

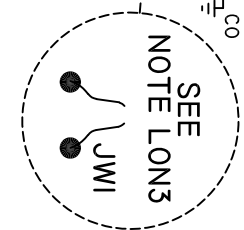
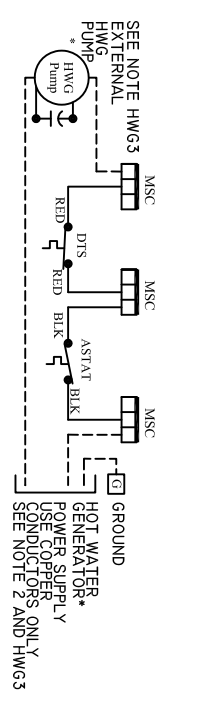
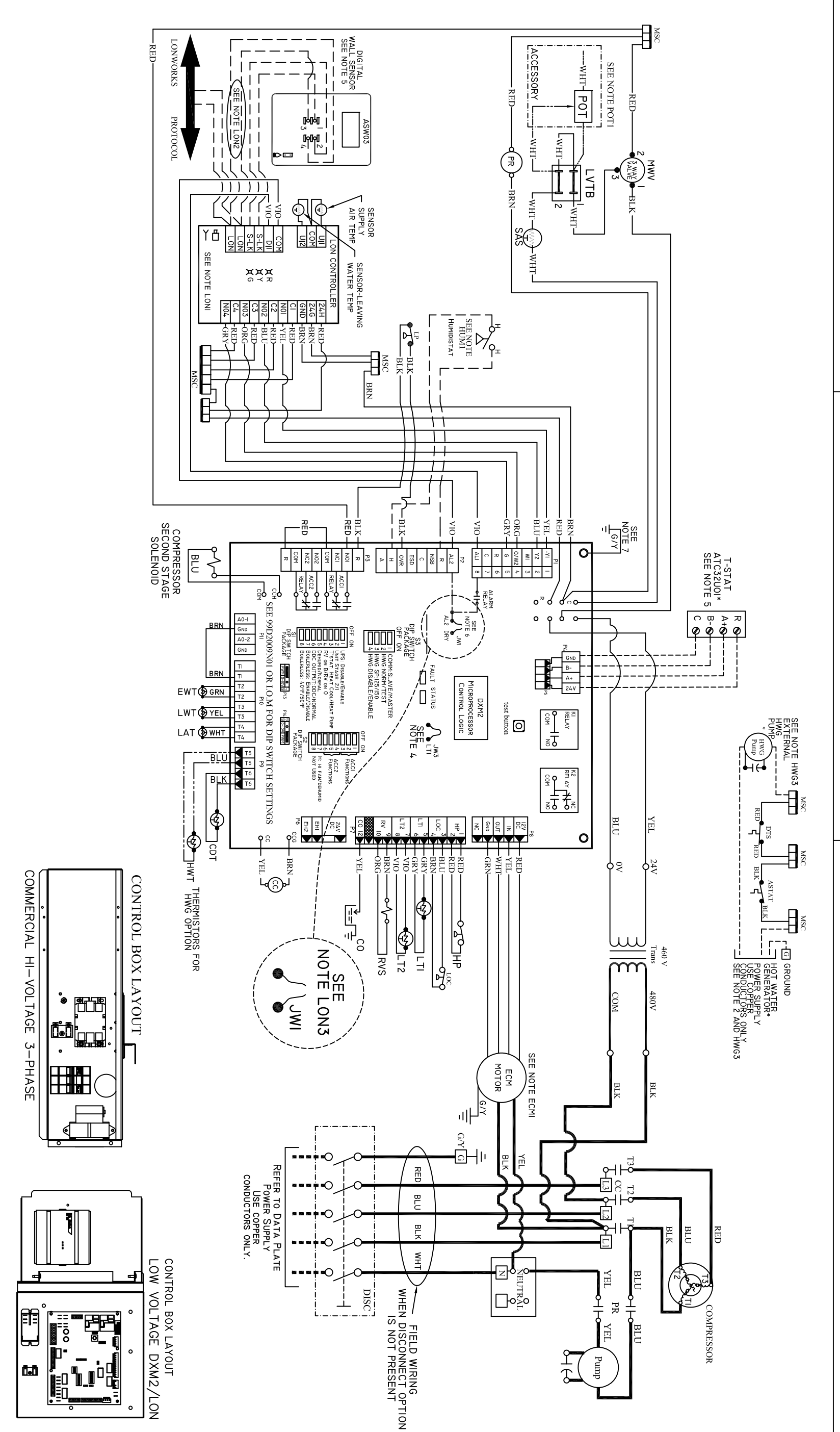
LEGEND

