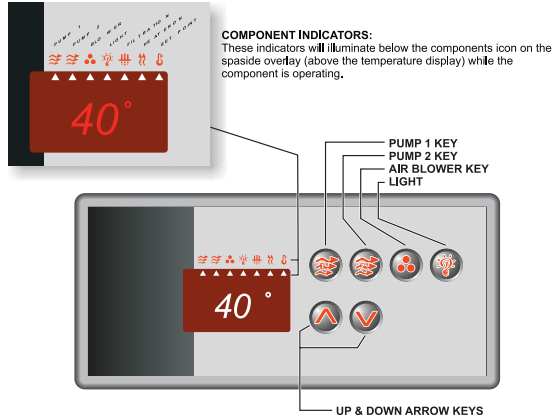


*This **Quick Reference Card** is a summary of your spa's main functions and provides a quick overview of operations accessible from your spa side keypad*



Starting the pumps

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 icon will appear while running in High speed and flash while it is in Low speed. 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. A built in timer will shut the pump off after 20 minutes of operation unless done so manually. The Pump 2 icon will appear while the pump is running in High speed.



Starting the Blower

Blower Key:



Press this key once to turn Air Blower on. A second press will turn the Air Blower off. A built in timer will shut the blower off after 20 minutes of operation unless done so manually. The Air Blower icon will appear while the blower is running.



Turning on the Light:




Press this key to turn the light on. A second press will turn the light off. The light will automatically shut off after 2 hours. The Light Icon will appear while the light is on.

Setting the water Temperature






Temperature Set Keys: Press the *Up Arrow* key to increase your desired water temperature. Press the *Down Arrow* key to decrease your desired water temperature. The temperature can be set in 1 degree increments within the range (5 DEG C - 40 DEG C). The new setting will remain on the display for 5 seconds as confirmation. During this time the Set Point icon will 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 0.5 Deg C below the set temperature, the heater will be turned on until the temperature is 0.5 Deg C above the set temperature. The heater icon will appear while the heater is on and flash when in standby.

Programming Filter Cycles



You may choose to filter the spa 1, 2 or 3 times per day as required to keep the water clean and sanitary. Press and hold the *Pump* key. The current setting will be displayed. Press and hold the *Temperature* key to increase or decrease the frequency of the filtration cycles per day. The Filter cycle is now set. The cycles repeat every 8, 12, or 24 hours within a 24 hour period starting from the time programmed. It is recommended to schedule the filtration cycle so they do not interfere with sleeping hours.

Programming Filter Cycles Duration



You may choose to filter your spa 60, 120, 180 or 480 minutes per cycle. Press and hold the *Light* key, the current setting will be displayed. Press and hold the *Temperature* key to increase or decrease the duration of the filter cycle. The duration is now set. To start a cycle immediately, press and hold the *Light* Key.

Note: If a key is not pressed within 5 seconds during programming, the system will automatically revert back to the monitoring mode. If the pump and/or light were turned on during the programming process turn them off now. The system will revert back to displaying the water temperature in 5 seconds.

Power loss

Any interruption of power will cause the unit to reset and revert to the default programming of 37.8C set point temperature and 2, 2 hour filtration cycles.

Additional Features

Smart Winter Mode:

If the system detects ambient condition below a preset factory setting, the system will automatically activate the Smart Winter Mode for a period of 24 Hours. In this mode, if a pump has not been powered in the last 2 hours, the system will turn it on for one minute to prevent freezing. The filter mode light indicator will flash while the pump is running in this mode. Note: If you notice the pump coming on every 2 hours. This is the most likely cause. This will continue for a 24 hour period. This is normal and is the systems protection against freezing.

Over Temperature Protection: If the water temperature exceeds 44.4C at the temperature sensor 3 flashing dots will appear below the temperature display and the heater as well as all other outputs will shut off. After the water has cooled down, power to the spa must be cycled on then off to reset the system. If the spa water temperature does not seem to be elevated, the error indication may have been caused by poor water flow or electrical line interference (thunder storms, voltage surges etc.) Simply reset and monitor the system.

Power up Detection: Upon first powering the system or if a power outage occurs, the display will flash until a key is pressed. This feature also lets the user know there has been a power failure.