FOR SERVICE TECHNICIAN'S USE ONLY

Tech Sheet **Do not Discard**

⚠ DANGER

Electrical Shock Hazard

Only authorized technicians should perform diagnostic voltage measurements.

After performing voltage measurements, disconnect power before servicing.

Failure to follow these instructions can result in death or electrical shock.

⚠WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

Voltage Measurement Safety Information

When performing live voltage measurements, you must do the following:

- **Verify the controls are in the off position so that the appliance does not start when energized.**
- **Allow enough space to perform the voltage measurements without obstructions.**
- **Keep other people a safe distance away from the appliance to prevent potential injury.**
- **Always use the proper testing equipment.**
- **After voltage measurements, always disconnect power before servicing.**

Component	Specifications all parts 115VAC/60HZ unless noted
Cooling	
Compressor	BTUH.....Variable VEGDGH
	Watt.....60 Hz / 98 watts
	Current Lock rotor.....3.3 amps± 15%
	Current Full load.....3.3 amps± 15%
	Resistance Run windings.....6.4 ohms± 15%
	Resistance Start windings.....6.4 ohms± 8%@77ºF
	Inverter.....3.6 VDC, red/white = 120 VAC
Electric damper control	Maximum closing time.....16 seconds
	Temperature Rating.....-11ºF - 110ºF
	RPM.....3
Condenser motor	Rotation.....Clockwise (facing end opposite shaft)
	RPM.....940 RPM
	Watt.....3.9 watts± 15% @115 VAC
	Note: Fan blade must be fully seated on shaft to achieve proper airflow.
Refrigerator Evaporator fan motor	Rotation.....Clockwise (facing end opposite shaft)
	RPM.....940 RPM
	Watt.....2.5± 15% watts @12.7 VDC

Component Specifications

Component	Specifications all parts 115VAC/60HZ unless noted
Cooling	
Freezer Evaporator fan motor	Volt.....Clockwise
	Wattage.....2700 RPM
	Resistance.....5.0± 15% watts @12.7 VDC
	Note: Fan blade must be fully seated on shaft to achieve proper airflow.
Freezer Evaporator Heater	Volt.....115 VAC
	Wattage.....435 ± 5% watts
	Resistance.....30.4± 5% ohms
Controls	
Control Board	Volt.....120 VAC, 60HZ See control board section for diagnostics
Thermistor	Temperature.....Resistance
	77ºF.....2700 ohms± 5.0%
	36ºF.....7964 ohms± 1.0%
	0ºF.....23,345 ohms± 2.0%
Light switch	Type.....SPDT NO/NC
	Volt.....125/250 VAC
	Current.....8/4 amps
Ice & Water	
Dual Water Valve	Watts.....Green side 10w Red side 35w
Isolation Valve	Watts.....20w (Green)
Ice Box Fan	Rotation.....Clockwise (facing end opposite shaft)
	RPM.....3500 RPM
	Watt.....4.2W± 15% watts @ 14 VDC

Control Board Troubleshooting

SWITCH DIAGRAM

SW1 SW2 SW3 SW4 SW5 SW6

To ENTER SERVICE DIAGNOSTICS Mode:
Press SW1 and SW2 simultaneously for 3 seconds. Release both buttons when you hear the CHIME indicator.
Unit must not be in Lockout prior to entering SERVICE DIAGNOSTIC MODE.
The display will show 01 to indicate the control is in step 1 of the diagnostics routine.

To EXIT SERVICE DIAGNOSTICS Mode: do one of the following 3 options:
- Press SW1 and SW2 simultaneously for 3 seconds.
- Disconnect the product from power.
- Allow 20 minutes to pass.
- Following the exit of the diagnostic mode, the controls will then resume normal operation.

NOTES:
- Cooling diagnostics are steps 1 through 6 and 32 through 41.
- Dispensing diagnostics are steps 8 through 31.
- Each step must be manually advanced.
- Press SW5 to move to the next step in the sequence.
- Press SW4 to back up in the sequence to the previous step.
- Diagnostics will begin at Step 1.
- Each step is displayed in the two digits of the dispenser user interface display.
- The step results are displayed in the two digits on dispenser user interface display 2 seconds after the step number is displayed. An amber order filter light will be shown to designate that the step number is being displayed and a red replace filter light will be shown to designate that the status of the step is being displayed.
- All button and pad inputs shall be ignored and all inputs shall be off except as described in the actions for each step.

