

WIRING DIAGRAM

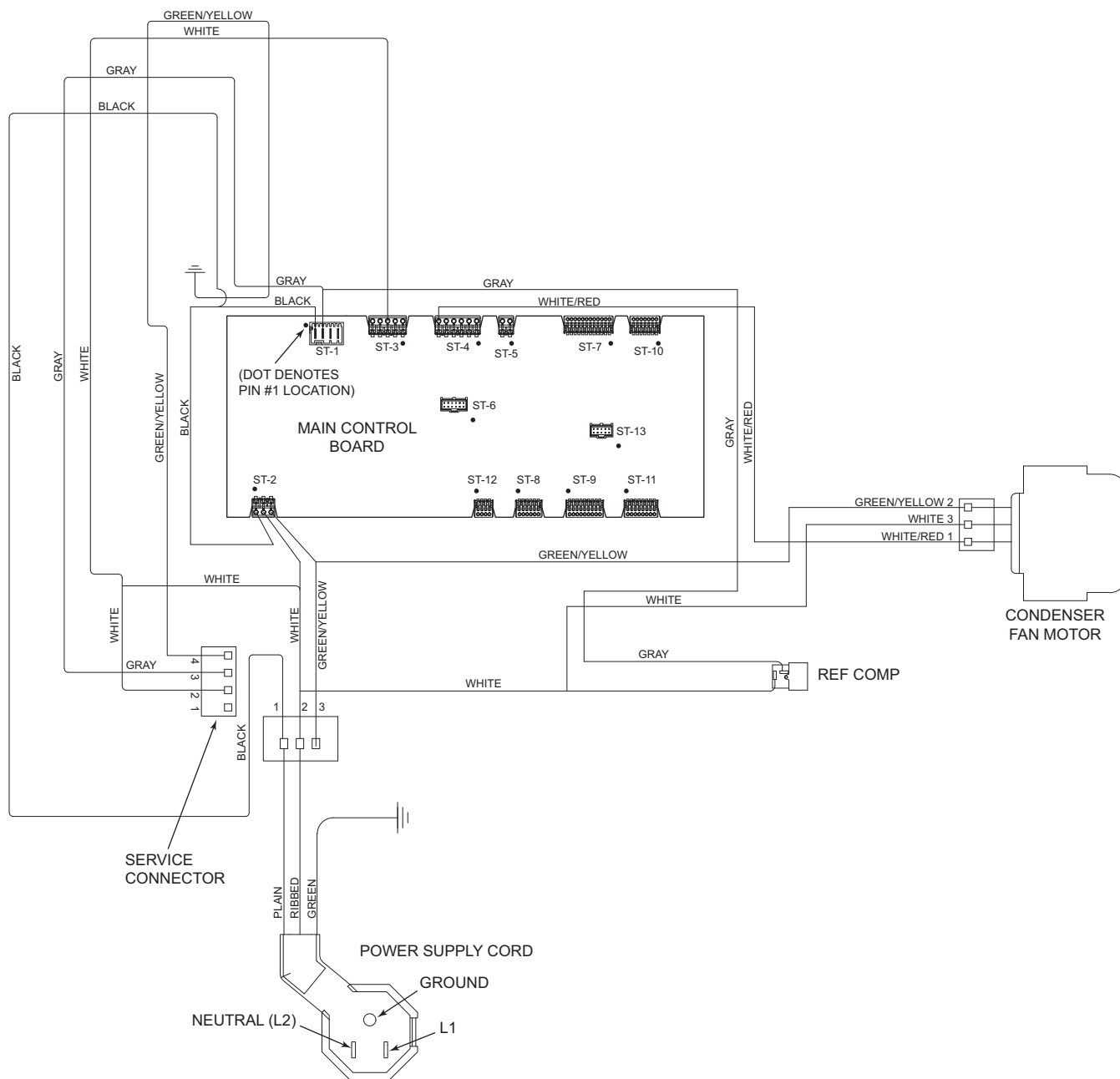
MODEL: IW-18, IW-24 & IW-30

PART NUMBER 7028207 Rev A

PLACE IN WIRING DIAGRAM BAG FOR FUTURE REFERENCE

WARNING

- This wiring information is provided for use by qualified service personnel only.
- Disconnect appliance from electrical supply before beginning service.
- Be sure all grounding devices are connected when service is complete.
- Failure to observe the above warnings may result in severe electrical shock.



