





























Legend

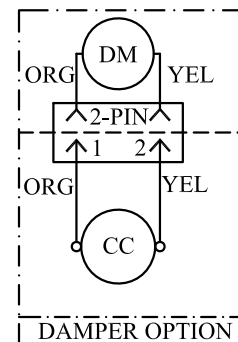
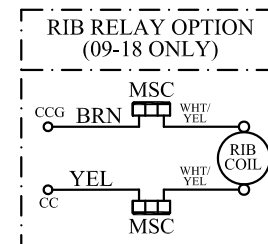
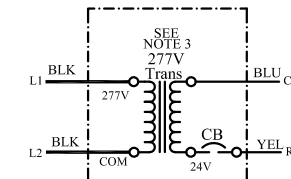
- | | |
|--|-----------------------------|
|  | Factory Low voltage Wiring |
|  | Factory Line Voltage Wiring |
|  | Field Low voltage Wiring |
|  | Field Line voltage Wiring |
|  | Printed Circuit Trace |
|  | Optional Wiring |
|  | Optional Block |
|  | Capacitor |
|  | Circuit Breaker |
|  | Condensate 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 |

- | | |
|-------|---|
| 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 |
| EWI | 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 |

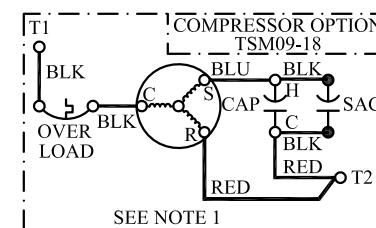
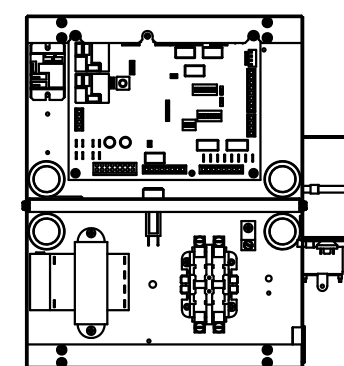
NOTES

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. Field Use Only: 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.

MOD1. For Modulating Water Valve option, place jumper on 0-10V pins on P14.
MOD2. For Modulating Water Valve option, ensure actuator direction switch is set as shown. Manual for Control Wiring to the unit.



CONTROL BOX LAYOUT



CABINET