Service Test - 1 FC thermistor
- The board will check the resistance value of the thermistor and display flashes results on the Temp Display. (01 = Pass, 02 = Open, 03 = Short).

Service Test - 2 RC Thermistor
- The board will check the resistance value of the thermistor and display the results on the Temp Display (01 = Pass, 02 = Open, 03 = Short).

No-Load Performance, Controls in Normal Position

	Kw/24 hr/±0.4			Percent Run Time/±10%			Cycles/24 hr /±10			Refrigerator Compartment Average Food Temperature ±4ºF/2ºC			Freezer Compartment Average Food Temperature ±5ºF/3ºC			Ice Maker Compartment Average Food Temperature ±5ºF/3ºC		
Ambient ºF/ºC	70ºF 21ºC	90ºF 32ºC	110ºF 43ºC	70ºF 21ºC	90ºF 32ºC	110ºF 43ºC	70ºF 21ºC	90ºF 32ºC	110ºF 43ºC	70ºF 21ºC	90ºF 32ºC	110ºF 43ºC	70ºF 21ºC	90ºF 32ºC	110ºF 43ºC	70ºF 21ºC	90ºF 32ºC	110ºF 43ºC
29 cu ft	1.3	1.9	3.6	49.4%	85.3%	89.2%	28.6	18.8	8.6	36.8ºF 2.7ºC	36.4ºF 2.4ºC	36.8ºF 2.6ºC	-2.1ºF -18.9ºC	1.6ºF -18.7ºC	7.3ºF -13.7ºC	24.5F -4.2ºC	22.2ºF -5.5ºC	21.6ºF -5.8ºC

Temperature Relationship Test Chart

	Refrigerator Evaporator Inlet/ Outlet ±5ºF/3ºC		Freezer Evaporator Inlet/Outlet ±5ºF/3ºC		Suction Line /±7ºF/4ºC		Average Total Wattage ±10%		Suction Pressure ±2 PSIG *		Head Pressure ±5 PSIG *	
Ambient ºF/ºC	70ºF 21ºC	90ºF 32ºC	70ºF 21ºC	90ºF 32ºC	70ºF 21ºC	90ºF 32ºC	70ºF 21ºC	90ºF 32ºC	70ºF 21ºC	90ºF 32ºC	70ºF 21ºC	90ºF 32ºC
29 cu ft	22.2ºF -5.4ºC	23.2ºF -4.9ºC	-5.7ºF -20.9ºC	-6ºF -21.1ºC	86.5ºF 30.3ºC	104ºF 40ºC	38	67.1	31.1	31.3	121	161.3

**** Pressures during FC cycle***

Control Board Troubleshooting

Service Test - 3 Evaporator Fan Motor and Air Baffle Motor
- Control the RC & FC Evaporator Fan Mtrs. by depressing SW3 (01 = Both Fan Mtr. off, 02 = FC Fan on).
- Depress SW3 once to advance. Step 3 will flash quickly and advances to steps 13/23 very quickly. The result is RC Fan on, Pantry Air Damper on. Pantry Air Damper will open and close automatically. (13 = Damper Open, 23 = Damper Closed. Verify airflow inside pantry on left hand side when damper is open, 912 displayed). Airflow in pantry will cease when 23 is displayed.
- Depress SW3 to advance to last step. (04 = Both RC & FC fans on).

Service Test - 4 Compressor/Condenser Fan Motor/Evaporator Fan
- There will be a delay of 3 seconds before start of sub step 01. Each step is timed and will be automatically proceed to the next step. User will not be allowed to exit step. If exit is attempted, an invalid chime will be produced.
- Control the Sealed System loads selecting SW3 (01 = Initialize Dual Evap Valve in home position (4 min), 02 = Close both RC & FC Evap Valve (1 min), 03 = Turn compressor ON (1 min), 04 = Keep compressor ON, drive the valve to RC position & turn RC fan ON, 05 = Keep compressor ON, drive the valve to FC position & turn FC fan ON. Verify airflow from the evaporator fan.
  NOTE: Advance quickly through step 4 keep from locking in. Once locked in you can't exit, must wait ten minutes approximately.