WIRING DIAGRAM

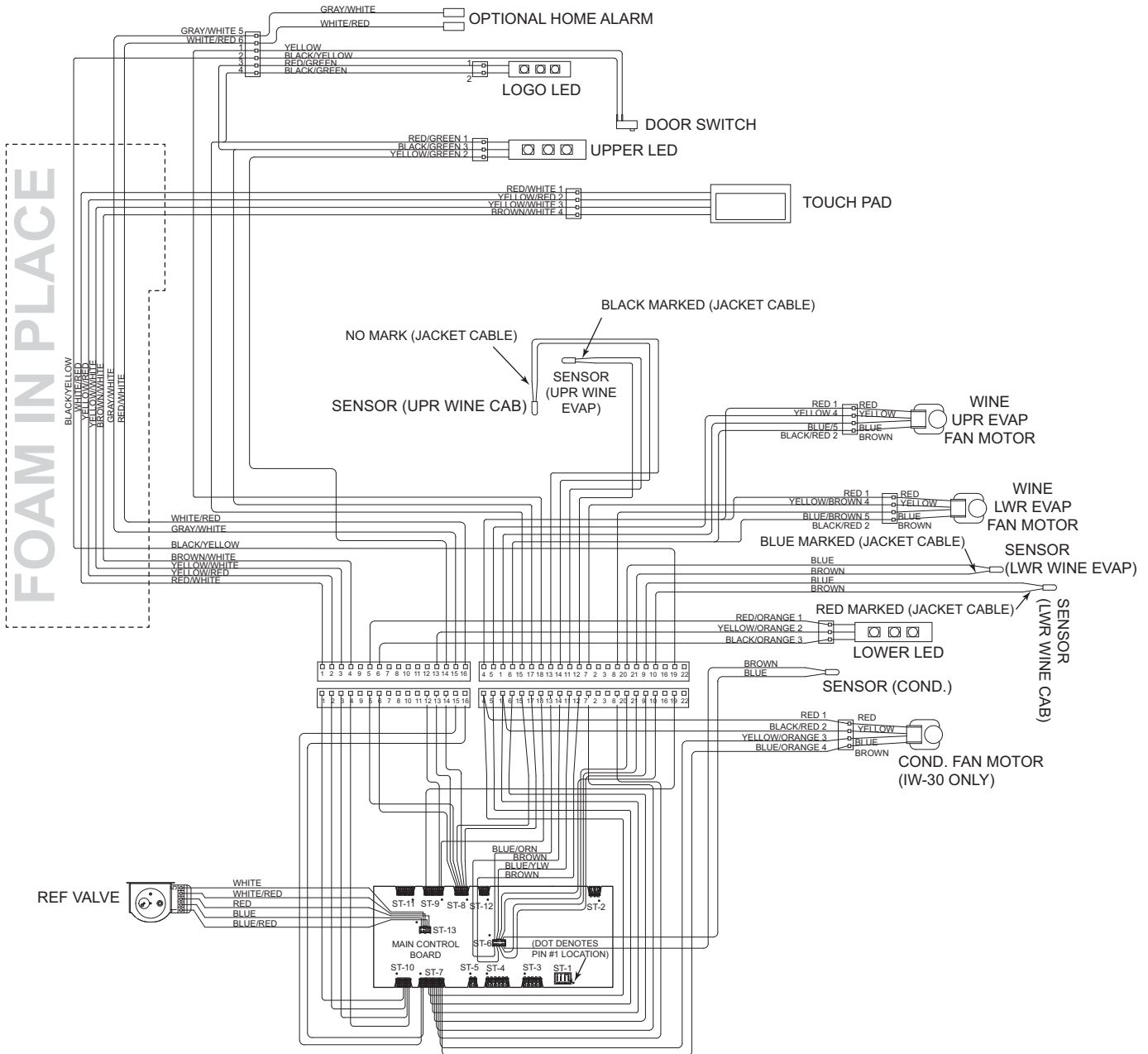
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LOW VOLTAGE

LOW VOLTAGE INTERFACE DIAGRAM

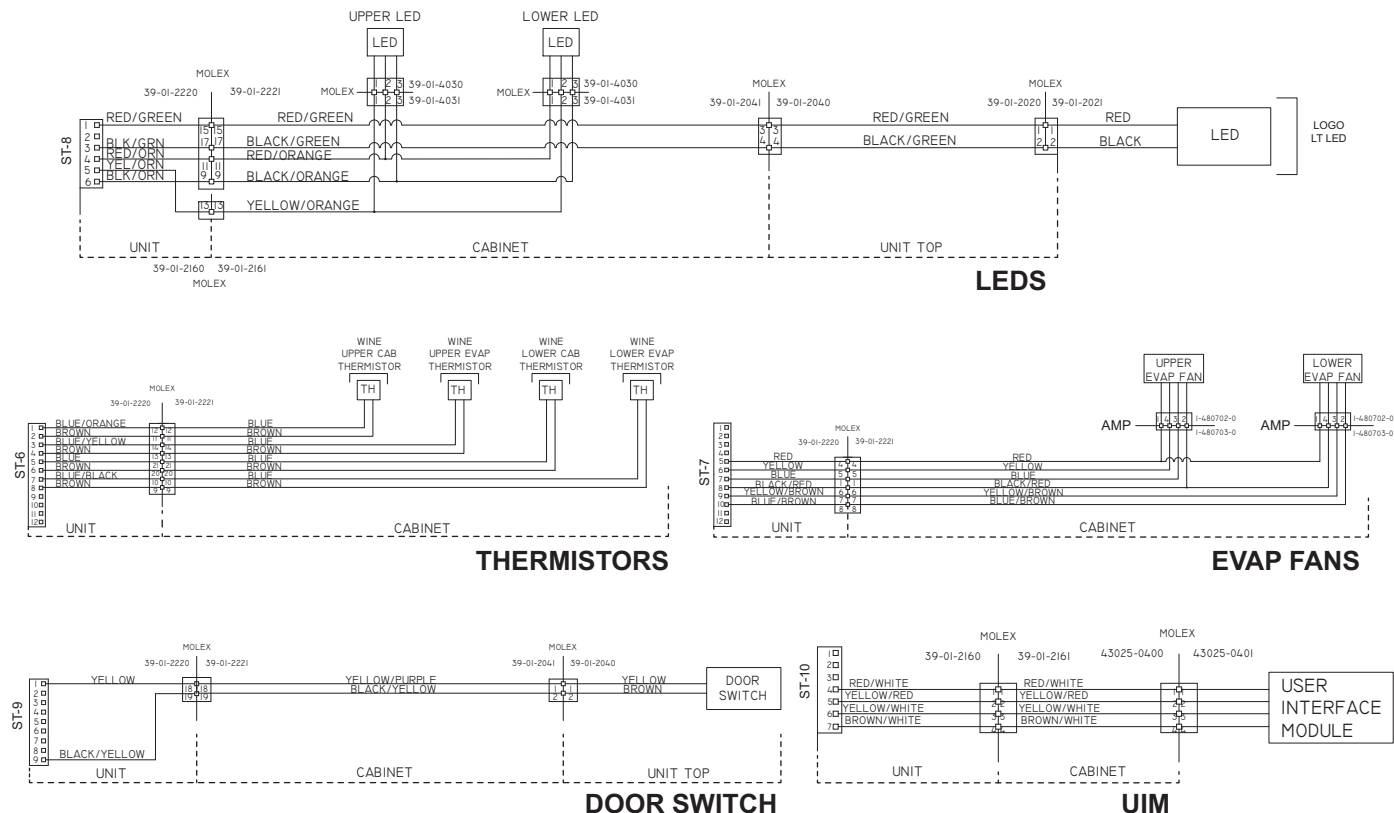
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CONNECTOR KEY

