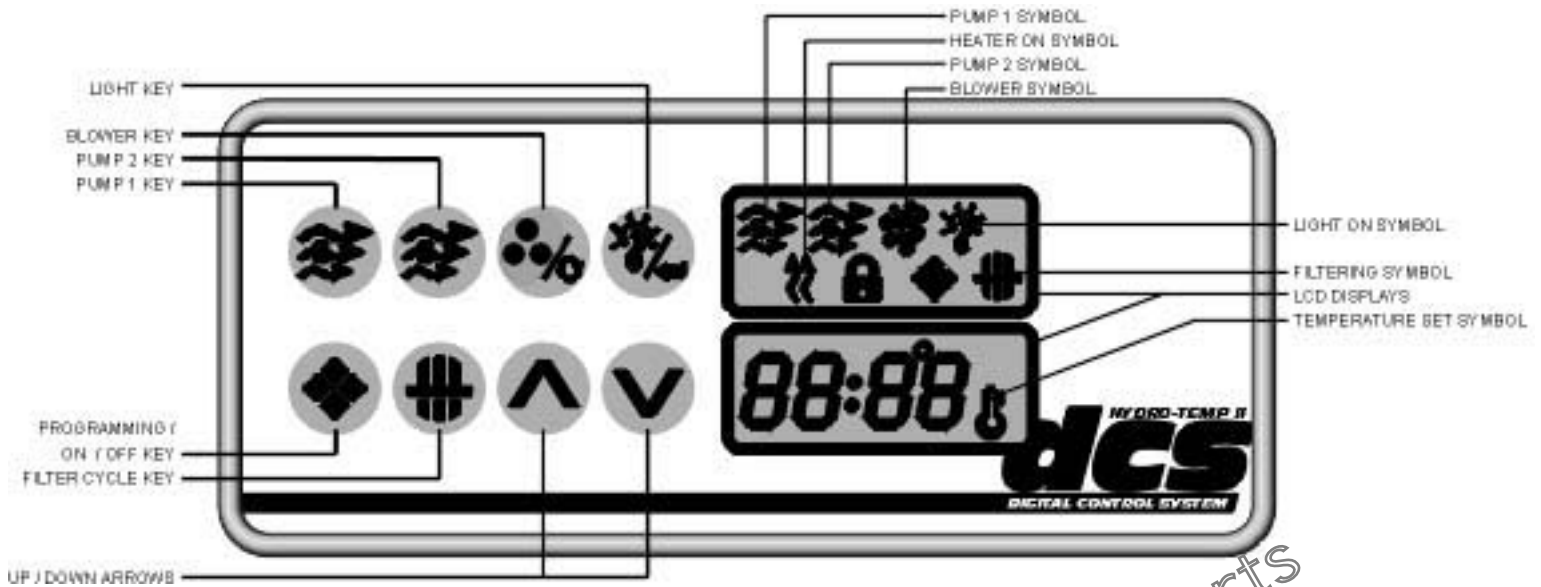


Ultimate Spaside Remote Control Panel

To make the most of your new investment, please READ and SAVE.



SPECIAL FEATURES: In-house Remoter (Option) Outdoor Remoter (Option)

On/Off Switch

The On-Off key is used to activate or deactivate all functions of the spa pack.



Pump 1 Key

If Pump 1 is a single speed pump, the Pump 1 key is used to turn it on and off. If Pump 1 is a two speed pump, the Pump 1 key is used to turn it on and to select between off, low and high speeds. A built-in timer will shut the pump off 20 minutes after it has been started unless the user does so manually.



Pump 1 Symbol

The Pump 1 symbol will appear on the LCD display when the Pump 1 is running at high speed. The symbol will blink when the pump is running at low speed.



Pump 2 Key

If Pump 2 is a single speed pump, the Pump 2 key is used to turn it on and off. If Pump 2 is a two speed pump, the Pump 2 key is used to turn it on and to select between off, low and high speeds. A built-in timer will shut the pump off 20 minutes after it has been started unless the user does so manually.



Pump 2 Symbol

The Pump 2 symbol will appear on the LCD display when the Pump 2 is running.



