

LEGEND

- Factory Low voltage Wiring
- Factory Line Voltage Wiring
- Field Low voltage Wiring
- Field Line voltage Wiring
- Printed Circuit Trace
- Optional Wiring
- Optional Block
- Optional Block Capacitor
- Circuit Breaker
- Condensate Pan
- Ground
- High Pressure Switch
- LED
- Low Pressure Switch
- Mate-N-Lock
- Multi Splice Connector
- Optional
- OVERLOAD
- Relay contacts - N.C.
- Relay contacts - N.O.
- Relay / Contactor Coil
- Solenoid Coil
- Splice Cap
- Temperature Switch
- Thermistor
- Wire Nut

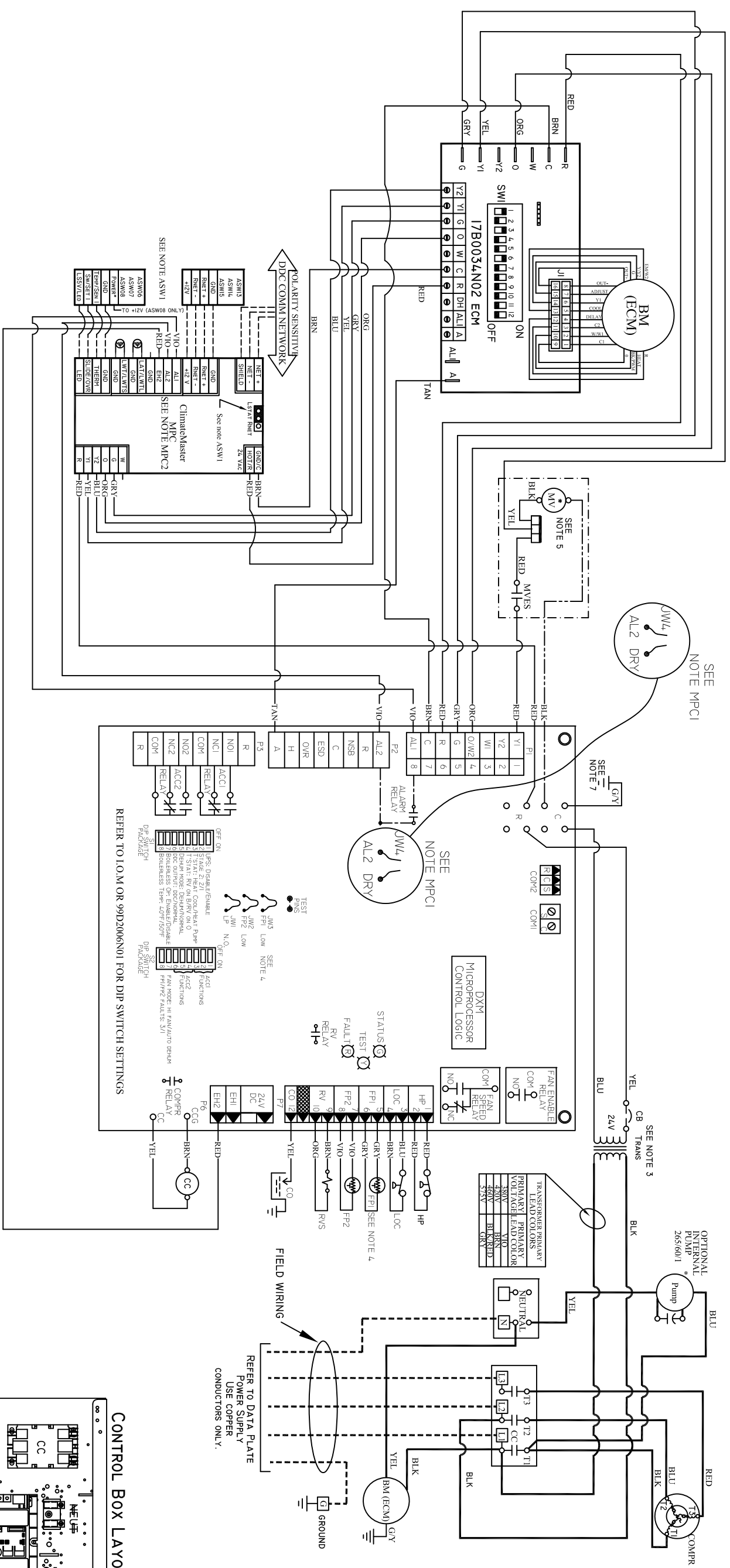
- AL Alarm Relay Contacts
- BM Blower Motor
- BMC Blower Motor Capacitor
- BR Blower Relay
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- CAP Capacitor
- CB Circuit Breaker
- CC Compressor Contactor
- CO Condensate Overflow Sensor
- CR Compressor Relay
- CTB Common Terminal Block
- CS Current Sensor
- DHW Domestic Hot Water
- DM Damper Motor
- DTS Discharge Temperature Switch
- ES End Switch
- EWTS Entering Water Temp Sensor
- FPI Sensor, low temp protection, water coil
- FP2 Sensor, low temp protection, air coil
- FSS Fan Speed Switch
- HP High Pressure Switch
- HPWS High Pressure Water Switch
- HR Heating Relay
- JW Jumper Wire
- LAT Leaving Air Temperature
- LOC Loss of Charge Pressure Switch
- LOR Lock Out Relay
- LWTS Leaving Water Temp Sensor
- MOD Modulating Water Valve
- MS Manual Starter
- MSC Multi Splice Connector
- MWV Motorized Water Valve
- PB Power Terminal Block
- PDB Power Distribution Block
- POT Potentiometer
- P1 Field Wiring Terminal Block
- RAS Return Air Sensor
- RVS Reversing Valve Solenoid
- SAC Start Assist Capacitor
- TB Terminal Block
- TRANS Transformer
- TS Terminal Strip
- UMT Unit Mounted Thermostat