 39-01-2160	 39-01-2161	 39-01-2140	 39-01-2141
 39-01-2220	 39-01-2221	 39-01-2020	 39-01-2021
 39-01-2040	 39-01-2041	 1-480702-0	 1-480703-0
 1-480698-0	 1-480699-0	 43025-0400	 43025-0401
 39-01-4030	 39-01-4031	 39-01-4030	 39-01-4031

WIRING DIAGRAM

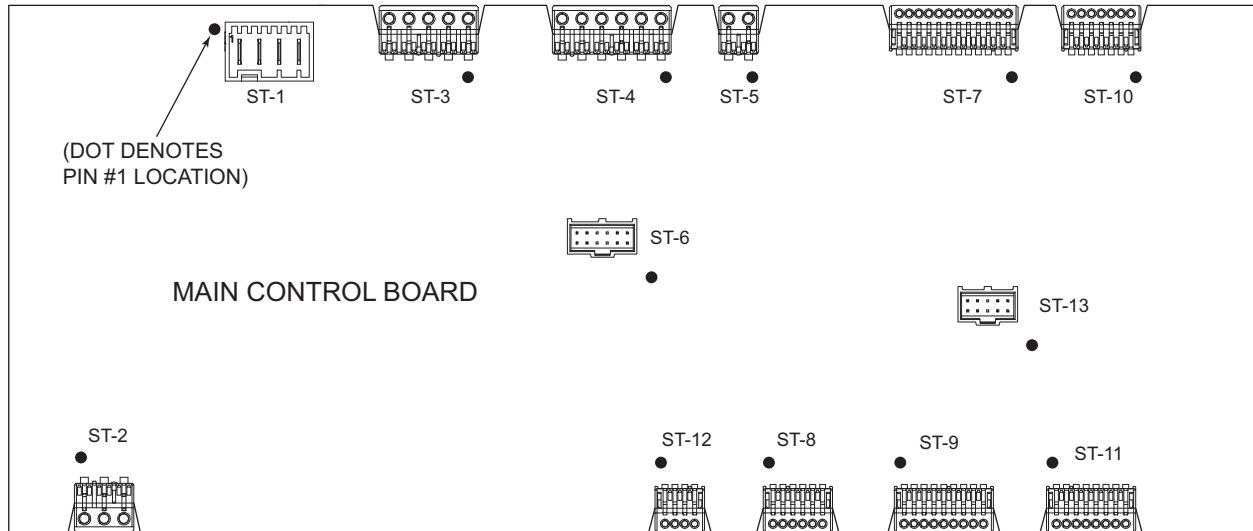
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IW CONTROL BOARD SUMMARY

