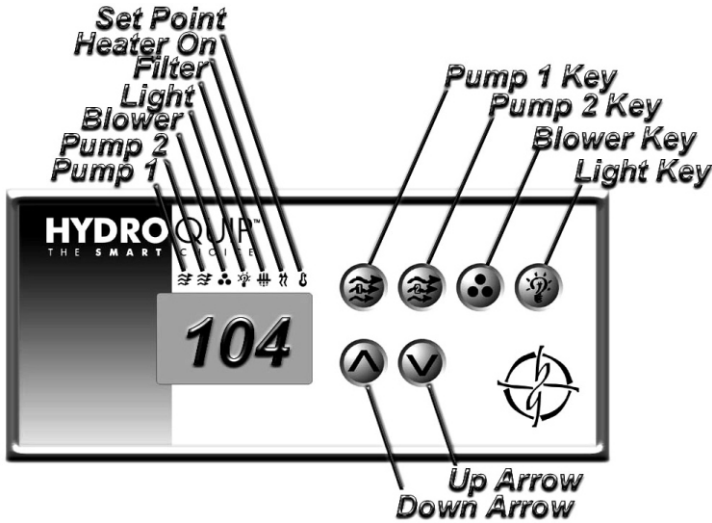


ECO-3 SPASIDE REMOTE CONTROL INSTRUCTIONS



Default System Operation: When power is applied, or there is a temporary loss of power, the system will initiate its default programming. The filter cycle will begin 24-hours after the system has been powered up. The filtration cycle will be active for 1-hour and will repeat every 24-hours. The temperature will be maintained at 95°F.



Pump 1 Key: Press this key once to turn Pump 1 on. A second press will turn it off. For dual speed pump operation; Press this key once to turn Pump 1 onto Low speed, press this key a second time to turn Pump 1 onto High speed, a third press will turn the pump off. A built-in timer will shut the pump off after 20 minutes of operation unless done so manually. The Pump 1 Arrow Indicator will appear on the display while the pump is running. If the filter icon appears, a filtration cycle has begun and you will not be able to turn the pump off.



Pump 2 Key: Press this key once to turn Pump 2 on. A second press will turn it off. For dual speed pump operation; Press this key once to turn Pump 2 onto Low speed, press this key a second time to turn Pump 2 onto High speed, a third press will turn the pump off. A built-in timer will shut the pump off after 20 minutes of operation unless done so manually. The Pump 2 Arrow Indicator will appear while the pump is running.



Blower Key: Press this key once to turn blower onto High speed, a second press will turn the blower off. A built-in timer will shut the blower off after 20 minutes of operation unless done so manually. The Blower Arrow Indicator will appear while the blower is running.



Light Key: Press this key to turn the light on, a second press will turn the light off. The Light Arrow Indicator will appear while the light is on. If Fiber Optics have been installed, press this key once to turn the color wheel and light, a second press will turn the color wheel off with light on, a third press will turn the light and color wheel off. The Light Arrow Indicator will appear while the fiber optics are activated.



Temperature Set Keys: Press the Up arrow key to increase the desired temperature. Press the Down arrow key to decrease the temperature. The temperature can be adjusted in 1F increments from 59F to 104F (5C to 40C). The new setting will remain on the display for 5 seconds as a confirmation. During this time the Set Point Arrow Indicator will be appear to let you know this is the desired and not the actual temperature. After 5 seconds the display will return to the current temperature reading. When the temperature drops to 1F below the set temperature, the heater will be turned on until the temperature is 1F above the set temperature. The heater icon will appear while the heater is on and flash when there is a call for heat and the heater has not yet been activated.

Freeze Protection: If the spa water temperature drops below 59°F the "Smart Winter Mode" will be activated for a period of 24-hours. If the pump has not been activated in the last 2-hours it will be turned for a period of 1-minute. This frequency will decrease as the temperature drops. If the spa water temperature drops to 49°F the pump and heater will be activated until the spa water temperature reaches 50°F. While in this second mode of freeze protection, control over the spa will be disabled until the water has heated sufficiently. The Filtration indicator will be illuminated while in this mode of operation.

High Temperature: If the spa water temperature exceeds 115°F at the high-limit sensor 3 flashing dots will appear below the temperature display and the heater will be turned off. During this time all other outputs (pump, light etc.) will continue to operate. If the spa water temperature exceeds 122°F at the high-limit sensor the heater and all outputs will be disabled. Once the spa water has cooled it will be necessary to cycle power to the spa off then on again to reset the system for normal use.

Filtration: The filter cycle occurs twice a day (every 12 hours) and the duration is user programmable. Press and hold the Light Key for approximately 5 seconds to display the current duration. Use the Temperature Set Keys to either increase or decrease the duration. The duration can be set from "0" (no filtration) to "12" (24 hours a day). Press the Light Key to save the new setting and to start the filtration cycle. The Filter Indicator will illuminate on the display under the filter icon during an active cycle.

To prevent overheating of the spa water, the filtration cycle will be suspended any time the temperature reaches 2°F above the set temperature. If the spa water cools to 1°F above the set temperature while the filtration cycle is still active (filter indicator flashing) the filtration cycle will reactivate. The filtration cycle will be suspended if the user enters the spa and activates a pump or blower. This is to prevent unnecessary operation of the ozonator. The cycle will be suspended for 40 minutes beyond the last manual activation of any necessary. The filter indicator will flash on the display while the filter cycle is suspended.

Error Identification & Service



Pressure or Flow Switch Activated

To prevent damage to your equipment, Hydro-Quip installs a pressure or flow switch. The system constantly checks this switch. If the pump used to circulate the water through the heater is not operating and the pressure or flow switch is closed, an FLC will appear on the Spaside display. (Note: Some models will show 3 flashing dots below the displayed temperature. Turn the pump off. If the display is still flashing, the pressure or flow switch is activated.)



Pressure or Flow Switch Not Activated

If the pump is operating and the pressure or flow switch is open, an FLO will appear on the Spaside display and the heater will not engage. (Note: Some models will show 3 flashing dots below the displayed temperature. Turn the pump off. If the 3 flashing dots are not flashing, the pressure or flow switch was not activated while the pump was operating.)

Note: A dirty filter limiting the water flow will also cause the FLO message to appear.

When the pump is turned on, there is a 7-second delay before the system will start to auto check the pressure or flow switch.



Temperature Sensor

If the system detects a problem with the water temperature sensor, or if there is a power outage and upon initial start-up when the temperature is below 35°F, Prr will appear on the Spaside display. (Note: Some models will not have this feature. If there is an abnormal difference between the actual spa water temperature and the temperature displayed on the spaside control or 32F is displayed, there is a problem with the water temperature sensor.)



High Temperature

If the water temperature exceeds 115°F, the Hi-Limit temperature protection will be turned on, the heater will be deactivated and HL will appear on the Spaside display. All other components will continue to operate. If the water temperature exceeds 119°F, the Hi-Limit protection will be turned on and ALL functions will be turned Off until the water has cooled to 110°F HL will appear on the Spaside display. Pressing any key on the Spaside control will reset the Hi-Limit protection. (Note: Some models will show 3 flashing dots below the displayed temperature. If the error cannot be cleared as described and the spa will not heat, an over temperature condition has occurred. Once the spa water has cooled, power to the system must be turned off then back on to reset the system.)



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