

**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.

BM8. Blower motor is factory wired for medium & high speeds. For any other combination of speeds, at the motor attach the black wire to the higher of the two desired speed taps, and the blue wire to the lower of the two desired speed taps.

HUM1. Refer to HUMIDISTAT Installation application, and Operation Manual For Control Wiring to the unit.

HWG3. WSTAT is supplied with unit and must be wired in series with the hot leg to the pump. WSTAT is rated for voltage up to 277V.

WHT3. In case of two white wires on the actuator, use white color wire labeled as 3-THREE.

- 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
- 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