CIRCUIT	DESCRIPTION	FUNCTION	COLOR	CIRCUIT	DESCRIPTION	FUNCTION	COLOR
120 VOLTAGE				LOW VOLTAGE CONT.			
ST1-1	POWER IN (L1)	POWER INTO BOARD	BLACK	ST10-1	UNUSED	UNUSED	--
ST1-2	WINE COMPRESSOR	POWER WINE COMPRESSOR	GRAY	ST10-2	UNUSED	UNUSED	--
ST1-3	UNUSED	UNUSED	--	ST10-3	UNUSED	UNUSED	--
ST1-4	UNUSED	UNUSED	--	ST10-4	UIM 12V POWER	UIM POWER	RED/WHITE
				ST10-5	UIM CAN BUS	UIM CAN_H	YELLOW/RED
ST2-1	LINE POWER SUPPLY	POWER INTO BOARD	BLACK	ST10-6	UIM CAN BUS	UIM CAN_L	YELLOW/WHITE
ST2-2	NEUTRAL	NEUTRAL INTO BOARD	WHITE	ST10-7	UIM GROUND RETURN	UIM RETURN	BROWN/WHITE
ST2-3	EARTH GROUND	GROUND	GREEN/YELLOW				
ST3-1	UNUSED	UNUSED	--	ST11-1	UNUSED	UNUSED	--
ST3-2	UNUSED	UNUSED	--	ST11-2	UNUSED	UNUSED	--
ST3-3	UNUSED	UNUSED	--	ST11-3	UNUSED	UNUSED	--
ST3-4	UNUSED	UNUSED	--	ST11-4	UNUSED	UNUSED	--
ST3-5	UNUSED	UNUSED	--	ST11-5	UNUSED	UNUSED	--
				ST11-6	UNUSED	UNUSED	--
ST4-1	UNUSED	UNUSED	--	ST11-7	UNUSED	UNUSED	--
ST4-2	UNUSED	UNUSED	--	ST11-8	UNUSED	UNUSED	--
ST4-3	UNUSED	UNUSED	--				
ST4-4	UNUSED	UNUSED	--	ST12-1	UNUSED	UNUSED	--
ST4-5	UNUSED	UNUSED	--	ST12-2	UNUSED	UNUSED	--
ST4-6	CONDENSER FAN	POWERS CONDENSER FAN	WHITE/RED	ST12-3	UNUSED	UNUSED	--
				ST12-4	UNUSED	UNUSED	--
ST5-1	HOME ALARM	HOME ALARM COMMON	GRAY/WHITE	ST13-1	STEPPER VALVES WINE	OUTPUT 1B	BLUE
ST5-2	HOME ALARM	HOME ALARM NORMALLY OPEN	WHITE/RED	ST13-2	STEPPER VALVES WINE	OUTPUT 1A	WHITE
				ST13-3	STEPPER VALVES WINE	OUTPUT 2A	WHITE/RED
LOW VOLTAGE CIRCUITS				ST13-4	STEPPER VALVES WINE	OUTPUT 2B	BLUE/RED
ST7-1	UNUSED	UNUSED	--	ST13-5	STEPPER VALVES WINE	POWER	RED
ST7-2	UNUSED	UNUSED	--	ST13-6	UNUSED	UNUSED	--
ST7-3	UNUSED	UNUSED	--	ST13-7	UNUSED	UNUSED	--
ST7-4	UNUSED	UNUSED	--	ST13-8	UNUSED	UNUSED	--
ST7-5	EVAP FAN 12 VDC POWER	EVAP FAN POWER	RED	ST13-9	UNUSED	UNUSED	--
ST7-6	WINE EVAP FAN	VAR. SPEED CONTROL OUT	YELLOW	ST13-10	UNUSED	UNUSED	--
ST7-7	WINE EVAP FAN	TACH INPUT	BLUE				
ST7-8	EVAP FAN GROUND RETURN	EVAP FAN RETURN	BLACK/RED	THERMISTOR CIRCUITS			
ST7-9	WINE EVAP FAN	VAR. SPEED CONTROL OUT	YELLOW/BROWN	ST6-1	WINE UPPER CABINET	SENSES TEMPERATURE	BLUE/ORANGE
ST7-10	WINE EVAP FAN	TACH INPUT	BLUE/BROWN	ST6-7	WINE UPPER CABINET	SENSES TEMPERATURE	BROWN
ST7-11	CONDENSER FAN	VAR. SPEED CONTROL OUT	YELLOW/ORANGE	ST6-2	WINE UPPER EVAPORATOR	SENSES TEMPERATURE	BLUE/YELLOW
ST7-12	CONDENSER FAN	TACH INPUT	BLUE/ORANGE	ST6-8	WINE UPPER EVAPORATOR	SENSES TEMPERATURE	BROWN
				ST6-3	WINE LOWER CABINET	SENSES TEMPERATURE	BLUE
ST8-1	DOOR LED	DOOR LED POWER	RED/GREEN	ST6-9	WINE LOWER CABINET	SENSES TEMPERATURE	BROWN
ST8-2	DOOR LED	DOOR LED PWM	YELLOW/GREEN	ST6-4	WINE LOWER EVAPORATOR	SENSES TEMPERATURE	BLUE/BLACK
ST8-3	DOOR LED	DOOR LED GROUND	BLACK/GREEN	ST6-10	WINE LOWER EVAPORATOR	SENSES TEMPERATURE	BROWN
ST8-4	DOOR LED	DOOR LED POWER	RED/ORANGE	ST6-5	CONDENSER	SENSES TEMPERATURE	BLUE/PURPLE
ST8-5	DOOR LED	DOOR LED PWM	YELLOW/ORANGE	ST6-11	CONDENSER	SENSES TEMPERATURE	BROWN
ST8-6	DOOR LED	DOOR LED GROUND	BLACK/ORANGE	ST6-6	UNUSED	UNUSED	--
				ST6-12	UNUSED	UNUSED	--
ST9-1	DOOR SWITCH	DOOR SWITCH INPUT	YELLOW/BLACK				
ST9-2	UNUSED	UNUSED	--				
ST9-3	UNUSED	UNUSED	--				
ST9-4	UNUSED	UNUSED	--				
ST9-5	UNUSED	UNUSED	--				
ST9-6	UNUSED	UNUSED	--				
ST9-7	UNUSED	UNUSED	--				
ST9-8	UNUSED	UNUSED	--				
ST9-9	DOOR SWITCH GROUND	GROUND	BLACK/YELLOW				