Up/Down Arrows

Up and Down arrow keys are used to set the temperature of the water. Keeping pressure on the keys will the increase (or decrease) the current temperature setting. The new and desired temperature setting will remain for 5 seconds on the LCD display as a confirmation of it's new value.



Set Point Symbol

The appearance of the Set Point symbol on the LCD display tells the user that the temperature shown is the desired, and not the actual temperature of the water. The temperature can be adjusted in 1°F increments from 40°F to 104°F (or 4°C to 40°C.).



Water Heater Automatic Start

When the water temperature is 1°F lower than the set point, the pump (at low

speed if it is a two speed pump) and the heater will be turned on until the water temperature reaches the set point plus 1°F.

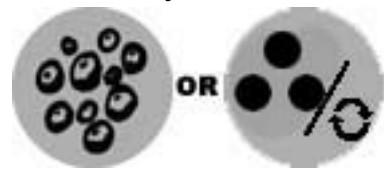
Heater "ON" Symbol

The Heater On symbol will appear on the LCD display when the heater is on. The Heater On Light symbol will blink on the LCD display whenever there is a call for heat and the heater has not yet been turned on.



Blower Key

The Blower key is used to turn the blower on or off and to select blower speeds. The first press of the blower key will turn the blower on at high speed. A second (or third) press of the blower key will change the blower speed from high to medium (or medium to low) speed. The fourth press will turn the blower off. A built-in timer will shut the blower off after 20 minutes if it has not been shut off manually.



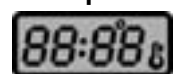
Blower Symbol

When the blower is on, the Blower symbol will appear on the LCD display (it will blink if the speed is at medium or low).



Temperature Display

This display alternates between the current time and the actual water temperature. The display toggles every 5 seconds.



Light Key

The Light key is used to turn light on or off and to select light intensities. The first press of the Light key will turn the light on at its highest intensity. A second

(or third) press will change the light intensity from high to medium (or from medium to low) intensity. A fourth press will turn the light off. The light will automatically turn itself off after 2 hours.



Light Symbol

When the light is on the Light symbol will appear on the LCD display (it will blink if the intensity is at medium or low).



Filter Cycle

Filtering Cycle can be programmed in order to have the pump running twice a day. To program a filtering cycle: 1. Start the filtering mode by pressing the Filter cycle key. 2. The actual Filter cycle duration will be displayed. 3. Use the Up or Down arrows keys to change the number of hours. 4. Press the Filter cycle key to store the new value and to start the cycle that will be repeated every 12 hours. A value of 0:00 will disable filtering cycles while a value of 12:00 will insure non-stop filtering.

°F / °C SELECTION

To select either Fahrenheit or Celsius temperature display values, 1. Turn the system off. 2. Press the Up arrow key for 5 seconds. The new unit setting (°C or °F) will be displayed for 2 seconds. The unit setting is stored and kept in memory even after a power failure.

FREEZE PROTECTION

If the temperature of the water falls below 40°F, the system will start a special process to circulate the water in the pipes. 1. Pump 1 and the heater will be turned on for one minute. 2. Pump 2 will be turned on for one minute (pump 1 and the heater will be turned off). The message FrEE will be displayed throughout the special cycle. During this cycle all other functions of the unit (except the alarms) are disabled.

HIGH TEMPERATURE PROTECTION

If the water temperature exceeds 115°F, the High-Limit temperature protection will be turned on and the message HL will be displayed and the heater will turn off. After the water temperature has cooled down, pressing any key on the side panel control will reset the high temperature protection.

PRESSURE SWITCH

To prevent a "dry fire" of the heater, a pressure switch is installed in the pipes. The unit constantly checks the pressure switch. If the pump is off and the pressure switch contact is closed, the system will show the message FLC on the display and will shut off all outputs. If the pump is on and the pressure switch contact is open, the system will show FLO on the display and will shut off all outputs. When the pump is turned on, there is a 5 second delay before the system starts to permit an auto-check of the state of the switch. The system continues to display the error message until any key of the keypad is pressed.

TEMPERATURE SENSORS

If the system detects a problem with the High-Limit temperature sensor, the message PrH will be displayed and the system will be shut down. If the system detects a problem with the water temperature probe, the message Prr will be displayed and, again, the system will be shut down.