

# INSTALLATION NOTES

## PLEASE READ BEFORE INSTALLING UNIT!

### Voltage Notes:

- This control is pre-wired for 3-wire or 4-wire 240V power installation!
  - If installing for 3-wire 240V (no neutral), Line 2 will need to be brought to the Line 2 AND Neutral power lugs.
  - To convert to 120V, the 240V transformer will need to be swapped with its 120V equivalent, and Neutral will need to be brought to the Neutral AND Line 2 power lugs.
- The **Pump 1** and **Pump 2** receptacles are prewired for 240V!
- The **Circulation Pump**, **Blower**, **Ozone**, and **Audio** receptacles are prewired for 120V!
- Every receptacle has a white wire that is striped with the color of its receptacle. To change the voltage of one of the above mentioned receptacles, simply move its white wire at the power lugs to Line 2 for 240V or Neutral for 120V. For example, to convert the **Pump 2** receptacle to 120V, you would move the white wire with the brown stripe from the Line 2 power lug, to the Neutral power lug.
- The **Light** receptacle is prewired for standard 12V lighting, up to 0.9A. An appropriate 12V light harness is included with the system. To convert the receptacle to operate a high voltage light, the two jumpers on the board marked 'SPA LIGHT' must be moved to connect the center terminals to the top terminals.

### Equipment Notes:

- The **Circulation Pump** receptacle is for circulation pumps (1/8hp or less), designed for 24hr operation only! If your pump does not match this description, it should be connected to the **Pump 1** receptacle.
- When connecting **Pump 1** to the unit, please note that our controls use the red wire for low speed, and the black wire for high speed. If you are connecting a single speed **Pump 1**, you must connect both the red and the black wires to the high speed terminal on the back of the motor for the unit to heat and operates the jets normally.
- If connecting a **Pump 2**, as well as a **Blower**, the **Pump 2** must be wired for single speed (3-wire) operation.

### Temperature Sensor Notes:

- The included 1/4" temperature sensor is a dry sensor, and is not to be exposed to water.
- The sensor cable is not to be spliced with other sensors, or altered in any way as the sensor itself is calibrated to the cable it is attached to.
- The included 1/4" temperature sensor is designed to be installed into a thermowell housing. If you do not have one installed, we recommend installing the optional thermowell in the shell of your spa at mid-water level for the most accurate temperature display. For optimal operation, installing the temperature sensor onto the heater tube is not recommended.

### Once You've Installed Your Unit Following the Above Notes:

- You are ready to power the unit on and program the topside to operate the equipment you've connected to it. Please see the reverse side of this sheet for programming information!