WIRING SCHEMATIC

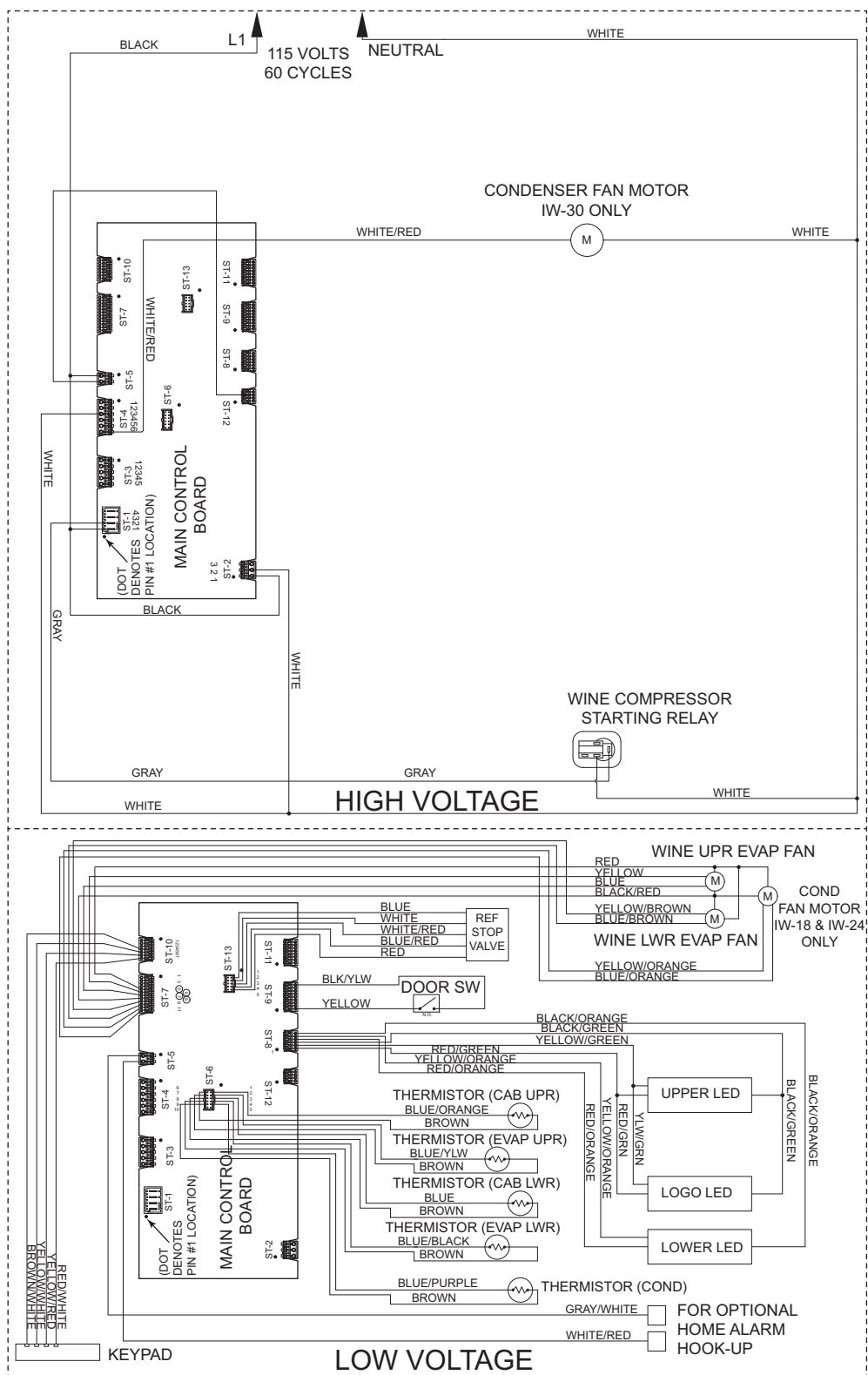
MODEL: IW-18, IW-24 & IW-30

PART NUMBER 7028207 Rev A

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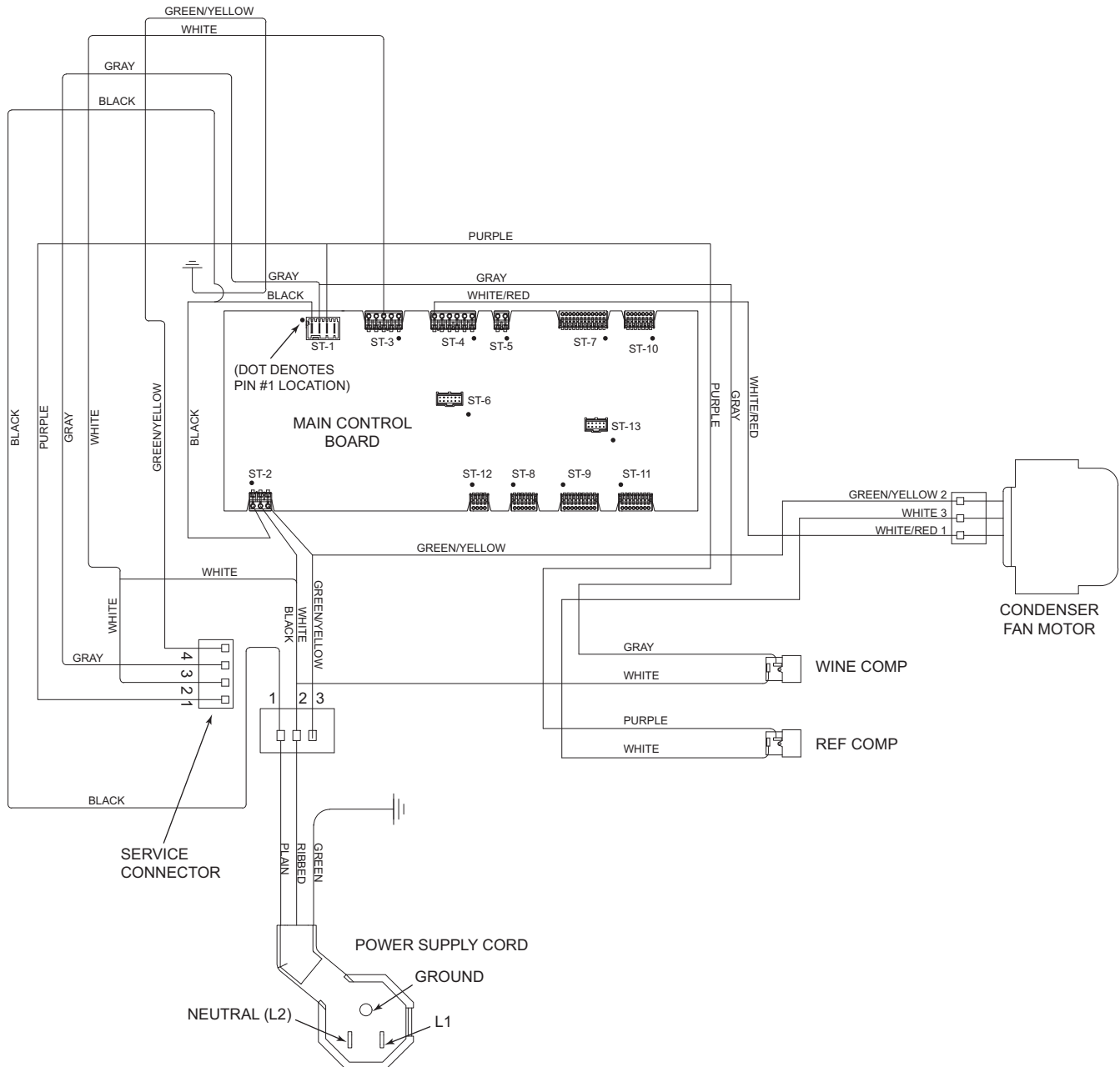
WIRING DIAGRAM MODEL: IW-30R