Service Test - 5 Compressor Status/Speed
- Initial Display, 02 = Minimum speed
- Depress SW3, Display = 03, Compressor ramps up to Max speed. When Max speed reached, 01 displayed.
- Depress SW3, Display = 04 Speed ramps down from Max to minimum speed, Display 02.

Service Test - 6 Defrost Heater/Bimetal/Sensor
- Switch on the defrost heater, wait 0.5 seconds and read the status of bimetal/sensor. Display will be blank until a valid reading is displayed (01 = Bimetal Closed/Sensor Short, 02 = Bimetal Open/Sensor Open, 03 = Pass (only in case a defrost sensor is present).

Service Test - 7 Defrost Mode
- Set the Defrost Mode using CHANGE SETTING KEYs. This value shall be stored on EEPROM (in the next Power-up the Defrost Mode shall be initialized according to this setting.) Initial display 01 = ADC ON, 02 = Basic Mode ON (8 hour timer).

Service Test - 8 All UI indicators
- Verify that all LED indicators and UI display digits turn on automatically. All indicators ON for 30 second timeout.

Service Test - 9 UI Button and Pad Test
- Displays the user Interface Buttons and Ice and Water Pads status as described in the Component Status Indicator column below.

NOTE: Do not use SW4 and SW5 as these are used only to navigate through the Service Diagnostics.

Press	Digit 1	Digit 2
SW1	1	
SW2	2	
SW3	3	
SW6	6	
Dispenser Pad		1

NOTE: SW4 and SW5 are used for navigation and are not displayed.

Service Test - 11 Dispenser Lighting
- Pressing SW3 will change the dispenser lighting setting from OFF (0%) to ON (100%) to DIM (50%) Status indicator is Blank.

Service Test - 15 Ice Level Sensor
- Displays the Ice Bin Status in real time on the UI display. Verify that the full and not full levels display correctly. (01 = Bin Full or not present, 02 = Bin Not Full).

Service Test - 16 RC Left Door Switch Input
- Displays the RC Door status in real time on the UI display. Verify that the open and close status display correctly. (01 = FC Door Open, 02 = FC Door Closed).

Service Test - 17 RC Right, Pantries, FC Doors Switch Input
- Displays the FC Door status in real time on the UI display. Verify that the open and close status display correctly. (01 = FC Door Open, 02 = FC Door Closed).

Service Test - 18 Ice Door Motor
- Displays the Ice Door stepper motor state on the UI display. Press ice paddle and verify that the mechanical operation of the ice door corresponds to the component status indicator.
  NOTE: Ice door will have a delay in closing after an ice paddle is released. (01 = Closed, 02 = Opening, 03 = Open, 04 = Closing).

Service Test - 19 Ice Maker Fill Tube Heater Status
- Control the Ice Maker Fill Tube Heater selecting SW3 (toggle between On and Off) (01 = ON, 02 = Off).

Service Test - 20 - Water Filter Usage Rating
- Displays in two sequential flashes the total water usage rating in gallons for the water filter on the UI display. Wait until dash is displayed which means end of the number. (00/0- to 99/9-) Example: 123 will be displayed as 12 3- .

Service Test - 21 Water Filter Time Rating
- Displays in two sequential flashes the total time rating in days for the water filter on the UI display. Wait until dash is displayed which means end of the number. (00/0- to 99/9) Example: 123 will be displayed as 12 3- .

Service Test - 22 Water Filter Usage
- Displays in two sequential flashes the current water filter status in gallons used since last rest on the UI display. Wait until dash is displayed which means end of the number. (00/0- to 99/9-) Example: 123 will be displayed as 12 3- .

