Start-Up Procedures (HP31204T ONLY)

1. Apply power to the pool heater by plugging in the non-fused disconnect block or moving the circuit breaker to the “ON” position.

2. Place the pool heater thermostat in the “Standby” mode by ensuring the light above the “POOL” button (and “SPA” button for dual thermostat application) is not illuminated. If the light(s) are lit, depress the “POOL” button (and “SPA” button for dual thermostat application) to put the unit in “STANDBY” mode.

3. With the pool filter pump operating properly.

4. Push the “POOL” button to activate the unit and then set the pool Heat Pump thermostat to a temperature higher than the current pool water temperature.

NOTE: For configuring the product for cooling mode see “Setting The Auto Function” and “Setting unit to cool only” sections later in this manual.

5. Allow 5 Minutes for the Heat Pump to start.

6. When the unit starts, confirm that air is being discharged upward from the unit and the air is cooler than the ambient air.

7. Allow the Heat Pump to operate for 10-15 minutes in order for system pressure to stabilize.

8. If Heat Pump fails to start:
   a. Check water flow
   b. Ensure that power is On
   c. Refer to Performance Monitoring Section of this Manual
## Control Operations

### Dual Thermostat (HP31204T ONLY)

#### ON/OFF

This control does not have a true on/off feature. The unit uses STANDBY mode instead. Scrolling dots in the display indicate standby. STANDBY mode serves two functions. (1) It serves as an "off" mode, which keeps the heat pump from transferring heat into your pool water. (2) STANDBY allows a pool owner with remote controlling systems, such as Goldline, to maintain pool and spa temperatures via the remote.

**NOTE:** External control only operates in heating function

#### ENTER STANDBY MODE

If POOL mode is active (indicated by the green led over the POOL button), press the POOL button once. Rolling dots should appear on the display. If SPA mode is active (indicated by the green led over the SPA button) press the SPA button once. Rolling dots should appear on the display.

#### EXIT STANDBY MODE

Press either the POOL or SPA mode button.

#### MODE SELECTION

Select the desired mode of operation (SPA or POOL) by using the POOL/SPA buttons. A green LED above the buttons designates the active mode. When the POOL mode is active, any displays or adjustments apply only to the POOL mode. Adjustments for SPA mode must be made while the SPA button is activated. A user can switch between modes without turning the control to STANDBY first.

#### RUN INDICATOR LIGHT

Shows the unit is operating normally and the thermostat is making a demand for heat.

#### TEMPERATURE SET POINT

Continuing to hold the UP or DOWN ARROW button will adjust the set point value until the desired set point is reached. When the desired value has been reached, release the button. The new set point will flash to indicate a new value has been recognized and the display will revert back to water temperature as indicated by a steady display.

### Changing Temperature Display (HP31204T ONLY)

The control will display temperatures in either degrees Fahrenheit or Celsius. To change the temperature display, place the heat pump in “Stand-By” mode so that the scrolling dots appear on the screen. Press and hold both the pool button and the down arrow button for two seconds and release. Place the heat pump back in pool or spa mode and the temperature change will be displayed. When viewing the temperature in degrees Fahrenheit only the numeric temperature is displayed, but when viewing degrees Celsius the control will display the numeric temperature followed by a lower case "F".

### Lock Out Feature (HP31204T ONLY)

A lock out function is provided to keep the temperature set point from being changed. To engage this function in the pool or spa mode press the up arrow button, down arrow button and pool button at the same time and hold for 2 seconds.

The control display will read “LOC” while the lock out function is engaged. To exit the lock out function in pool or spa mode press the up arrow button, down arrow button and pool button at the same time.