NOTES:

1. Compressor and Blower Motor thermally protected internally.
2. All wiring to the unit must comply with NEC and local codes.
3. 208/230V Transformer will be connected for 208V operation. For 230V operation, disconnect RED lead at L1 and attach ORG lead to L1. Insulate open end of RED lead. 380/420V Transformer will be connected for 380V operation. For 420V operation, disconnect V10 lead at L1 and attach BRN lead to L1. Insulate open end of V10 lead. 460V Transformer will be connected to (BLK/RED) lead. Transformer will be connected to (GRY) lead.
4. FPI provides low temperature protection for WATER. When using ANTI-FREEZE solutions, cut JW3 jumper.
5. Typical heat pump thermostat wiring shown. Refer to thermostat IOM for wiring to the unit. T-Stat wiring must be "Class 1" and voltage rating equal to or greater than unit supply voltage.

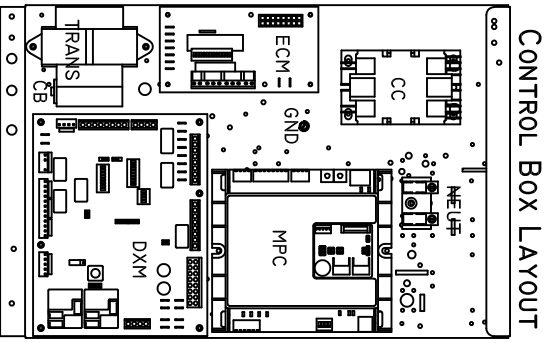
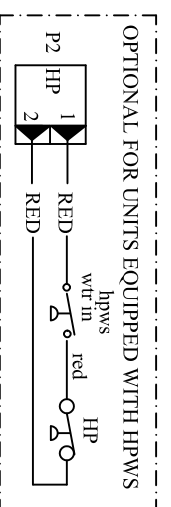
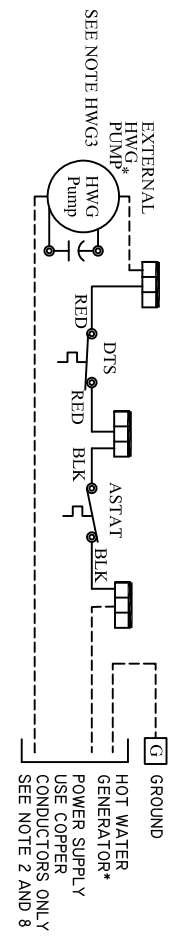
6. RESERVED

7. Transformer Secondary Ground via CXM/DXM board standoffs and screws to Control Box.
- ASW1: ASW sensors are not required on Water-Water application. ASW06-ASW08 (Water-Air only) move jumper to LSTAT. ASW13-ASW15 move jumper to RNET. HWG3. AQUA STAT is supplied with unit and must be wired in series with the hot leg to the pump. Aqua stat is rated for voltage up to 277V.
- MPC1. Factory cut JW1 (CXM) or JW4 (DXM) jumper. Dry Contact will be available between AL1 and AL2.
- MPC2. Refer to MPC Installation application, and Operation Manual For Control Wiring to the unit.



ECM BOARD DIP SWITCH SETTINGS

COOL	HEAT	EH	CEM	ADJ	CEM
SPD SW1	SW2	SW3	SW4	SW5	SW6
1 ON	ON	1 ON	ON	ON	ON
2 ON	OFF	2 ON	OFF	TEST ON	ON
3 OFF	ON	3 OFF	ON	+	OFF
4 OFF	OFF	4 OFF	OFF	NORM	OFF
DEHUM					
SW9					
ON					
OFF					
DH					



REFER TO DATA PLATE POWER SUPPLY USE COPPER CONDUCTORS ONLY.