

PERFORMANCE DATA NO LOAD & NO DOOR OPENINGS AT 37°/0° CONTROL SETTING				
Type A with Run/Start Capacitor	65°F (18°C) Ambient	90°F (32°C) Ambient		
Operating Time	74 to 84%	100%		
Freezer Temperature	-5° to 2° F -20° to -17° C	-1° to 3° F -18° to -16° C		
Refrigerator Temperature	34° to 39° F 1° to 4° C	34° to 39° F 1° to 4° C		
Low Side Pressure (cut-in)	5 to 12 psig 34 to 83 kPa	N/A		
Low Side Pressure (cut-out)	-2 to 2 psig -14 to 14 kPa	-2 to 2 psig -14 to 14 kPa		
High Side Pressure (last 1/3 cycle)	85 to 95 psig 586 to 655 kPa	120 to 135 psig 827 to 931 kPa		
Wattage (last 1/3 cycle)	45 to 55	60 to 70		
Amps (running)	.6 to 1.1	.7 to .9		
Base Voltage	115 vac (127 vac max)			
DEFROST SPECIFICATIONS				
Cabinet Size	Thermostat		Heater	
	Cut-in	Cut-out	Watts	Ohms
23' SD, 28' SD, 23' CD	25° F (-4° C)	47° F (8° C)	500	31
Electronic Timer - (ADC) Defrost 24 minutes every 6-96 hours of compressor run time.				
CONDENSER FAN MOTOR				
Watts	RPM	Amps		
3.1	1100 CW Opposite Shaft	0.03 Running		

IMPORTANT SAFETY NOTE

The information provided herein is designed to assist qualified repair personnel only. Untrained persons should not attempt to make repairs due to the possibility of electrical shock. Disconnect power cord before servicing this appliance.

IMPORTANT

If any green grounding wires are removed during servicing, they must be returned to their original position and properly secured.

CAUTION

All electrical parts and wiring must be shielded from torch flame. DO NOT allow torch to touch insulation; it will char at 200°F and flash ignite (burn) at 500°F. Excessive heat will distort the plastic liner.

NOTE

This product comes equipped with an Adaptive Defrost Control (ADC). To activate manual defrost, simultaneously press and hold the Fresh Food up (+) and Fresh Food down (-) keys for 5 seconds. A "d" in the freezer temperature window and "F" in the refrigerator temperature window will display when the heater is activated. To deactivate manual defrost, simultaneously press and hold the Fresh Food up (+) and Fresh Food down (-) keys for 5 seconds. A "d" and "F" will be displayed until the defrost cycle is complete.

