

<i>Symptom</i>	<i>Check</i>	<i>Action</i>
No LED(s) and no fan.	AC power input.	Ensure that AC power is connected.
No LED(s) and both fans on.	AC input fuse (2A) on control board. DC output fuse (1A) on control board. VCC on control board. (+5VDC and -5VDC).	Replace fuse as necessary. Replace fuse as necessary. Replace control board.
LED(s) on and no power supply fan.	AC input fuse (15A) on power supply. +13.5VDC at P13 and P14 on control board. If Peltier elements are cooling the heat exchangers.	Replace fuse as necessary. Replace power supply. Replace fan
Impinger remains at ambient temperature.	Voltage at P13 & P14 Should be at +13.5VDC Peltier current draw. Should be above 6 amps.	Replace power supply Replace Peltier element.
Thermocouple failure LED is on.	Thermocouple connections TB1 2 & 3.	Ensure proper connection. Replace thermocouple.
Impinger frozen and cooler indicates ambient temperature.	Thermocouple placement in heat exchanger block. Peltier current draw (>6A) for both elements on that channel.	Ensure proper placement. Replace bad Peltier element.
Impinger does not reach set temperature, but is below ready temperature.	System loading. Calibration and set temperature adjustment.	Ensure system loading is not exceeding cooler capacity. Adjust as necessary.
Impinger temperature cycles up and down.	Peltier connections on control board.	Ensure a firm connection on flag connectors on control board. Ensure system loading is not exceeding cooler capacity.
Ready LED does not come on when impinger is below 7°C.	Ready temperature adjustment.	Adjust as necessary.
Water carryover in system.	Impinger temperature. Should be below 6°C. Ch2/3 should be alternating at -7°C.	Ensure system loading is not exceeding cooler capacity.
Slip LED does not come on (<i>alarm relay/water slip option installed</i>). *Slip light will not be on if no relay board is installed.	Water carryover in system. Water slip sensor connections.	Ensure system loading is not exceeding cooler capacity. Ensure that all water slip sensor connections are made. Clean tip of sensor. Replace alarm relay/water slip board.
Pump does not start. Ready and slip LED(s) are on (<i>alarm relay/water slip option installed</i>).	Pump electrical connections.	Ensure proper connections. Replace board.