Service Test - 23 Water Filter Time
- Displays in two sequential flashes the current water filter status in days since last reset on the UI display. Wait until dash is displayed which means end of the number. (00/0- to 99/9) Example: 123 will be displayed as 12 3- .

Service Test - 24 Water Filter Reset
- Display in two sequential flashes the current times the water filter was rest on the UI display. Wait until dash is displayed which means the end of the number. (00/0- to 99/9) Example: 123 will be displayed as 12 3- .

Service Test - 26 Main Control Software Version NOTE: Not normally used
- Displays in three sequential flashes the Main Control software version on the UI display.
  NOTE: This is repeatedly displayed during all time in this step. 00/00/00 to 99/99/99.

Service Test - 27 Dispenser UI Control Software Version NOTE: Not normally used
- Displays in three sequential flashes the Main Control software version on the UI display.
  NOTE: This is repeatedly displayed during all time in this step. 00/00/00 to 99/99/99.

Service Test - 29 Low Voltage IDI Software Version NOTE: Not normally used
- Displays in three sequential flashes the low voltage software version on the UI display.
  NOTE: This is repeatedly displayed during all time in this step. 00/00/00 to 99/99/99.

Service Test - 31 Touch Input Module Software NOTE: Not normally used
- Displays in three sequential flashes the Dispenser UI Control software version on the UI display.
  NOTE: This is repeatedly displayed during all time in this step. 00/00/00 to 99/99/99.

Service Test - 32 Ambient Thermistor UI Control
- This is an internal board test, The board will check the resistance value of the thermistor and display the results. (01 = Pass, 02 = Open, 03 = Short).

Service Test - 33 Humidity Sensor UI Control
- Relative Humidity Test (Humidity % Value 0-99 = pass or Er = Fail).

Service Test - 34 Vertical Mullion Heater Mode
- Set the Vertical Mullion Heater Sensor Mode by selecting SW3. (01 = Sensor Operation On, 02 = Sensor Operation Off (Heater on 100%)).

Service Test - 35 Vertical Mullion Heater Status
- Control the Vertical Million Heater selecting SW3 (toggle between On and Off) (01 = ON, 02 = OFF).

Service Test - 36 Ice Box Fan
- Check for fan operation. Control Ice Box Fan using SW3. Display the status on Temp Display. (01 = ON, 02 = OFF). Verify airflow from the IB fan.

Service Test - 37 Ice Box Thermistor
- The board will check the resistance value of the thermistor and display the results on the Temp Display. (01 = Pass, 02 = Open, 03 = Short).

Service Test - 38 Forced Defrost Mode
- Set the Forced Defrost Mode by selecting SW3, OF = No forced Defrost, Sh = Short Defrost, Lo = Long defrost.

Service Test - 39 RC Evap Thermistor
- The board will check the resistance value of the thermistor and display the results on the Temp Display. (01 = Pass, 02 - Open, 03 = Short.

Service Test - 40 Horizontal Mullion Heater Mode
- Set the Horizontal Mullion Heater Sensor Mode by selecting SW3. (01 = Sensor Operation On, 02 = Sensor Operation Off (Heater on 100%).

Service Test - 41 Horizontal Mullion Heater Status
- Control the Horizontal Mullion Heater selecting SW3. (toggle between On and Off) (01 = ON, 0= OFF).

Service Test - 41 Horizontal Mullion Heater Status
- Control the Horizontal Mullion Heater selecting SW3 (toggle between On and Off) (01 = ON, 02 = OFF).

Service Test - 42 UI EEPROM Control Software Version NOTE: Not normally used
- Displays in three sequential flashed the Dispenser UI Control software version on the UI display.
  NOTE: This is repeatedly displayed during all time in this step. 00/00/00 to 99/99/99.

Service Test - 45 Ice Maker Water Fill Test

NOTE: BEFORE INITIATION THIS TEST, GO TO STEP 57, INITIATE ICE MAKER HARVEST TO INSURE ALL ICE IS EJECTED FROM MOLD BEFORE FILLING.
- After an initial 3 second delay, displays the Ice Maker water fill stat on the UI display. Press SW3 to start a water fill. Pressing SW3 will toggle between ON and PAUSE. (02 = Off, 03 = On, 04 + Paused).