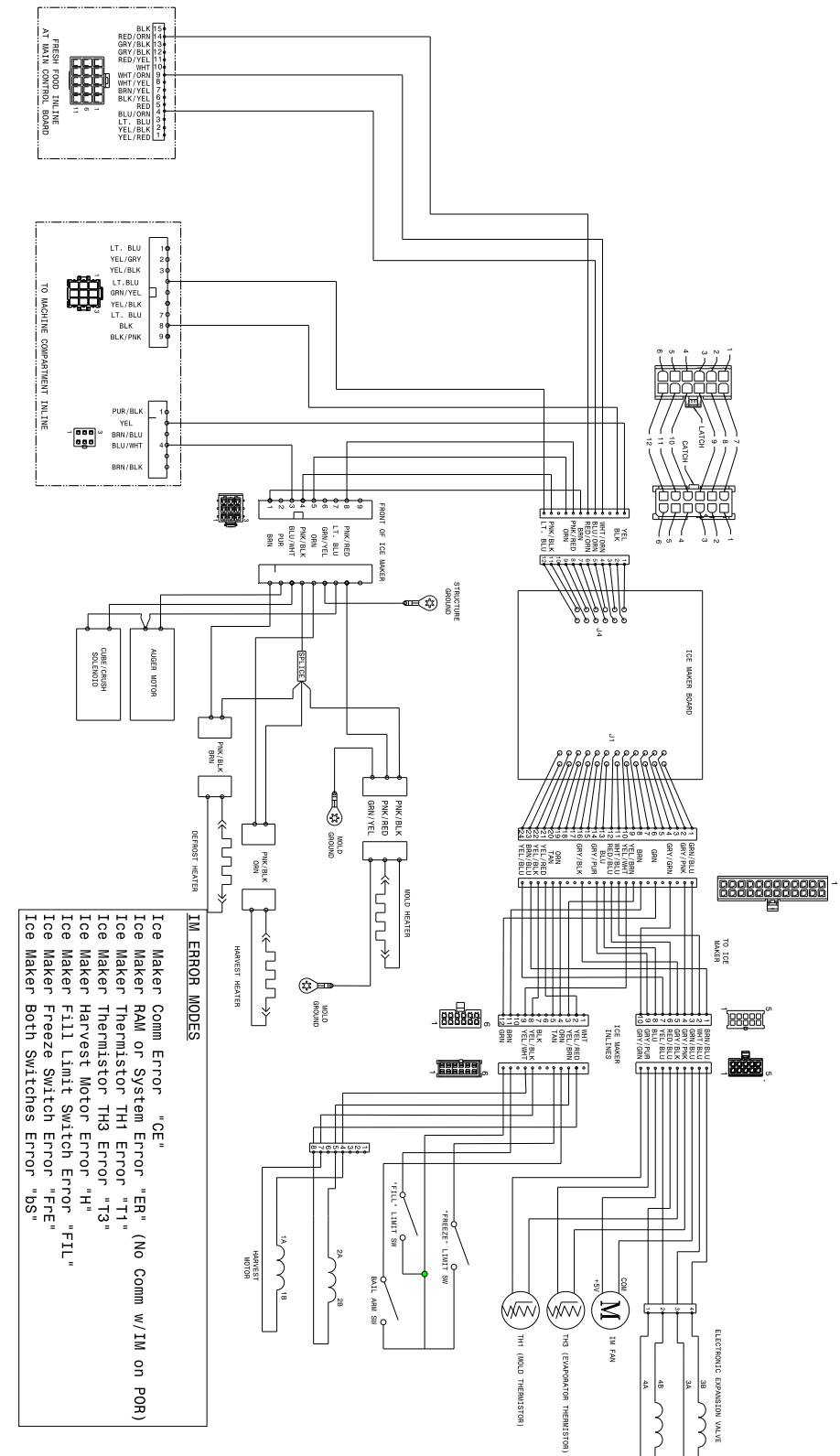
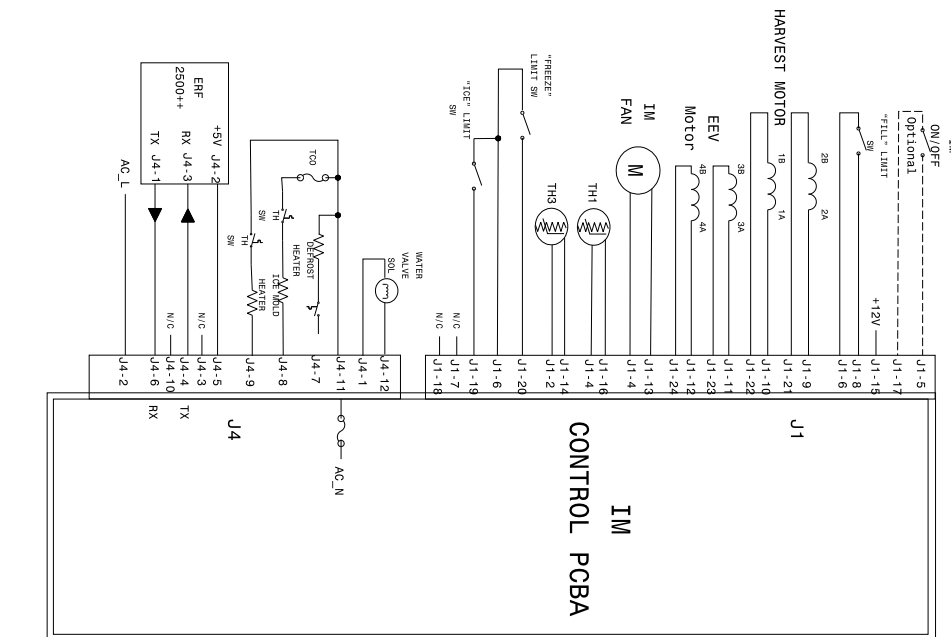
SERVICE DATA SHEET

