

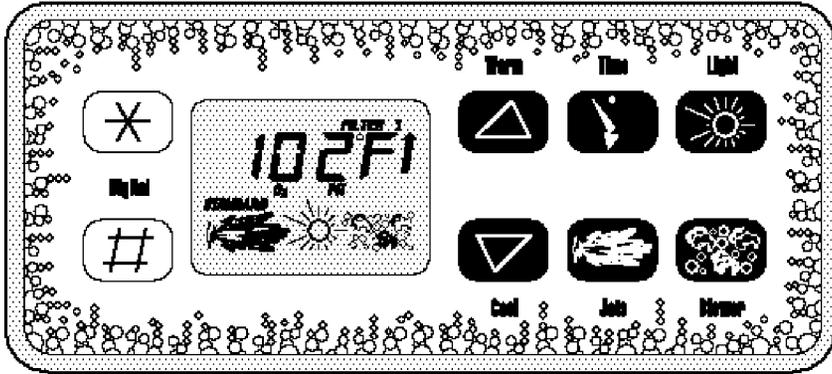
Deluxe Digital Control System

Quick reference card

Don't Panic! No Programming is Necessary!

Start Up

When your spa is powered up, it begins running in an economy mode, which means that the heater will only operate during the preset filter cycles. This setting is designed for periods of little or no spa use, but continues to filter twice a day and maintain water quality. Pressing the **#** pad switches the spa to standard mode which automatically heats and maintains the water at 100° F. or your desired temperature.



Time of Day

You will see the words "set time" flashing on the display. To set the time, press **#** then ***** then **▲** or **▼**.

After **▲** or **▼** is pressed once, the time will begin changing in one-hour increments. Press either pad to stop the time from changing.

Press **#** to enter your correct time into the system.

Water Temperature

Press either **▲** or **▼** once to display the temperature that was set. If either pad is pressed within 3 seconds, the temperature setting will go up or down in 1° F increments. Actual water temperature will reappear after changing the temperature setting.

Optional Filter Cycle Programming

While you are not required to set filter cycles, if you want to change them, press ***** ***** within 3 seconds. "SET START FILTER 1" (AM cycle) will appear on the display.

Press **▲** or **▼** to reset the filter start time.

When "SET HEAT" is on the display, press **▲** "on" to warm the water during filtering, or press **▼** "off" to disable the heater.

Press ***** to see "STOP FILTER 1" and adjust the time with the **▲** or **▼** as done above.

Press ***** to see "START FILTER 2" (PM cycle) and proceed as above.

(Over)

Pressing **#** will enter the new filter cycle times into the system and display the current water temperature.

Locking the Panel

Press ***** **#** **▲** within 3 seconds. When locked, the display will show the temperature you have chosen, along with the "lock" symbol. All pads are frozen except the ***** pad.

Unlocking the Panel

Press ***** **#** **▼** within 2 seconds. The lock symbol will disappear and all panel pads will work again.

Display Messages

Message	Meaning	Action Required
Pd	"Power Down" - The spa is using its battery backup to preserve settings.	Restore power to the spa. Battery will hold all special settings for 20 minutes.
OH	"Over Heat" - The spa has shut down. Either the spa water has reached 112° F or the high-limit sensor has detected 118° F at the heater.	DO NOT ENTER THE WATER. Remove the spa cover and allow water to cool. At 110° F, the spa should automatically reset. If spa does not reset, shut off the power to the spa and call your dealer or service organization.
FLO	"Flow" (Flashing) - Flow of water is inhibited.	Check and open flow valves. Check for correct water level. Clean filter.
FLO	"Flow" (Not flashing) - A pressure switch has malfunctioned.	Contact dealer or service organization.
COOL	"Cool" - Water temperature is 20° F or more below the temperature you last set.	No action required. Spa is functioning properly.
ICE	"Ice" - Potential freeze condition is detected.	No action required. Pump(s) will automatically activate regardless of spa status.
Sn1	"Sensor 1" - Spa is shut down. Hi-limit sensor is not working.	Contact your dealer or service organization.
Sn3	"Sensor 3" - Spa is shut down. Water temperature sensor is not working.	Contact your dealer or service organization.

