

7.0 Troubleshooting



Disconnect power to the controller before opening the front panel! Troubleshooting and repair of a malfunctioning controller should only be attempted by qualified personnel using caution to insure safety and to limit unnecessary further damage. Contact your local LMI distributor or the factory for assistance.

PROBLEM	POSSIBLE CAUSE	SOLUTION
No Power Light	Blown main fuse	Test with multimeter / replace if required
	No power supplied	Check power source
	Loose/incorrect wiring	Verify wiring connections
No Display	Blown main fuse	Test with multimeter / replace if required
	Blown secondary fuse	Test with multimeter / replace if required
	Faulty pcboard	Consult factory
No Pump Power	Alarm State/No Flow Exists	Check flow switch : 'Alarm Light On' below
	Incorrect wiring to pump	Check wiring by using Relay Test program
	Pump has failed	Plug pump directly into live outlet
	Incorrect pump settings	Check programmed settings and modes
No Valve Power	Flow switch off	Check flow switch and wiring
	Incorrect wiring to valve	Check wiring by using Relay Test program
	Valve has failed	Test per manufacturers instructions
	Incorrect Blowdown setpoint	Verify setpoint and rising/falling trip selection
Low Conductivity	Bypass valve open	Verify valve alignment
	Airbound probe	Change probe location
	Solenoid valve stuck open	Repair or replace
	Sensor disconnected	Check and verify sensor
	Faulty cable or connector	Replace as required
High Conductivity	Probe is fouled or dirty	Clean as required - recalibrate
	Solenoid valve stuck shut	Repair or replace
Erratic Conductivity	Unit out of calibration	Recalibrate
	Unit will not calibrate	Out of range limits - Use Conductivity Test switch
	Stagnant sample	Check system for proper flow
	Reading is stuck on one value	Verify test switch is in Run mode not Test mode
	Faulty pc board	Consult factory
Alarm Light On	Alarm Condition Exists	Verify high conductivity set point
		Verify low conductivity set point
		Low chemical tank level (when wired)
Alarm & BIO LEDs On	Biocides pump at same time	Check programmed settings and modes
		Ensure prebleed and lockout do not conflict
No Flow Light On	No Flow circuit energized	Check wiring from flow switch to terminals
		Verify flow switch is moving freely
		Verify flow is present in manifold line