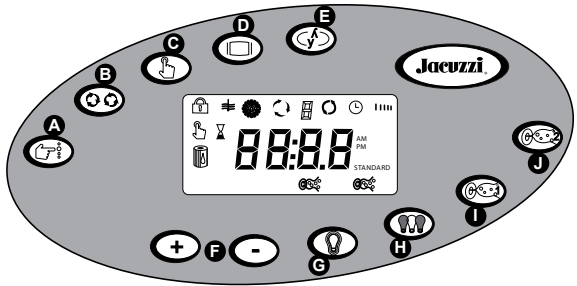


9.0 Control Functions

9.1 Control Panel

A. Select

Button: Filter cycle programming features. Pressing the select button also allows you to turn on/off the circulation pump, when it is in an off state. If the circulation pump was turned on automatically, it cannot be manually turned off.



Display shown for example purposes only, actual water temperature will vary.

B. Cycle

Button: Accesses filter cycle program mode and next cycle.

C. Mode

Button: Switches between standard and economy filtration/heating modes sections.

D. Display

Button: Displays time of day and initiates time setting and locking functions.

E. Invert

Button: Inverts the main 4-digit LCD display.

F. Warmer

and Cooler  Buttons: Press these to display, increase or decrease the temperature. They also display other programmable features.

G. Light On/Off

Button: Turns waterfall, footwell and logo lights on in unison. Press once for high intensity; press a second time for medium intensity; press a third time for low intensity; press a fourth time to turn off. The displayed color is changed using the light mode button (H) below.

H. Light Mode

Button: Selects one of 4 color modes for waterfall, footwell, and logo lights. See page 27 for additional information.


I. JETS 1


Button: Controls jets pump #1 (On, Off).

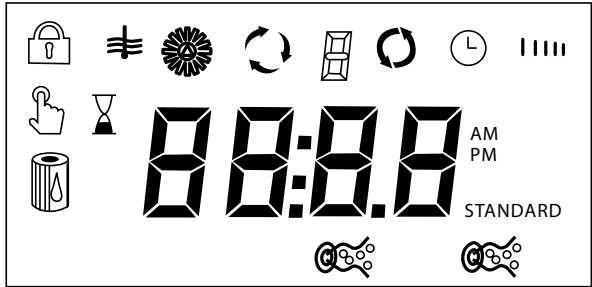
J. JETS 2

Button: Controls jets pump #2 (On, Off).


9.2 LCD Display


 = **Lock:** Indicates panel, set temperature, or filter cycle programming is locked.

 = **Heat:** Indicates heater is on.





 = **Ozone:** Indicates optional CD ozonator is on.


 = **Adjust Filter Cycle:** Indicates filter cycle programming feature is accessed.


 = **Filter Cycle Number:** Indicates which programmed filter cycle is running.


 = **Filter Cycle:** Indicates programmed filter cycle is running.

 = **Filter Cycle Start Time:** Indicates filter cycle start time programming is accessed.

 = **Filter Cycle Duration:** Indicates filter cycle duration programming is accessed.

 = **Set Temperature:** Indicates the current set temperature is displayed.

 = **Set Time:** Indicates current time is displayed.

 = **Filter Annunciator:** Indicates filter cleaning and/or replacement.

 = **Jets 1:** Indicates jets pump 1 is on.

 = **Jets 2:** Indicates jets pump 2 is on.

STANDARD = **Mode:** Indicates selected filter mode.

Note: No icon means Economy mode is selected.

15.0 Troubleshooting - Display Messages

There are a number of unique functions designed into your Jacuzzi spa to protect it from damage and/or to aid in troubleshooting. Following is a listing of all the possible messages along with their meanings:

MESSAGE

MEANING

OH

Overheat Protection (Heater is deactivated, filter/circulation pump is activated).



**WARNING: RISK OF HYPERTHERMIA (OVER-HEATING)
CAUSING SEVERE INJURY, BURNS, OR WELTS.**

Water temperature is above acceptable limits. Do not enter the water! Remove spa cover to speed cooling. See “Water Is Too Hot” on page 54. If condition persists, contact your dealer or authorized service center.

COOL

If the spa water is more than 20°F/6°C cooler than the temperature set point, jets pump #1 and heater will automatically activate to provide freeze protection. The spa will stay in this mode until the water temperature reaches 15 degrees below the set temperature. No corrective action is necessary.

FLO

FLOW SWITCH (Heater is deactivated. The filter/circulation may also be deactivated). Proper flow of water is inhibited or a flow switch has malfunctioned. Check for proper water level and for clogged filter (page 43). Contact your dealer or service organization.

