

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

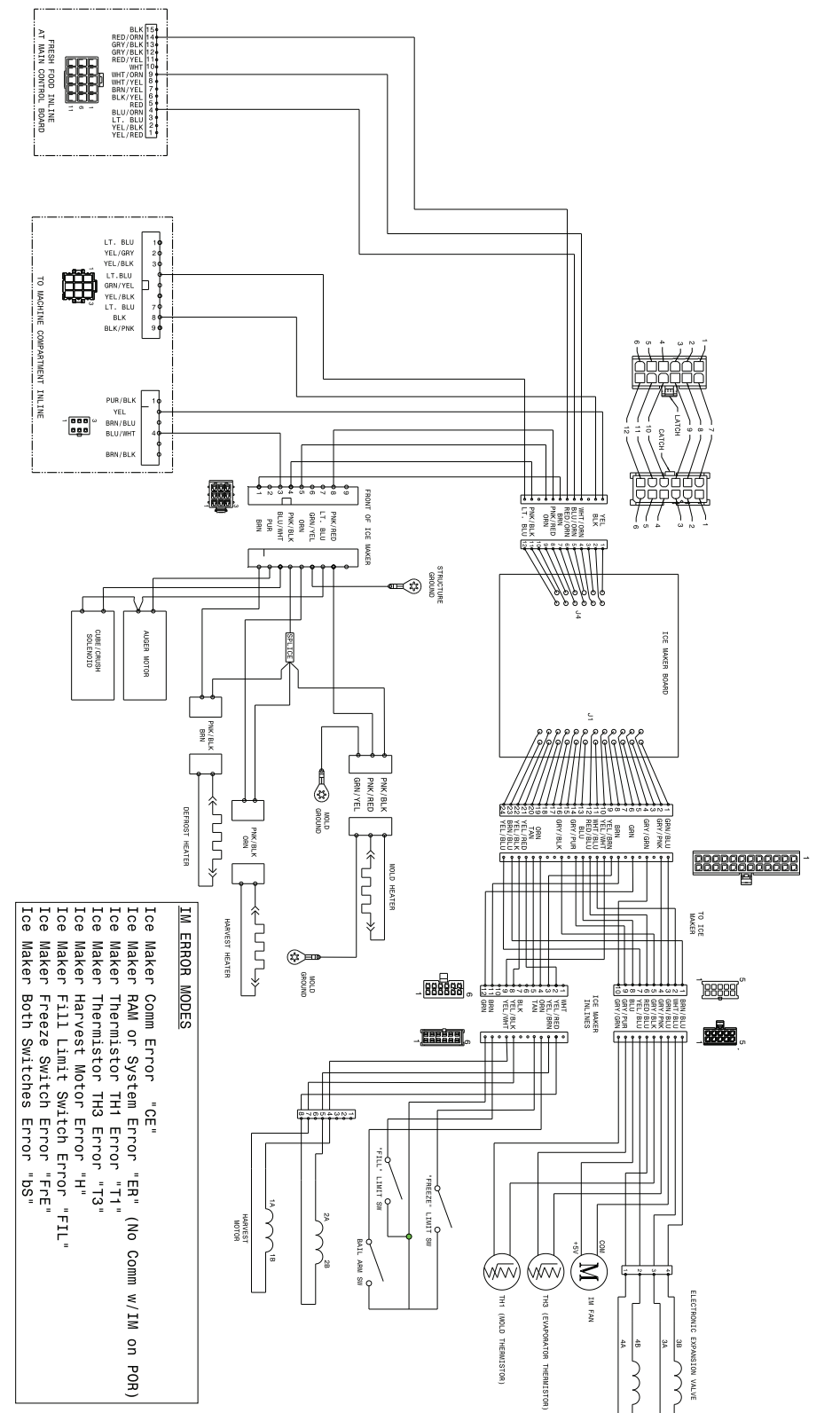
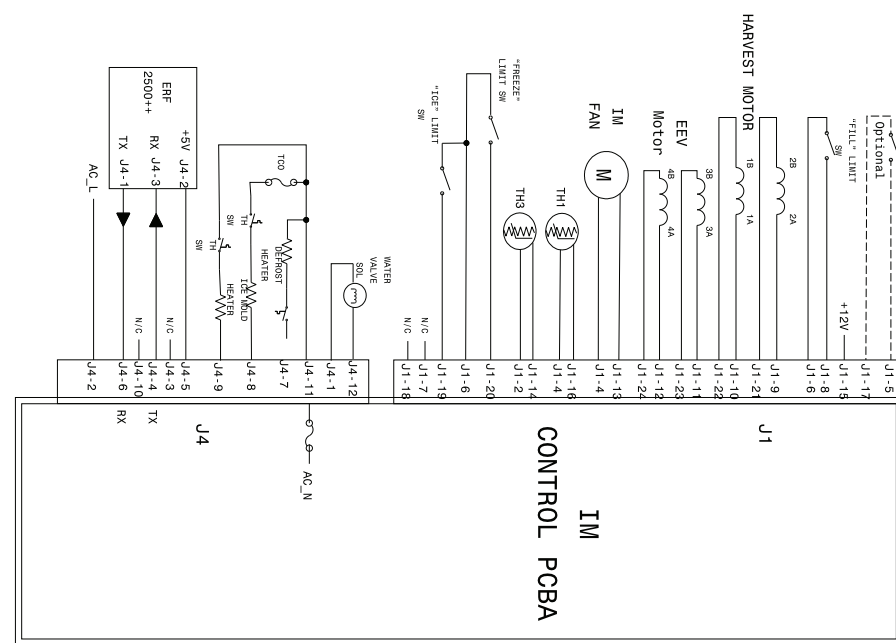
This product comes equipped with an Adaptive Defrost Control (ADC). To activate manual defrost, simultaneously press and hold the Fresh Food up (+) and Fresh Food down (-) keys for 5 seconds. A "d" in the freezer temperature window and "F" in the refrigerator temperature window will display when the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