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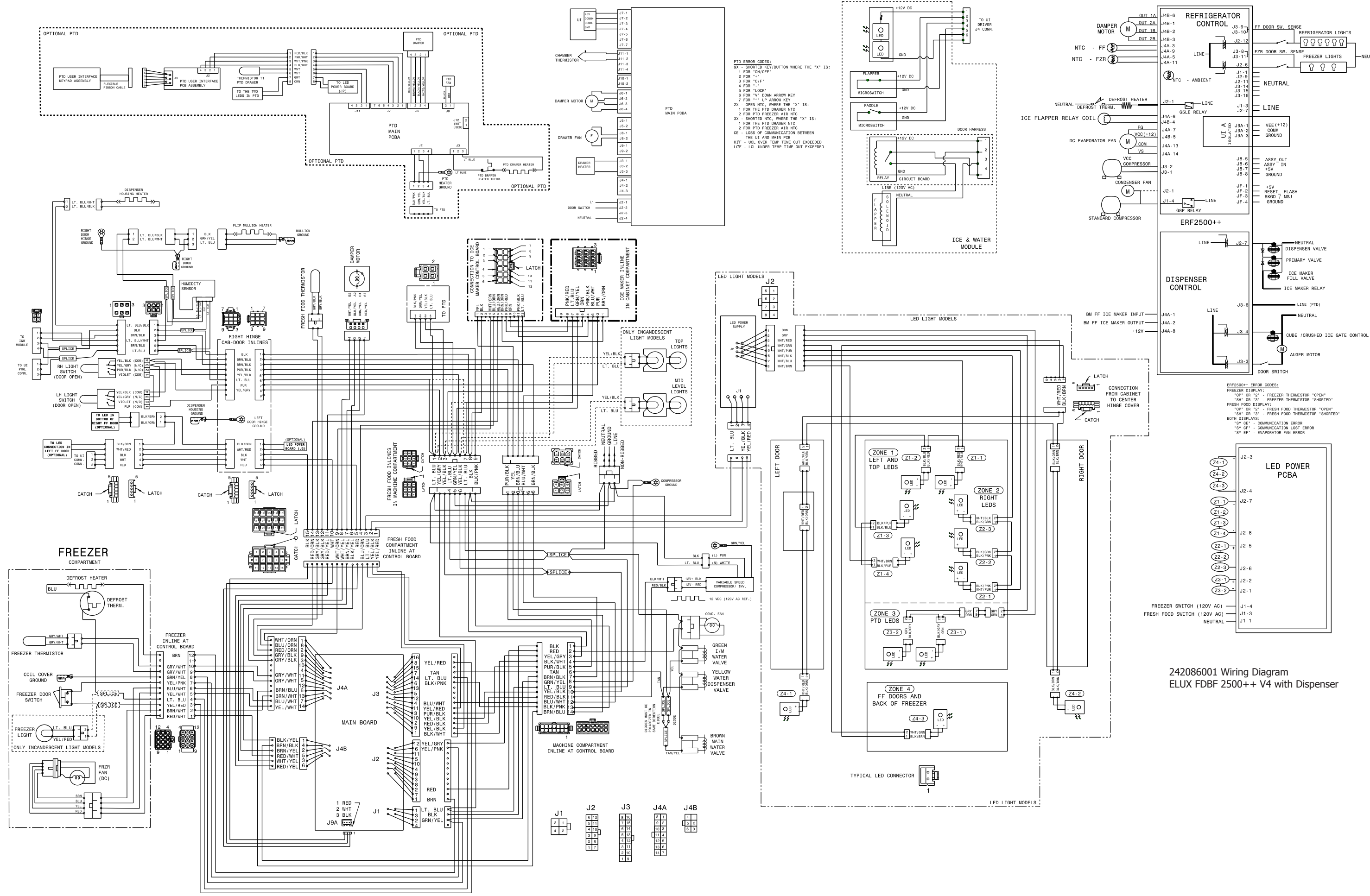
ICE & WATER - AUTOMATIC DEFROST BOTTOM FREEZER - R134a