Note: This message can also appear if the pump has not regained prime after the spa has been drained and refilled. If you suspect that this is the case, see the instructions on page 53 under “pump does not operate but icon does.

HOT

Circuit board temperature has exceeded acceptable limit. This message will disappear when the circuit board temperature drops below acceptable limit. If condition persists, provide shade for equipment side of spa.

ICE

FREEZE PROTECTION

A potential freeze condition has been detected. No action is required. Jets pump(s) operate until the spa is out of danger. It is possible to manually turn off pump 1 and pump 2, but if after 2 hours ICE is still detected, pumps will automatically turn back on.

Note: This error commonly occurs when the spa is first filled because tap water is often very cold.

PnL

Communication between the control panel and/or remote control panel and circuit board is faulty. Contact your dealer or service organization.

“WATCHDOG” (spa is deactivated)



WARNING: RISK OF HYPERTHERMIA (OVER-HEATING) CAUSING SEVERE INJURY, BURNS, OR WELTS.

A problem has been detected which could cause damage to the spa or its components. Contact your dealer or service organization.

Sn1

OPEN SENSOR (heater disabled) OR SHORTED SENSOR (spa is deactivated) The high-limit temperature sensor is non-functional. This must be repaired only by a dealer or qualified service organization.

Sn3

OPEN OR SHORTED SENSOR (heater disabled) The main sensor is non-functional. This must be repaired only by a dealer or qualified service organization.

FL02
ICE2

CLOSED OR SHORTED FLOW SWITCH ON SYSTEM STARTUP (system disabled) Flow switch is non-functional. This must be repaired only by an authorized dealer or qualified service organization.

16.0 Troubleshooting - Procedures

In the unlikely event your spa is not working the way you believe it should, please first review all the installation and operating instructions in this manual and check the message on the panel display; second, if you are still not satisfied it is working properly, please follow the appropriate troubleshooting instructions.

| PROBLEM | PROCEDURE |
|---|--|
| <p>NONE OF THE COMPONENTS OPERATE (i.e. pump light)</p> | <p>Check the control panel lights.</p> <ol style="list-style-type: none"> 1. If there are letters or symbols displayed on the screen, refer to the previous section to determine the meaning and action required. 2. If nothing appears on the screen: <ol style="list-style-type: none"> A. Check the household circuit breaker B. Contact you dealer or authorized service center |
| <p>PUMP DOES NOT OPERATE AND ICON DOES</p> | <p>Depress "JETS" button.</p> <ol style="list-style-type: none"> 1. If no sound is detected or if a "buzzing" sound and icon does is detected, turn off power to the spa and contact your dealer or service center. 2. If motor operates but no water flows to jets: <ol style="list-style-type: none"> A. Pump may not be properly primed. See instructions below. B. Contact dealer or authorized service center. |

Pump Priming Instructions:

1. Turn off power to the spa.
2. Remove the handle from the massage selector supplied by the pump you are priming.
3. Loosen the massage selector's cap slightly (counterclockwise), listening for the air to seep out.
4. Tighten the cap finger-tight, replace the handle and turn the hot tub's power back on.

Note: This method must be used for the jet's pumps because these pumps are not connected to the main filter system in any way.

CAUTION: If freezing conditions exist and pump is not operational, take measures to protect the system from freeze damage. See section titled "Winterizing" (page 47).

POOR JET ACTION
(see page 29-36)

1. Make certain the jets pump is turned on.
2. Check position of massage selectors.
3. Open air control for selected jet system.
4. Check for adequate water level.
5. Check for dirty filter (page 43).

WATER IS TOO HOT

1. Reduce thermostat setting (page 17).
2. Switch hot tub to “Economy” mode to turn heater on only during programmed filter cycles (page 37).

NO HEAT

1. Check thermostat setting.
2. Keep the cover in place while heating.
3. If “heater on” indicator is lit (page 21), but no temperature rise is experienced after a reasonable period of time, contact your dealer or authorized service center.

FILTER/CIRCULATION
PUMP OFF

1. Verify filter/circulation pump is programmed to run 24 hours a day (page 38).
2. Filter/circulation pump cycle canceled by power interruption. Wait 24 hours for hot tub to reset.
3. Hot tub water is warmer than 95°F (35°C) and two degrees warmer than the set temperature. The “Summer Logic” safety feature has activated. See note on page 39 for details.

Jacuzzi builds the best spas in the industry. Nonetheless, we are always striving to improve the quality and features of our products. Your input as a Jacuzzi spa owner is a cherished part of this process. If you have any comments or suggestions, or if you wish to be informed on any new products for your spa, please write to us.