PART NUMBER 7028209 Rev A

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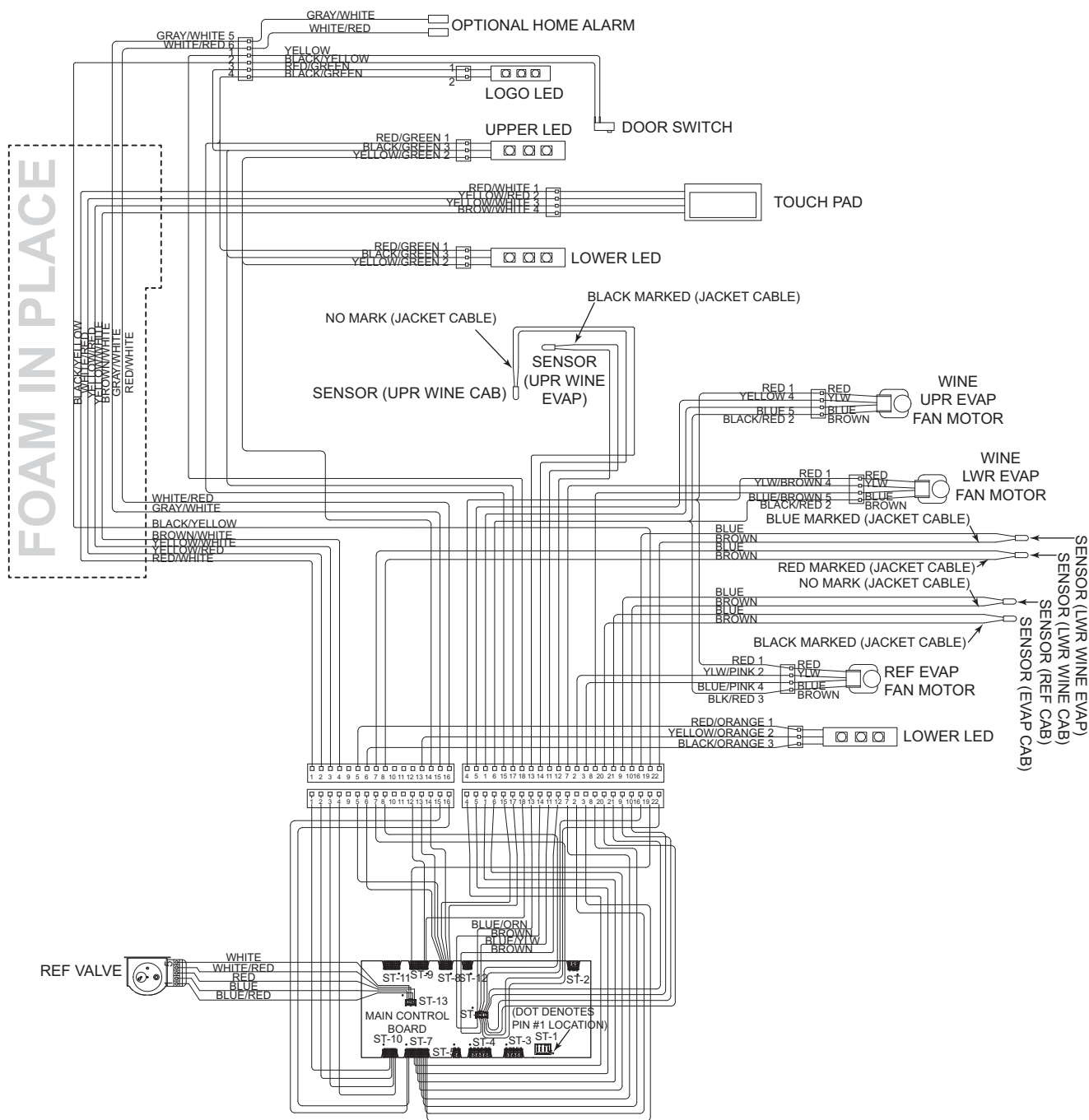
HIGH VOLTAGE