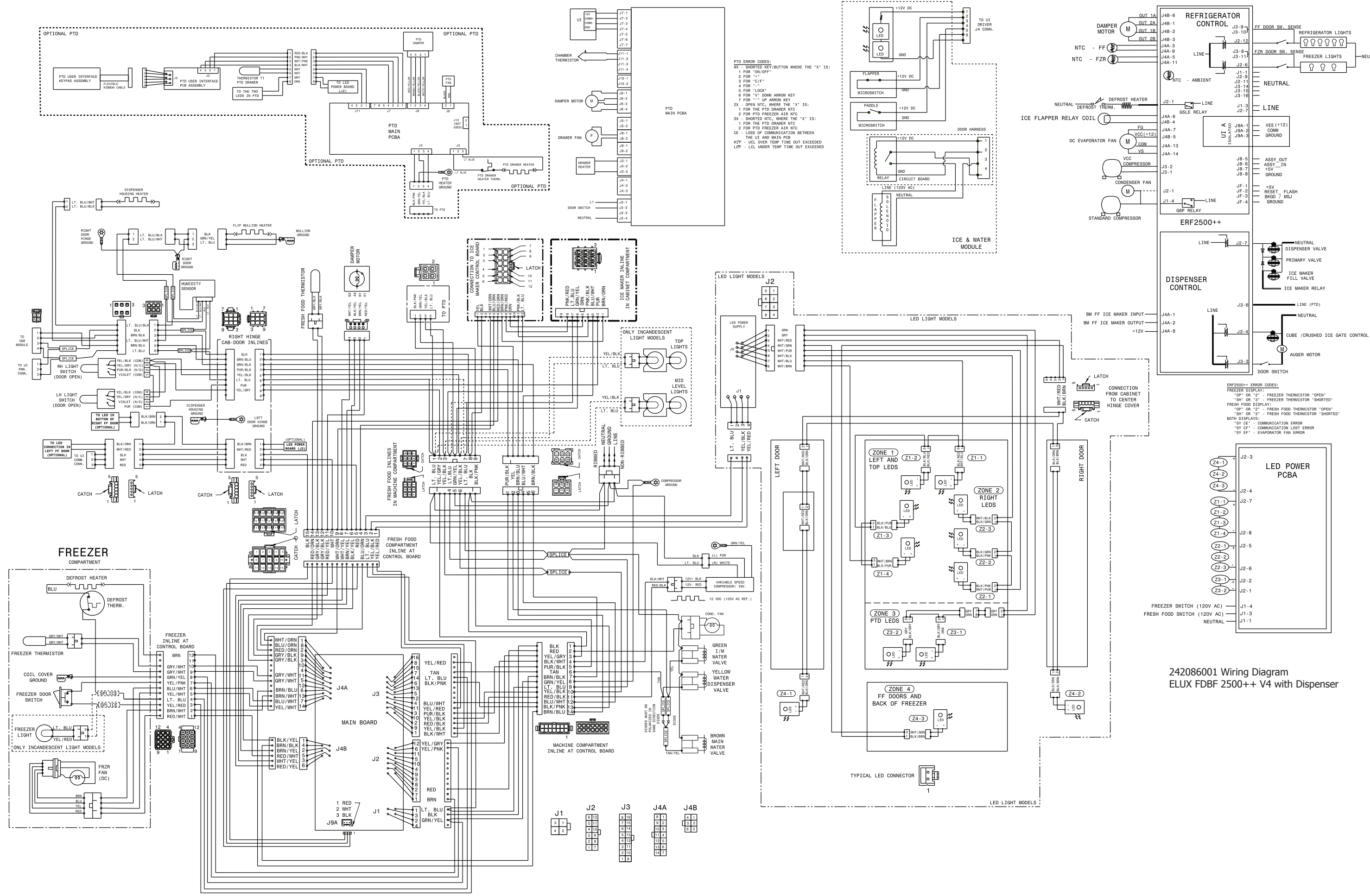
242047000

### ICE & WATER - AUTOMATIC DEFROST BOTTOM FREEZER - R134a

Ice Maker Errors Displayed on "UI"						
ERROR		Test	Diagnostic Mode	Note:	See Service Manual for complete description.	
Ice	Er	IM/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).	48C	Freezer Recover Mode, "1" ok "Fr" Recovery mode, Ice maker in "off" state. (See Note)	57C	Fan test, on or off
Ice	IP	Invalid Protocol (this error is detected when the version of IM pcb does not match version of 2500++ system controller)	49C	EEV On=Open Off=Closed, EEV must be in the open state for sealed system evacuation.	58C	Ice level sensor switch test
Ice	CE	IM Com Lost only after POR (no communication between the IM pcb and the 2500++ system controller.)	50C	Com Link "1" ok "ER" error	59C	Fill limit switch test (See Note)
Ice	t3	TH3 Error (open or short) This error is detected when the thermister has failed on the suction line of the I/M.	51C	TH1 Status "1" ok "ER" Replace	60C	Freeze limit switch test (See Note)
			52C	TH3 Status "1" ok "ER" Replace	61C	IM evap heater test
			54C	Mold heater test, on or off	62C	EEV test