Service Test - 46 Water Dispensing Test
- Displays the status of the water dispense valve. Press the water pad to initiate a water dispense. (00 = Water Dispense Valve Off, 01 = Water Dispense Valve On).

Service Test - 56 Ice Maker Error Codes
- Displays active Ice Maker Error Codes on the UI display. (E0 = No Errors, E1 = No Cooling, E2 = Motor Lost Position, E3 = Heater Timeout, E4 = Dry Cycle, E5 = Timed Ice Making).

Service Test - 57 Ice Maker Harvest
- Press SW3 to activate a Harvest sequence. Digit 1 displays the state of the sequence. Digit 2 displays the outcome of the sequence. Once initiated, the sequence cannot be exited. Digit 1 0 = Heater and Motor OFF, 1 = IM Heater ON, 2 = Motor Rotating CW until it finds home position. Digit 2 0 = In Progress, 1 = Harvesting Completed, 2 = Harvesting not completed, Doors must be closed.
  NOTE: Harvesting Not Completed does not exit the step, but indicates the timeout of 70 seconds has passed.

Service Test - 58 Ice Maker Heater Activation and Thermistor
- Press SW3 to activate the Ice Maker Heater and to toggle between On and Off. Digit 1 displays the state of the heater. Digit 2 displays the thermistor state. Digit 1 0 = IM Heater OFF, 1 = IM Heater ON. Digit 2 0 - Temp warmer than harvest temp, 1 = Temp cooler than harvest temp, 2 = Open, 3 = Short.

Service Test = 59 Ice Maker Motor
- Press SW 3 to activate a Motor sequence and toggle through each step. Digit 1 displays the state of the motor. Digit 2 displays the status of the motor. Once initiated, the sequence cannot be exited. Digit 1 0 = Motor OFF, 1 = Motor Rotating CW until home position, 2 = Motor OFF, 3 = Motor Rotating CCW until home position. Digit 2 0 = In Progress, 1 = Harvesting Completed, 2 = Harvesting Not Completed.
  NOTE: Harvesting Not Completed does not exit the step, but indicates the timeout of 70 seconds has passed.

Service Test = 60 Pantry UI Software Version
- Displays in three sequential flashes the Pantry UI Control software version on the UI display.
  NOTE: This is repeatedly displayed during all time in this step. 00/00/00 to 99/99/99.

Service Test - 63 All Pantry UI indicators
- Verify that all pantry LED indicators and pantry UI display digits turn on automatically. All indicators ON for 30-second timeout.

Service Test - 64 Pantry UI Button Test
- Displays the pantry UI Buttons status.

Label	Control Key	Digit 1	Digit 2
Select	SW705	0	2

Service Test - 65 Pantry Thermistor
- The board will check the resistance value of the thermistor and display the results on the temp display. (01 = Pass, 02 = Open, 03 = Short).

Service Test - 66 Manufacturing Codes
- Displays the active manufacturing errors codes stored in the UI. Press SW3 to toggle between the Errors. See status on Temp Display (E0 = No Error, E1 = LPIM Motor Faulty, E2 = Damper Cycle not completed, E3 = Thermistor Faulty, E4 = Ice Bin not present or Full, E5 = Heater Bimetal Faulty, E6 = Dispenser UI EEPROM Faulty, Er = Communication Failure).
  NOTE: Step is used by Whirlpool Manufacturing plant only.

Service Test - 67 Water Filter Switch Status
- Displays the water filter switch status in real time on the UI display. Verify that the open and close status display correctly. (01 = Switch open/filter not installed, 02 = Switch closed/filter installed).

Service Test - 73 Pantry Heater Status
- Control the Pantry Heater selecting SW3 (toggle between On and Off) (01 = ON, 02 = OFF).

Service Test - 76 Icebox Fascia Heater
- Control the Icebox Fascia Heater selecting SW3 (toggle between On and Off) (00 = OFF, 01 = ON).

Service Test - 77 Defrost Thermistor
- The board will check the resistance value of the thermistor and display (01 = PASS, 02 = OPEN, 03 = SHORT).