Ice Maker Errors Displayed on "UI"			
ERROR			
Ice	Er	I/M/RAM Error (on POR only) Detection - on POR only. This error is detected as "no com/data link with IM" by ERF 2500++ system controller (PB).	
Ice	IP	Invalid Protocol (this error is detected when the version of I/M pcb does not match version of 2500++ system controller)	
Ice	CE	I/M Com Lost only after POR (no communication between the I/M pcb and the 2500++ system controller.)	
Ice	I3	TH3 Error (open or short) This error is detected when the thermister has failed on the suction line of the I/M.	
Diagnostic Mode		Note: See Service Manual for complete description.	
Test	Activate: Hold FF (+) and FZ (+) for 5 sec. De-activate: Hold FF (+) for 5 sec.	52C	TH3 Status "1" ok "ER" Replace
40C	If "1" no error If "Er" Mold Heater error	54C	Mold heater test, on or off
41C	If "1" no error If "Er" Harvest Heater error	55C	Water valve test (See Note)
42C	If "1" no error If "Er" Bail Arm Switch error	56C	Finger evap heater, on or off
43C	If "1" no error If "Er" Ice Tray stuck in Fill Position	57C	Fan test, on or off
44C	If "1" no error If "Er" Ice Tray stuck in Freeze Position	58C	Ice level sensor switch test
45C	If "1" no error If "Er" Ice Tray stuck in Intermediate Position	59C	Fill limit switch test (See Note)
46C	If "1" no error If "Er" Freeze and Fill Switches activated at same time	60C	Freeze limit switch test (See Note)
47C	If "1" no error If "Er" Freeze Switch closed (should be open)	61C	IM evap heater test
48C	Freezer Recover Mode, "1" ok "Fr" Recovery mode, Icemaker in "off" state. (See Note)	62C	EEV test
49C	EEV On=Open Off=Closed, EEV must be in the open state for sealed system evacuation.	63C	Harvest motor system test (See Note)
50C	Com Link "1" ok "ER" error	64C	Software version
51C	TH1 Status "1" ok "ER" Replace		

System Error Codes Displayed on "UI"			
ERROR		Diagnostic Mode	
		Note: See Service Manual for complete description.	
		Test: Activate: FZ (+) and FZ (-) for 5 sec. De-activate: Hold FF (+) for 5 sec.	
OP or 2	Freezer Sensor OPEN	1	Standard compressor
SH or 3	Freezer Sensor SHORTED	2	Defrost heater
OP or 2	FF Sensor OPEN	3	FF lighting
SH or 3	FF Sensor SHORTED	8	Water valve, water disp.
SY	EF Evaporator Fan Circuit	9	FZ lighting
SY	CF Communication error	10	Auger motor
SY	CF Communication error	11	Cube/crush solenoid
dF	No Defrost Current	41	Perfect Temp Drawer
		12	VCC Condensor fan
		38	VCC Compressor
		15	Evaporator fan
		22	Damper
		23	Fresh food door
		24	Freezer door
		26	Defrost limit switch
		28	Dispenser paddle
		36	Ice door
		29	FF Thermistor
		30	FZ Thermistor
		33	Ambient Thermistor
		0-	Software version



IMPORTANT
PLEASE RETURN THIS SHEET TO IT'S ORIGINAL LOCATION.



242086001 Wiring Diagram
 ELUX FDBF 2500++ V4 with Dispenser