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LOW VOLTAGE

LOW VOLTAGE INTERFACE DIAGRAM

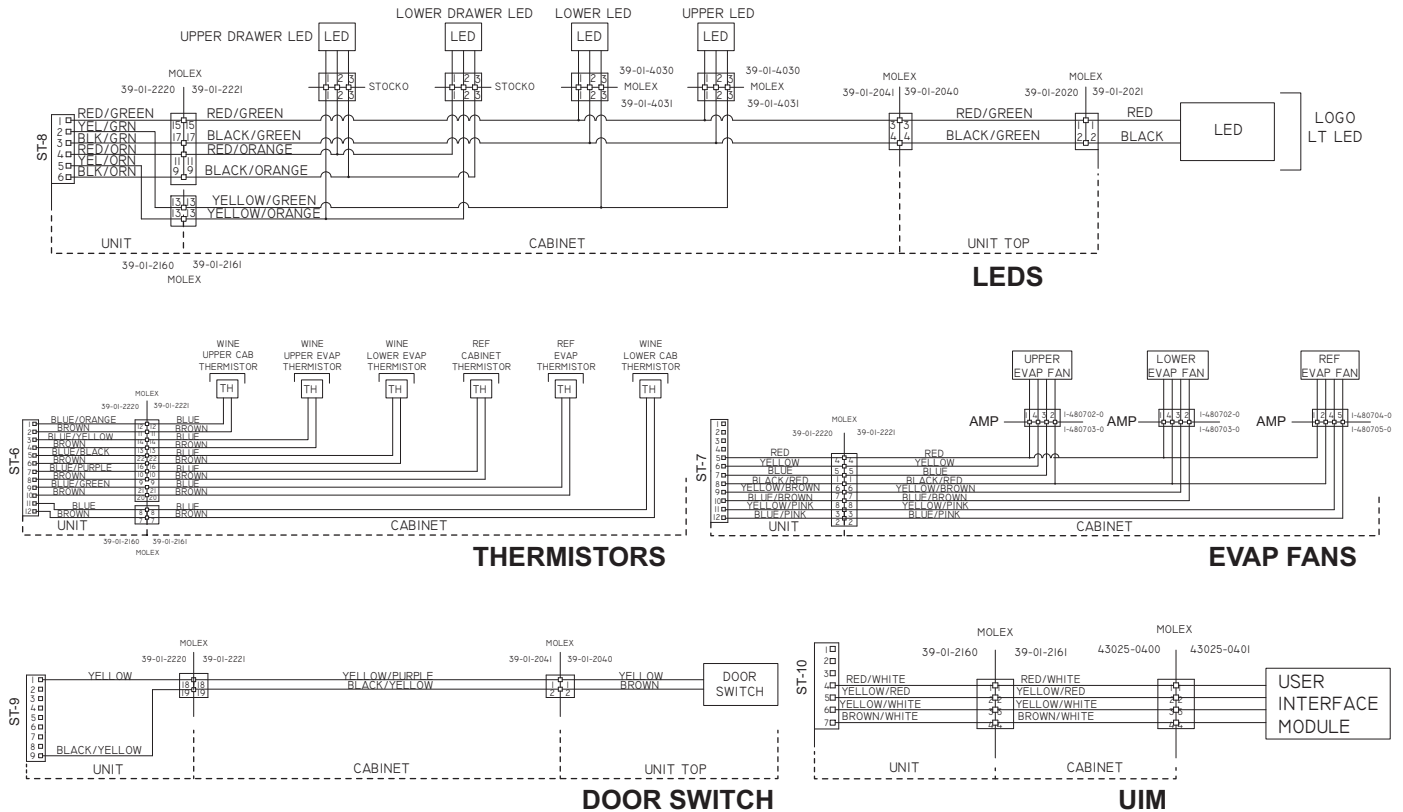
MODEL: IW-30R

PART NUMBER 7028209 Rev A

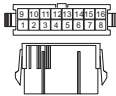
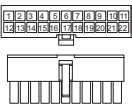
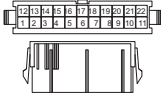
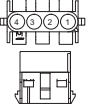
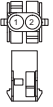
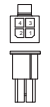
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 1-480698-0	 1-480699-0	 43025-0400	 43025-0401
		 39-01-4030	 39-01-4031

WIRING DIAGRAM

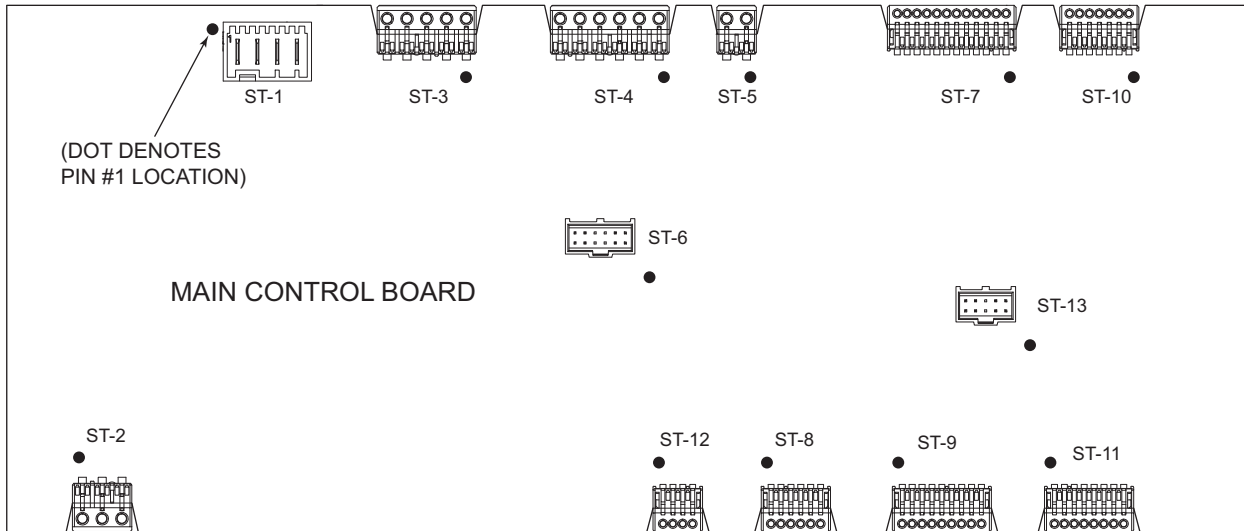
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IW-R CONTROL BOARD SUMMARY