Service Test - 78 Pantry UI Flashmap Version
- Displays in three sequential flashes the pantry UI flashmap version on the UI Display.
  NOTE: This is repeatedly displayed during all time in the step. 00/00.00 to 99/99/99.

Service Test - 80 LED Driver Software Version: NOTE: Not normally used
- Displays in three sequential flashes the LED driver software version on the UI Display.
  NOTE: This is repeatedly displayed during all time in the step. 00/00.00 to 99/99/99.

Service Test - 81 LED Driver Flash Software Version: NOTE: Not normally used
- Displays in three sequential flashes the LED driver flash software version on the UI Display.
  NOTE: This is repeatedly displayed during all time in the step. 00/00.00 to 99/99/99.

NOTE: This sheet contains important Technical Service Data
FOR SERVICE TECHNICIAN ONLY
DO NOT REMOVE OR DESTROY

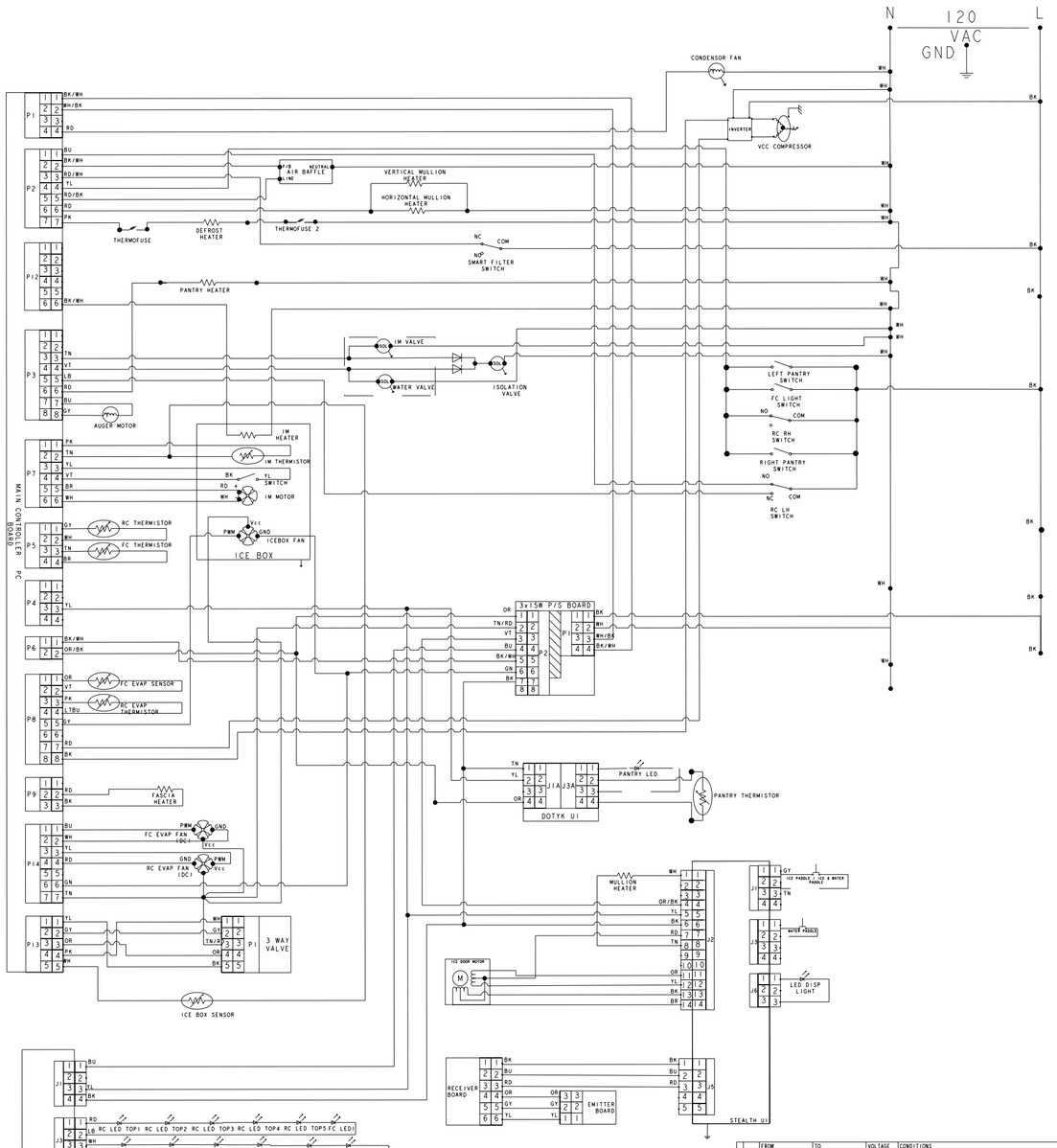
Schematic

DWG. No.: W10735493 Rev. C

Rev C

Wiring Diagram

Rev C



		FROM	TO	VOLTAGE	CONDITIONS
POWER SUPPLY	P1	P1-2	P2-2	115VAC	CONSTANT 115 VAC
		P1-3	P1-4		CONSTANT 115 VAC
	P2	P2-1	P2-5	CONSTANT 12.7 VDC	CONSTANT 12.7VDC
		P2-6	P2-7		CONSTANT 12.7VDC
		P2-3	P2-7		CONSTANT 12.7VDC
		P2-4	P2-8		
	P1	P1-1	P1-2	115VAC	CONSTANT 115 VAC
		P1-2	P1-4		CONDENSER FAN. SERVICE TEST 4. 115VAC IF CONDENSER FAN ON
	P2	P1-2	P1-3	115VAC	RC DOOR OPEN 115V. DOORS CLOSED = 0V
		P2-2	P1-2		AIR BAFFLE FEEDBACK. ACTIVATE SERVICE TEST 3, STEP 3
		P2-3	P1-2		FC DOOR OR LEFT PANTRY DOOR OR RIGHT PANTRY DOOR OR RIGHT RC DOOR OPEN 115V, DOORS CLOSED 0V
		P2-4	P1-1		WATER FILLTER REMOVED 115V, FILTER INSTALLED 0V