			56C	Finger evap heater, on or off	63C	Harvest motor system test (See Note)
			55C	Water valve test (See Note)	64C	Software version
System Error Codes Displayed on "UI"				Diagnostic Mode	Note:	See Service Manual for complete description.
ERROR		Test	Activate: FZ (+) and FZ (-) for 5 sec.			
OP or 2		Freezer Sensor OPEN	1	Standard compressor	22	Damper
SH or 3		Freezer Sensor SHORTED	2	Defrost heater	23	Fresh food door
OP or 2		FF Sensor OPEN	3	FF lighting	24	Freezer door
SH or 3		FF Sensor SHORTED	8	Water valve, water disp.	26	Defrost limit switch
SY	EF	Evaporator Fan Circuit	9	FZ lighting	28	Dispenser paddle
SY	CE	Communication error	10	Auger motor	36	Ice door
SY	CF	Communication error	11	Cube/crush solenoid	29	FF Thermistor
	dF	No Defrost Current	41	Perfect Temp Drawer	30	FZ Thermistor
			12	VCC Condensor fan	33	Ambient Thermister
			38	VCC Compressor	0-	Software version
To initiate manual defrost press and hold, for 5 sec. FF(+) and FF(-), (d) and (f) will be displayed.						
			15	Evaporator fan		
				De-activate: Hold FF (+) for 5 sec.		



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



242086001 Wiring Diagram  
 ELUX FDBF 2500++ V4 with Dispenser