CIRCUIT	DESCRIPTION	FUNCTION	COLOR	CIRCUIT	DESCRIPTION	FUNCTION	COLOR
120 VOLTAGE				LOW VOLTAGE CONT.			
ST1-1	POWER IN (L1)	POWER INTO BOARD	BLACK	ST10-1	UNUSED	UNUSED	--
ST1-2	WINE COMPRESSOR	POWER WINE COMPRESSOR	GRAY	ST10-2	UNUSED	UNUSED	--
ST1-3	REF COMPRESSOR	POWER REF COMPRESSOR	PURPLE	ST10-3	UNUSED	UNUSED	--
ST1-4	UNUSED	UNUSED	--	ST10-4	UIM 12V POWER	UIM POWER	RED/WHITE
ST2-1	LINE POWER SUPPLY	POWER INTO BOARD	BLACK	ST10-5	UIM CAN BUS	UIM CAN_H	YELLOW/RED
ST2-2	NEUTRAL	NEUTRAL INTO BOARD	WHITE	ST10-6	UIM CAN BUS	UIM CAN_L	YELLOW/WHITE
ST2-3	EARTH GROUND	GROUND	GREEN/YELLOW	ST10-7	UIM GROUND RETURN	UIM RETURN	BROWN/WHITE
ST3-1	UNUSED	UNUSED	--	ST11-1	UNUSED	UNUSED	--
ST3-2	UNUSED	UNUSED	--	ST11-2	UNUSED	UNUSED	--
ST3-3	UNUSED	UNUSED	--	ST11-3	UNUSED	UNUSED	--
ST3-4	UNUSED	UNUSED	--	ST11-4	UNUSED	UNUSED	--
ST3-5	UNUSED	UNUSED	--	ST11-5	UNUSED	UNUSED	--
ST4-1	UNUSED	UNUSED	--	ST11-6	UNUSED	UNUSED	--
ST4-2	UNUSED	UNUSED	--	ST11-7	UNUSED	UNUSED	--
ST4-3	UNUSED	UNUSED	--	ST11-8	UNUSED	UNUSED	--
ST4-4	UNUSED	UNUSED	--	ST12-1	UNUSED	UNUSED	--
ST4-5	UNUSED	UNUSED	--	ST12-2	UNUSED	UNUSED	--
ST4-6	CONDENSER FAN	POWERS CONDENSER FAN	WHITE/RED	ST12-3	UNUSED	UNUSED	--
ST5-1	HOME ALARM	HOME ALARM COMMON	GRAY/WHITE	ST12-4	UNUSED	UNUSED	--
ST5-2	HOME ALARM	HOME ALARM NORMALLY OPEN	WHITE/RED	ST13-1	STEPPER VALVES WINE	OUTPUT 1B	BLUE
LOW VOLTAGE CIRCUITS				ST13-2	STEPPER VALVES WINE	OUTPUT 1A	WHITE
ST7-1	UNUSED	UNUSED	--	ST13-3	STEPPER VALVES WINE	OUTPUT 2A	WHITE/RED
ST7-2	UNUSED	UNUSED	--	ST13-4	STEPPER VALVES WINE	OUTPUT 2B	BLUE/RED
ST7-3	UNUSED	UNUSED	--	ST13-5	STEPPER VALVES WINE	POWER	RED
ST7-4	UNUSED	UNUSED	--	ST13-6	UNUSED	UNUSED	--
ST7-5	EVAP FAN 12 VDC POWER	EVAP FAN POWER	RED	ST13-7	UNUSED	UNUSED	--
ST7-6	WINE EVAP FAN	VAR. SPEED CONTROL OUT	YELLOW	ST13-8	UNUSED	UNUSED	--
ST7-7	WINE EVAP FAN	TACH INPUT	BLUE	ST13-9	UNUSED	UNUSED	--
ST7-8	EVAP FAN GROUND RETURN	EVAP FAN RETURN	BLACK/RED	ST13-10	UNUSED	UNUSED	--
ST7-9	WINE EVAP FAN	VAR. SPEED CONTROL OUT	YELLOW/BROWN	THERMISTOR CIRCUITS			
ST7-10	WINE EVAP FAN	TACH INPUT	BLUE/BROWN	ST6-1	WINE UPPER CABINET	SENSES TEMPERATURE	BLUE/ORANGE
ST7-11	REF EVAP FAN	VAR. SPEED CONTROL OUT	YELLOW/PINK	ST6-2	WINE UPPER CABINET	SENSES TEMPERATURE	BROWN
ST7-12	REF EVAP FAN	TACH INPUT	BLUE/PINK	ST6-3	WINE UPPER EVAPORATOR	SENSES TEMPERATURE	BLUE/YELLOW
ST8-1	DOOR LED	DOOR LED POWER	RED/GREEN	ST6-4	WINE UPPER EVAPORATOR	SENSES TEMPERATURE	BROWN
ST8-2	DOOR LED	DOOR LED PWM	YELLOW/GREEN	ST6-5	WINE LOWER CABINET	SENSES TEMPERATURE	BLUE
ST8-3	DOOR LED	DOOR LED GROUND	BLACK/GREEN	ST6-6	WINE LOWER CABINET	SENSES TEMPERATURE	BROWN
ST8-4	DOOR LED	DOOR LED POWER	RED/ORANGE	ST6-7	WINE LOWER EVAPORATOR	SENSES TEMPERATURE	BLUE/BLACK
ST8-5	DOOR LED	DOOR LED PWM	YELLOW/ORANGE	ST6-8	REF CABINET	SENSES TEMPERATURE	BROWN
ST8-6	DOOR LED	DOOR LED GROUND	BLACK/ORANGE	ST6-9	REF CABINET	SENSES TEMPERATURE	BLUE/PURPLE
ST9-1	DOOR SWITCH	DOOR SWITCH INPUT	YELLOW/BLACK	ST6-10	REF CABINET	SENSES TEMPERATURE	BROWN
ST9-2	UNUSED	UNUSED	--	ST6-11	REF EVAPORATOR	SENSES TEMPERATURE	BLUE/GREEN
ST9-3	UNUSED	UNUSED	--	ST6-12	REF EVAPORATOR	SENSES TEMPERATURE	BROWN
ST9-4	UNUSED	UNUSED	--				
ST9-5	UNUSED	UNUSED	--				
ST9-6	UNUSED	UNUSED	--				
ST9-7	UNUSED	UNUSED	--				
ST9-8	UNUSED	UNUSED	--				
ST9-9	DOOR SWITCH GROUND	GROUND	BLACK/YELLOW				

WIRING SCHEMATIC

MODEL: IW-30R

PART NUMBER 7028209 Rev A

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