		P2-5	P1-2		AIR BAFFLE OUTPUT. ACTIVATE SERVICE TEST 3, STEP 3
		P2-6	P1-2		HORIZONTAL MULLION HEATER, VERTICAL MULLION HEATER OUTPUT 01:::115V, 02:0V
		P2-7	P1-2		FC DEFROST HEATER OUTPUT, THERMO FUSE, SERVICE TEST 6. 115V
	P3	P3-1	P1-2		ICE MAKER WATER VALVE.SERVICE TEST 25,DIGIT :::::115V
		P3-4	P1-2		WATER DISPENSING VALVE.SERVICE TEST 25,DIGIT 2::: 115V
		P3-5	P1-1		LEFT RC DOOR MUST BE CLOSED :::5V. OPEN: 0V
		P3-6	P1-2		PANTEY HEATER OUTPUT, SERVICE TEST 73 19,01:::15V . 02:0V
		P3-7	P3-8	130VDC	AUGER OUTPUT. LH RC DOOR CLOSED, ACTIVATE ICE PADDLE = 130-140VDC
MAIN CONTROL	P4	P4-3	COMMUNICATION		
	P5	P5-1	P5-2	5VDC	RC THERMISTOR OUTPUT ::.5-5VDC, MAXIMUM
		P5-3	P5-4		FC THERMISTOR OUTPUT ::.5-5VDC, MAXIMUM
	P6	P6-1	P6-2	12.7VDC	CONSTANT 12.7VDC
	P7	P7-1	P7-2	5VDC	IM THERMISTOR OUTPUT ::.5-5VDC, MAXIMUM
		P7-3	P7-4	12.7VDC	IM SWITCH
		P7-5	P7-6	12.7VDC	IM MOTOR OUTPUT TEST 57, SW3 TO ACTIVATE. UP TO 2MIN DELAY
	P8	P8-1	P8-2	5VDC	FC DEFROST THERMISTOR OUTPUT ::.5-5VDC MAXIMUM
		P8-5			ICE BOX FAN PWM CONNECTION
		P8-3	P8-4	5VDC	RC EVAP THERMISTOR OUTPUT ::.5-.5VDC MAXIMUM
		P8-7	P8-8	3-6VDC	INVERTER OUTPUT 3-6 VDC CONSTANT WHEN COMPRESSOR IS RUNNING
	P9	P9-2	P9-3	12VDC	ICE BOX FASCIA HEATER OUTPUT
	P12	P12-6	P1-2		IM HEATER OUTPUT TEST 58. WHEN DIGIT ::: HEATER ON :::15V)
	P13	P13-1	P13-2		3WAY REFIGERANT VALVE, CAN NOT CHECK VOLTAGE OUTPUT
		P13-3	P13-4		3WAY REFIGERANT VALVE, CAN NOT CHECK VOLTAGE OUTPUT
		P13-5		5VDC	ICE BOX SENSOR
	P14	P14-1	P14-2	14VDC	FC FAN MOTOR. OUTPUT ACTIVATE SERVICE TEST 3, STEP 2