- Factory Low voltage Wiring
- Factory Line Voltage Wiring
- Field Low voltage Wiring
- Field Line voltage Wiring
- Printed Circuit Trace
- Optional Wiring
- 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

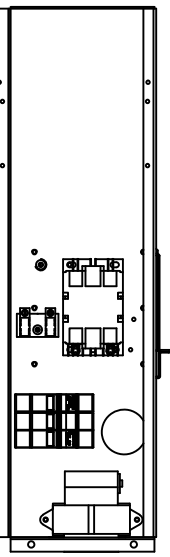
- AL Alarm Relay Contacts
- BM Blower Motor
- BMC Blower Motor Capacitor
- BR Blower Relay
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- BRP Blower Relay
- CB Capacitor
- CC Circuit Breaker
- CC Compressor Contactor
- CO Compressor Over/low Sensor
- CR Compressor Relay
- CTB Common Terminal Block
- CS Current Sensor
- DHW Domestic Hot Water
- DM Damper Motor
- DTS Discharge Temperature Switch
- ES End Switch
- EWTS Entering Water Temp Sensor
- FP1 Sensor, low temp protection, water coil
- FP2 Sensor, low temp protection, air coil
- FSS Fan Speed Switch
- HP High Pressure Switch
- HPA High Pump Ambient Temp Switch
- HPWS High Pressure Water Switch
- HR Heating Relay
- JW Jumper Wire
- LAT Leaving Air Temperature
- LOC Loss of Charge Pressure Switch
- LOC Lock Out Relay
- LP Low Pressure Switch
- LVTB Low Voltage Terminal Block
- LVTB Leaving Water Temp Sensor
- LWTS Modulating Water Valve
- 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
- PR Pump Relay
- RAS Return Air Sensor
- RVS Reversing Valve Solenoid
- SAC Start Assist Capacitor
- SAS Supply Air Sensor
- 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 low voltage wiring shall be Class 2 or equivalent.
 3. Transformer is wired for 460V operation. Connect to 480V terminal on transformer.
 4. FP1 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. 24V Alarm signal shown. For Dry Alarm contact between AL1 & AL2, cut JW1 for CXM/DXM Gen2 or JW4 DXM.
 7. Transformer Secondary Ground via CXM/DXM board standoffs and screws to Control Box.

- ECM1. For ECM Blower Motor air flow adjustment and diagnostic information refer to IOM.
 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.
 HUM1. Refer to HUMIDISTAT Installation application, and Operation Manual For Control Wiring to the unit.
 HUM2. Dehumidistat Operation (24 VAC at H) DIP 2.1 OFF, DIP 2.2 On, DIP 2.3 OFF, DIP 2.5 On. Humidistat Operation (0 VAC at H) DIP 2.1 OFF, DIP 2.2 OFF, DIP 2.3 OFF, DIP 2.5 On. Refer to LON OR TSTAT Installation, Application, and Operation Manual for control wiring to the unit.
 LON2. Optional LON wires. Only connect if LON connection is desired at the wall sensor.
 LON3. Factory cut JW1 (CXM) or JW4 (DXM) jumper. Dry Contact will be available between AL1 and AL2.
 POT1. Remove Jumper Wire and Connect wires for Potentiometer Accessory Option Place Potentiometer Label Before Installation.



CONTROL BOX LAYOUT



CONTROL BOX LAYOUT

