

## HOT WATER TROUBLESHOOTING INDEX

### 1. Hot Water is not Hot 86°± -1.5°C (187°± 5°F)

Also includes related instructions for:

- *Disabling Energy Star Sleep Mode*
- *Resetting the Hot Tank Overload or High Safety Limit*

### 1. Hot Water is not Hot 86°± -1.5°C (187°± 5°F)


The Hot Temperature set point is 85°C (185°F) and is controlled by a thermostat on the side of the Hot Tank.

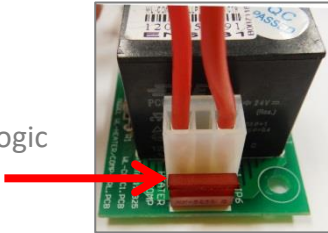
There is a resettable overload or high limit safety above the thermostat on the side of the Hot Tank that will trip to prevent damage to the unit if the tank is dry heated (turned on without water in it).

The **WL2FL Water Treatment System** is programmable to make Cold / Ambient water – refer to Disabling Sleep Mode instructions included further below in this Troubleshooting Section.

The **WL2FL Water Treatment System** does NOT have Extra Hot capability and the maximum hot temperature is 87°C (189°F).

It typically takes 10 minutes for the 500W to heat the 1.6 Liter (0.4 Gallon) of room temperature (ambient) water to the 85°C (185°F) set point.

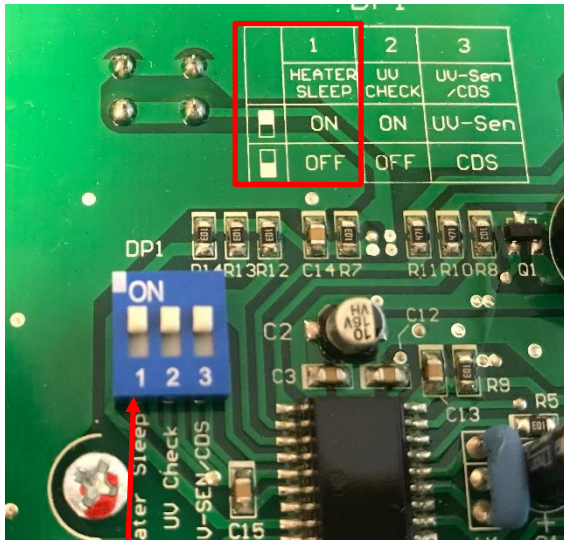
Possible Reason	Solution
No Power	Check that the Red Heater & Compressor switch is on.  Turn Red Heater & Compressor Switch on. <i>I = ON</i> 
Is unit in Energy Star Sleep Mode?	If no water has been dispensed for 3 or more hours, unit goes into sleep mode. Dispense hot water, wait 5 minutes, check temperature.  If unit still does not heat proceed to “No power to Heater elements” below.  <u><b>If unit does heat but you would like to Disable Sleep Mode, refer to the instructions included further below in this Troubleshooting Section</b></u>
Hot Tank Overload Tripped  <i>Overload is a safety feature to ensure the tank does not overheat.</i>	Overload will “click” when pushed. The overload is automatically reset when pressed.  <u><b>See Resetting the Hot Tank Overload or High Limit Safety Instructions that are included further below in this Troubleshooting Section</b></u>

<p>Energy Saver PCB Relay Board Connector Bad</p>	<p>Inspect connector for discoloration. If there is no discoloration, contact Waterlogic Technical Department.</p> 
<p>Thermostat or overload “open” on Hot Tank</p>	<p>Turn Power off. Check OHM’s resistance across terminals on each Thermostat and Overload separately. Good components will indicate a closed circuit or zero OHM’s on the meter. Replace components as necessary.</p>
<p>Loose or improperly connected wire(s) to the Heating Element / Hot Tank.</p>	<p>Visually inspect wire leads going to the hot tank; confirm proper connections to the heating elements. Hot tank life is 3-5 years, depending on usage. <i>*Typically, dealers swap out the Hot Tank at site, take back to the shop to repair.</i></p>
<p>Heating Coil Not Heating</p>	<p>Turn Power off; Drain hot tank; Use multi-meter to check Heater Element for approximately 26 OHM’s resistance. Hot Tank must be empty if you are checking for continuity. Replace Hot Tank as necessary.</p>
<p>Improper Jumper Settings</p>	<p>The unit has been changed to a cold/ambient setting (JP9 has been moved from Pin 1 and Pin 2). Verify that Jumper Pins are located properly for Hot Water Option.</p>

## DISABLING ENERGY SAVING SLEEP MODE

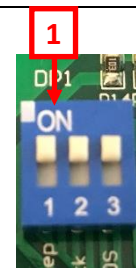
All **WL2FL Water Treatment Systems** come from the factory with Energy Saving Sleep Mode engaged to meet the Energy Star Certification requirements. Energy Saving Sleep Mode disables the heater circuit if the unit has not been used for a continuous 3 hour or longer period. Selecting any button "wakes up" the **WL2FL Water Treatment System** and turns the heater circuit back on. The hot tank will typically take less than 10 minutes to heat the water from ambient to the 85°C (185°F) set point.

Unplug Power Cord and remove Top Cover to access back side of the Display PCB.

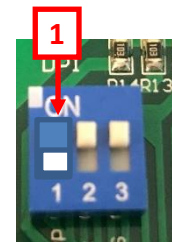


**WL2FL Water Treatment Systems** comes with the Energy Saving Sleep Mode "ON" - the Default Position.





DIP 1 in the "ON" position (up).



Deactivate the Energy Saving Sleep Mode by moving DIP 1 in the "OFF" position (down).



## RESETTING THE HOT TANK OVERLOAD OR HIGH LIMIT SAFETY

1.	Red Compressor/Heater Switch must be in the <i>O=OFF</i> position	
2.	Unplug the Power Cord from rear of <b>WL2FL Water Treatment System</b> .	
3.	Remove the Side Panel by removing the Front Hatch and Side Panels.	
4.	Locate the Hot Tank	
5.	Press the Reset Button	
6.	Replace the Lower Front Panel.	
7.	Plug in the Power Cord.	
8.	Turn on the Red Compressor / Heater Switch <i>I=ON</i> position  <b>The Hot and Cold Tanks must be filled with water BEFORE turning on the Red Heater and Compressor Switch.</b>	
9.	Verify the cooler is fully operational before installing it at the customers' site.	