




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




Control Board Jumper




FUSE




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

- 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 wiring is voltage sensitive. Use layout corresponding to the unit voltage.

4. LT1 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 control board standoffs and/or Common to Control Box.

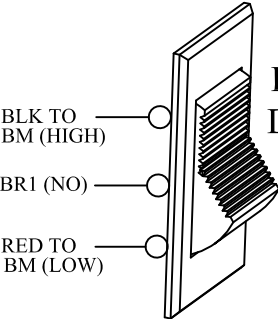
MPC3. ASW sensors are not required on Water-Water application. ASW006, ASW008 and ASW022 (Water-Air Only) move jumper to LSTAT, ASW016-ASW018 move jumper to Rnet.

LON1. 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.

LON6. Factory cut JW1 jumper. Dry Contact will be available between AL1 and AL2.

LON7. LON OC ribbon cable connects to unmarked LOC port on MPC.



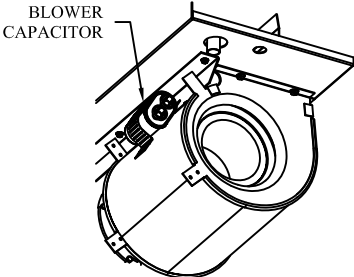
BLK TO
BM (HIGH)

BR1 (NO)

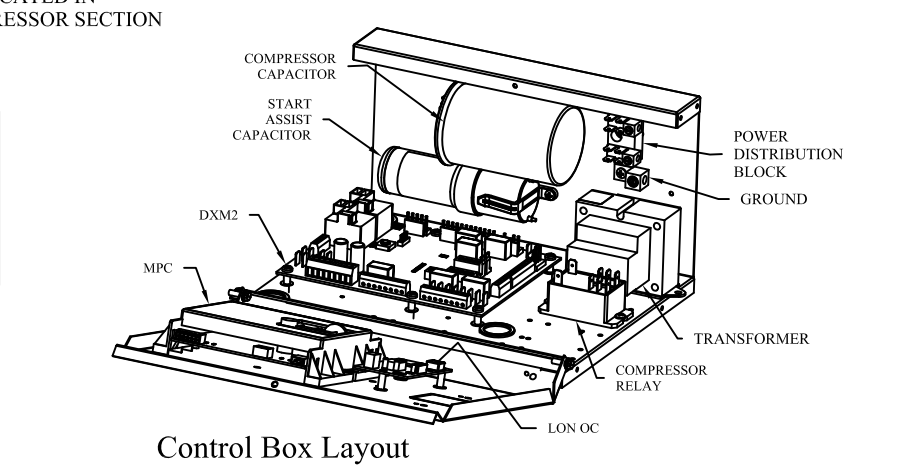
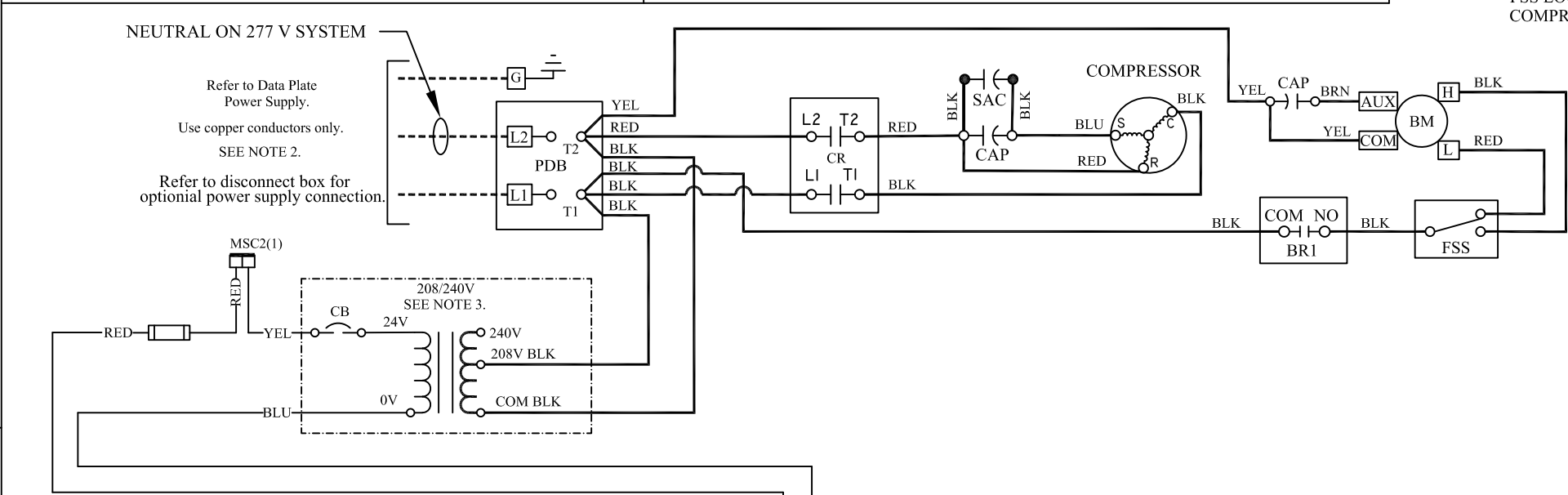
RED TO
BM (LOW)

FSS LOCATED IN
COMPRESSOR SECTION

LOW FAN
DEFAULT POSITION



BLOWER
CAPACITOR



- ACO Automatic Change Over
- AL Alarm Relay Contacts
- ATS Air Temperature Sensor
- BM Blower Motor
- BMC Blower Motor Capacitor
- BR Blower Relay / Blower Contactor
- CAP Capacitor
- CB Circuit Breaker
- CC Compressor Contactor
- CDT Compressor Discharge Temperature
- CO Condensate Overflow Sensor
- CR Compressor Relay
- CRC Compressor Run Capacitor
- CS Current Sensor
- CTS Cabinet Temperature Sensor
- DHW Domestic Hot Water
- DM Damper Motor
- DTS Discharge Temperature Switch
- EEV Electronic Expansion Valve
- EHC Electronic Heat Contactor
- ES End Switch
- ETC Electronic Temperature Control
- EWT Entering Water Temp Sensor
- FSR Fan Speed Relay
- FSS Fan Speed Switch
- HP High Pressure Switch
- HPWS High Pressure Water Switch
- HR Heating Relay
- JW Jumper Wire
- LAT Leaving Air Temperature
- LOR Lock Out Relay
- LP Low Pressure Switch
- LT1 Sensor, low temp protection, water coil
- LT2 Sensor, low temp protection, air coil
- LWT Leaving Water Temp Sensor
- MCO Manual Change Over
- MOD Modulating Water Valve
- MS Manual Starter
- MSC Multi Splice Connector
- MWV Motorized Water Valve
- NLL Night Low Limit Switch
- 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
- UMT Unit Mounted Thermostat
- VFD Variable Frequency Drive
- VSP Variable Speed Pump
- WSTAT Water Stat

