LRZE TROUBLESHOOTING





Fault Codes										
DISPLAY FAULT		CAUSE			REMEDY					
Display shows NO FLOW		 Pump is not running. Low pump pressure. Pressure switch fault. 			1. 2. 3.	 This is normal display when the pump is OFF. No service required. Clean filter or clear blockage, check position of valves in plumbing system. Adjust or replace pressure switch. 				
FAULT- HIGH LIMIT		 Water temperature in heater exceeds the internal limit. Limit switch fault. 			1. 2.	 Verify function of high limit switches. Perform Temperature Rise Test (see chart below). Identify and correct cause of overheating. Identify and correct loose connections or replace switches. 				
FAULT- FUSELINK/FIELD		1. Fusible link fault.			1.	Identify and correct loose connections or replace Fusible Link.				
FAULT- CHECK IGN CONTROL		1. Air flow restricted at intake or discharge.			1.	Check for proper clearances around heater and for adequate room ventilation if enclosed. Inspect for blockage or restriction at discharge of flue.				
		2. Oscillating pump pressure.			2.	. Clean filter or identify and repair cause of pump oscillation.				
		3. Low gas supply pressure.			3.	. Identify and repair incorrect supply pipe size or pipe line blockage.				
		4. No flame at burners.			4.	Identify and correct loose wiring connections, or problem with Igniter. Flame Sensor, Gas Valve or Ignition Control.				
		5. Check Ignition Control LED.			5.	If the LED is on continuously, replace the ignition control. If the LED is blinking, check for causes of the unrecognized flame.				
FAULT- SHORTED H20 SENSOR OR FAULT- OPEN WATER SENSOR		 Faulty wiring or connection. Faulty sensor. 			1. 2.	 Inspect Sensor wiring. Ensure Sensor is connected into Power Interface Board (PIB). Inspect Sensor wires. Replace Temperature Sensor. 				
Temperature	Model	Minimum	Maximum	Minimum	1	Gas Pressure	Supply Pressure	Minimum	Maximum	
Rise Chart		[°] F ([°] C)	[°] F (°C)	GPM (lps)		Chart	Natural Gas	5.5 inches W.C. (1.4 kPa)	10.0 inches W.C. (2.5 kPa)	
	125	3 (2)	7 (4)	30 (1.9)	1		LP Gas	10.0 inches W.C.	14.0 inches W.C.	
	175	5 (3)	10 (6)	30 (1.9)	-		Manifeld Days	(2.5 kPa)	(3.5 kPa)	
	250	/ (4)	15(0)	30 (1.9)	11		Ivianifold Pressure	Non	linai	

325

400

9 (5)

11 (6)

17 (9)

20 (11)

30 (1.9)

30 (1.9)

Natural Gas

LP Gas

4.0 inches W.C. (1.0 kPa)

9.0 inches W.C. (2.2 kPa)