		P14-3	P14-4		RC FAN MOTOR. OUTPUT ACTIVATE SERVICE TEST 3, STEP 3
		P14-7	P14-6		CONSTANT 14VDC
DISPENSER BOARD	J1	J1-1	J1-3	14VDC	CONSTANT 14VDC
		J1-2			COMMUNICATION
		J1-5			
EMITTER/RECEIVER		REFER TO SERVICE TEST 15 FOR VERIFYING THE EMMITTER /RECEIVER BOARDS			
PANTRY	J1A	J1A-4	J1A-1	14VDC	CONSTANT 14VDC
		J1A-2	COMMUNICATION		
	J3A	J3-2	J3-4	5VDC	PANTRY THERMISTOR OUTPUT ::.5-5VDC MAXIMUM
	J1	J1-1	J1-2	14VDC	*5VDC WHEN ICE DISPENSER PAD IS PRESSED, 14VDC WHEN RELEASED
		J1-1	J1-3		*ICE DISPENSER BUTTON IS PRESSED, (IF J1-3 USED)
		J1-2	J1-3		*ICE DISPENSER PAD IS PRESSED, (IF J1-3 USED)
	J2	J2-1	J2-8	14VDC	FLIPPER MULLION HEATER IN ON
		J2-4	J2-6	14VDC	CONSTANT 14VDC
		J2-7	J2-11	14VDC	*ICE DOOR STEPPER MOTOR IS ACTIVE
		J2-7	J2-12		*ICE DOOR STEPPER MOTOR IS ACTIVE
		J2-7	J2-13		*ICE DOOR STEPPER MOTOR IS ACTIVE
		J2-7	J2-14		*ICE DOOR STEPPER MOTOR IS ACTIVE
	J3	J3-1	J3-2	14VDC	*5VDC WHEN ICE DISPENSER PAD IS PRESSED, 14VDC WHEN RELEASED
		J3-1	J3-3		*WATER DISPENSER BUTTON IS PRESSED (IF J3-3 USED)
		J3-2	J3-3		*WATER DISPENSER PAD IS PRESSED (IF J3-3 USED)
	J5	J5-1	J5-3	14VDC	CONSTANT 14VDC
		J5-2	COMMUNICATION		
	J6	J6-1	J6-3	14VDC	DISPENSER LIGHT ON
AURORA	P1	P1-1	P1-4		CONSTANT 12.7VDC
		P1-3	COMMUNICATION		
	P2	P2-1	P2-2		SHELF LIGHTING OUTPUT
		P2-3	P2-4		FILL TUBE HEATER FREEZER FC 1M, FILLTUBE HEATER RC 1M OUTPUT
	P3	P3-1	P3-2		CAVITY LIGHT (POINT LED'S) OUTPUT
		P3-3	P3-4		CAVITY LIGHT (POINT LED'S) OUTPUT

NOTE: This sheet contains important Technical Service Data
FOR SERVICE TECHNICIAN ONLY
DO NOT REMOVE OR DESTROY