

Symptom	Possible Cause	Solution
No power to controller	1.) Tripped breaker	1.) Reset breaker
	2.) Disconnect turned off	2.) Turn disconnect to ON position
	3.) Improperly wired controller	3.) Verify wiring of controller
No Keypad Display	1.) No power to controller	1.) See above diagnosis
	2.) Keypad cord not attached	2.) Plug in keypad cord. Plug must "lock" into place.
	3.) Pins in display receptacle are bent	3.) Straighten pins to allow cord to properly attach
	4.) 1/2 amp fuse blown in heater controller	4.) Check for continuity on fuse and replace if necessary
FLO Reading on Display	1.) Pump housing not filled with water	1.) Remove air from housing (prime pump)
	2.) Water level too low	2.) Add water to pool (should be 1/2 way up skimmer opening)
	3.) Filter(s) is dirty	3.) Clean filter(s)
	4.) Filter(s) not seated properly	4.) Ensure filter(s), diverting plate and/or basket are seated properly
	5.) Nature 2 stick holding up weir (skimmer door)	5.) Place Nature 2 stick into the rear of the basket
	6.) Ball valve is closed or return line is plugged	6.) Open valve or remove plug
	7.) Circulating pump is not plugged in	7.) Plug pump in. Plug must "lock" into place
	8.) Swim current turned on	8.) Condition is normal
	9.) Circulating pump turned off at keypad	9.) Turn pump back on by pressing key 1 on keypad or wait 30 minutes for auto restart of circulating pump
	10.) 10amp fuse in heater controller has blown	10.) Check for continuity and replace if necessary
	11.) No power to pump receptacle on heater controller	11.) 10amp fuse may be blown inside heater controller. If fuse not blown, turn off breaker for 5 minutes and reset. If still no voltage to receptacle replace heater controller

Symptom	Possible Cause	Solution
Circulating Pump Makes Noise	1.) Debris in impeller	1.) Remove pump from system, take apart pump and clean ceramic ball that the impeller sits on
	2.) Air trapped in housing	2.) Remove air from housing (prime pump)
	3.) Rotor bearing worn	3.) Replace pump
Pool taking long time to heat	1.) Heater not turning on	1.) Controller not calling for heat-check thermostat set point
	2.) Heat indicator on, no heat gain	2.) Check element continuity (14ohms). Replace if not in this range
	3.) Losing heat from pool	3.) Insulate pool. Keep pool covered when not in use. Refer to "Retaining Heat" Service Instruction

Error Codes on Keypad Display

Code	Remedy
FLO - - -	System does not detect any water flow when circulation pump is on. See above diagnosis
HL	System has shut the heater down because the temperature at the heater has reached 119°. DO NOT ENTER THE WATER! Remove the pool cover and allow the water to cool down, then shut off power to system, wait 5 minutes and power up again to reset the system.
OH	Water temperature in pool has reached 108°F (42°C). DO NOT ENTER THE WATER! Remove the pool cover and allow the water to cool down. Call Customer Service if problem persists.
AOH	Temperature inside the skirting is too high causing the internal temperature in the heater controller to increase above normal limits. Open skirting and wait until error clears.
Prr	A problem is detected with the temperature probe. Call Customer Service.
UPL	No low-level configuration software has been installed. Call Customer Service.
Hr	Internal hardware error has been detected in the heater controller. Turn off power to the system and then reset the breaker. If problem persists, call Customer Service.