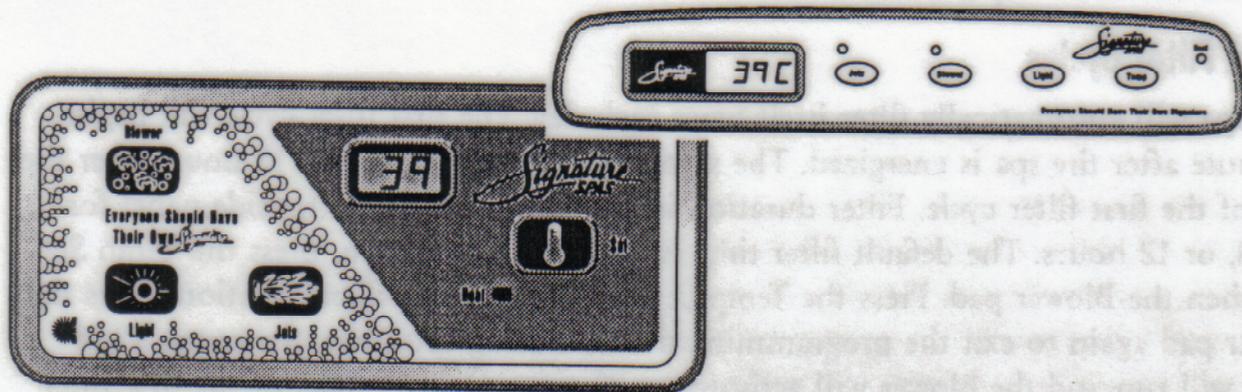


# Signature Spas SIG100 Control System

## *Quick reference card*

### Start-up

When your SIG100 is first powered up, it will automatically heat and maintain 38°C until you change the set temperature.



### Temperature Adjustment (16°C - 40°C)

Temperature adjustment is controlled by pushing the Temp Set pad. The display shows the actual water temperature unless the pad is pressed. When the pad is pressed, the display will show the set temperature. 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.

### Jets

**One Pump Option:** Press the Jets pad once to activate the pump's low speed. Press the pad again to switch to the pump's high speed (if installed). Press the pad a final time to turn off the pump.

**Two Pump Option: (One speed)** Press the Jets pad once to activate pump 1. Press the pad a second time and pump 2 will run at the same time. Press the pad again and only pump 2 will run. Press the pad a final time to turn off all functions.

**(Two-speed)** Press the Jets pad once to activate pump 1's low speed. Press the pad a second time to switch to pump 1's high speed. Press the pad again and pump 1's high speed and pump 2 will run. Press again and pump 2 will run alone. Press the pad a final time to turn off all functions.

The pump's low speed turns off after 2 hours. The pump's high speed (if installed) turns off after 1 hour. When the heater is turned on, the pump's low speed is automatically activated. If activated, neither can be turned off with the function pad; however, the pump's high speed (if installed) may be started.

## Blower

Press the Blower pad to cycle through the highest to lowest blower setting, and then to turn off the blower. The blower will automatically turn itself off after 20 minutes.

**Note:** When the high-speed pump and the blower run simultaneously, the heater will automatically deactivate.

## Light

Press the Light pad to turn the spa light on and off. The light will automatically turn off after 4 hours of operation.

## Preset Filter Cycles

Your spa will automatically filter itself twice each day. The first filter cycle will begin 1 minute after the spa is energized. The second filter cycle will begin 12 hours after the start of the first filter cycle. Filter duration is programmable at the topside panel for 2, 3, 4, or 12 hours. The default filter time is 3 hours. To program, press the Temp Set pad, then the Blower pad. Press the Temp Set pad to select the filter duration. Press the Blower pad again to exit the programming mode. During filtration, the pump's low speed will run and the blower will activate for 30 seconds at the start of the first filter cycle to clean out the air channel.

## Freeze Protection

If the high-limit sensor detects 4°C at the heater, then the pump's low speed automatically activates to provide freeze protection. The equipment stays on until the sensor detects 7.2°C at the heater. Freeze protection is enabled regardless of the spa's status. An optional additional freeze sensor may be added to protect against freeze conditions. See your dealer for details.

## Diagnostic Messages

### **OH** Overheat Protection (Spa is deactivated)

DO NOT ENTER THE WATER. If the spa water has reached 45°C, remove the spa cover to cool the water. Overheating may occur if the filter cycle is set too long. At 43°C, the spa should reset itself. If the high-limit sensor detects 48°C at the heater, the spa will shut down. When the heater cools to 43°C, press any button to reset the spa. If the spa will not reset, then shut off power to the spa and call your dealer or service organization.

### **FL** Flow Switch Detection

A pressure switch is not working. Call your dealer or service organization.

### **Sn** Sensor (Spa is deactivated)

The high-limit sensor or water temperature sensor is not working. Call your dealer or service organization.