PERFORMANC	E DATA NO L	.OAD & NO D	DOOR OPEN	NGS AT 37°/	0°	
		ITROL SETT				
Type A with Run / Start Capacitor	65°F (18°C) Ambient		90°F (32°C) Ambient			
Operating Time			100%			
Freezer Temperature	-5° to 2°E		-1° to 3°F (-18° to -16°C)			
Refrigerator Temperature	34° to (1° to) 39°F 9 4°C)	34° to 39°F (1° to 4°C)			
Low Side Pressure		6 psig 41 kPa)	-2 to 6 psig (-14 to 41 kPa)			
High Side Pressure (last 1/3 cycle)	85 to 1 (586 to 7	05 psig 724 kPa)	120 to 135 psig (827 to 931 kPa)			
Wattage (last 1/3 cycle)	30 t	o 50		50 to 70		
Amps (running)	.4 t	o .8		.7 to .9		
Base Voltage	115 vac (127	7 vac max)				
	DEFROS	T SPECIFIC	ATIONS			
Cabinet Size:	Thermal Cutout		Heater		Defrost Heater Termination	
27' & 28' SD, 22' CD	Cut-in	Cut-out	Watts	Ohms	Cut-out	
	110°F (43.3°C)	135°F (57.2°C)	500	26.5	48°F (8°C)	
	CONDE	NSER FAN M	IOTOR			
Watts	RPM		Amps			
3.1	1100 CW 0.03 Running			9		
FI	REEZER ICE	MAKER SPE	ECIFICATION	S		
Electrical	115 vac (127 vac max)					
Thermostat	Opens at 48°F (9°C), Closes at 15° F (-9°C)					
Heater Voltage 115 vac						
	POW			NE	UTRAL	
P-3 THERMAL CUT-OUT CUT-OUT GRN / YEL P-1 MOLD MOUNTIN PLATE		BLK W		NO NC HUTOFF SWITCH	(P	

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.

Motor Gear-

Plate Screw

FREEZER ICE MAKER INFORMATION

(Where Applicable)

Test Cycling: Remove cover by inserting screwdriver in notch at bottom and prying cover from housing. Use screwdriver to rotate motor gear counterclockwise until holding switch circuit is completed. All components of ice maker should function to complete the cycle.

Water Fill Volume: The water fill adjustment screw will change the fill time. One full turn is equal to 20cc (.68 oz.). The correct fill is 102 to 130cc (3.4 to 4.3 oz.). When a water valve is replaced, the fill volume must be checked.



A06031201

Activate:

FREEZER ICE MAKER - AUTOMATIC DEFROST

BOTTOM FREEZER - R134a

IMPORTANT: PLEASE RETURN THIS SHEET TO ITS ORIGINAL LOCATION.

	ERROR CODES		SPECIAL MODES					
Display Interpretation		Interpretation	Mode	Display		Activate	Deactivate	
FZ	FF]		FZ	FF	(Press for up to 10	sec. simultaneously	
	OP	Open FF Cavity Thermistor	Manual Defrost	d	F	FF + and FF -	Same to deactivate	
OP		Open FZ Cavity Thermistor	Demo / Show- room	77	77	FZ + and FF -	Unplug to deactivate	
	SH	Shorted FZ Cavity Thermistor	Sabbath	Sb	Sb	FZ - and FF +	Same to deactivate	
SH		Shorted FZ Thermistor	System Diag- nostic	Blank UI dis- play, no LEDs illuminated		FZ + and FZ -	Press and hold FF + to deactivate	
SY	CF	UI to Main Board communication failure; on start up	Current Air Temps	FZ Temp	FF Temp	Default Settings and Temp Mode Buttons	Automatically after 10 seconds	
SY	CE	UI to Main Board communication error; after a period of operation	 Notes: Always check for pin back-outs, pinched or damaged wires before replacing components. Determine whether failure is caused by the component, main control board or wiring. Contact TID before replacing main control board. Refer to Service Manual for additional information. 			ent, main control		
SY	EF	Freezer Evaporator Fan Failure				in control board.		



Service Mode For Perfect Temp™ Drawer

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Service would For Perfect	i lemp ···· Drawer					
Activation	Test Operation	Damper Test	Report NTC		0-	Firmware Parameters
This mode is accessible only when the drawer is in OFF mode. Press and hold the	The up/down buttons will be used to navigate through the tests and	Display shows "d1" for damper open, or "d0" for damper	Temperature Test Display shows "b1" for chamber sensor test. The UI		1-	Main Board Firmware
temperature decrease key (-) and the temperature increase key (+) for 5 seconds.	the ON/OFF button will be used to initiate the displayed test.	closed. Damper movement may take 30 seconds.	display will show — °F until the main board responds with associated sensor temperature reading.		3-	UI Firmware
Deactivation	Fan Test	To Test Damper	lg-			MPORTAN
Press and hold the tempera- ture (+) key for 5 seconds, or no keys pressed in 5 min- utes returns to the OFF mode of operation.	Display shows "F1" for fan on or "F0" for fan off. Heater Test Display shows "H1" for heater ON or "H0" for heater OFF.	 Remove drawer. Start damper test. Observe damper moving open and closed. Exit damper test. 	Display Test "L0" for display test. The display test will cycle through all the display seg- ments with a minimal on time for each segment.		The in attem	nformation pro npt to make rep IMPORTANT / green ground erly secured.
	Fault Codes Listed	on Diagram Sheet]		

			"LO," "HI" or numerical results of tests. w as appropriate to determine results of tests.	
	Test	To activate test:	Passing result	
	First Screen		Blank UI display, no LEDs illuminated.	
	Second Screen		All LED lights on UI illuminated.	
	Third Screen		Blank UI display, no LEDs illuminated.	
46	Humidity Sensor	Activates automatically	"OP" if open, "SH" if short. AC Heater System: Displays %RH. I Heater System: "HI" - heater should be on. "Lo" - heater should be off. %RH is displayed when humidity is between "Lo" and "H values; heater could be on or off.	
2	Freezer Defrost Heater	Press power on-off	Freezer defrost heater on when "on"; off when "off". Evapor thermistor temperature is flashed. Watch for temp increase heater on. It may take a few minutes for the evaporator to h	
3	FF Lights powered by external board	Press power on-off	FF lights on when "on"; off when "off"	
12	Condenser Fan	Press power on-off	Fan running when "on"; stopped when "off"	
41	Perfect Temp Drawer (PTD)	Press power on-off	PTD UI illuminated when "on"; off when "off"	
43	Mullion Anticon- densation Heater	Press power on-off	Flip Mullion Heater on when "on"; off when "off"	
38	VCC Compressor	Press power on-off	Compressor on when "on"; off when "off"	
15	Freezer Evaporator Fan	Press power on-off	Press to toggle between "off", "Lo" and "HI". A current sensor reading is flashed (units are not mA). OFF reading should be around 2. "Lo" speed reading should settle down to around 9. " speed reading should settle down above 40.	
20	FZ Lights	Press power on-off	FZ lights on when "on"; off when "off"	
22	Damper	Press power on-off	With inspection mirror, observe damper open when "OP"; closed when "C	
23	FF Door	Open/close FF door	"CL" on UI when door closed; "OP" when open	
24	FZ Door	Open/close FZ door	"CL" on UI when door closed; "OP" when open	
29	FF Thermistor	Activates automatically	Ul shows temperature sensed by FF thermistor; pass if within 10 of temperature measured with gauge at FF thermistor location. "OP" if open; "SH" if short	
30	FZ Thermistor	Activates automatically	UI shows temperature sensed by FZ thermistor; pass if within 10 of temperature measured with gauge at FZ thermistor location. "OP" if open; "SH" if short	
33	Ambient Thermis- tor @ Main Board	Activates automatically	Ul shows temperature sensed at main board; pass if within +20 10°F of temperature measured with gauge at main board locatic "OP" if open; "SH" if short	
34	Ambient Thermis- tor @ UI	Activates automatically	UI shows temperature sensed at UI; pass if within +20°F/-10°F of temperature measured with gauge at UI location. "OP" if oper "SH" if short	
39	Freezer Evapora- tor Thermistor	Activates automatically	UI shows temperature sensed by freezer evaporator thermistor; p if within 10°F of temperature measured with gauge at evaporator thermistor location. "OP" if open; "SH" if short	
0-	Firmware Parameters	Press power on-off	Displays digit sequence; record	
1-	Main Board Firmware	Press power on-off	Displays digit sequence; record	
3-	UI Firmware	Press power on-off	Displays digit sequence; record	

SYSTEM DIAGNOSTIC MODE

Press FZ UP and FZ DOWN for up to 10 sec. simultaneously. Press FF UP to advance

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

