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|---|-----------------------------|
|  | 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 |

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|-------|---|
| AL | Alarm Relay Contacts |
| BM | Blower Motor |
| BMC | Blower Motor Capacitor |
| BR | Blower Relay |
| CAP | Capacitor |
| CB | Circuit Breaker |
| CC | Compressor Contractor |
| CO | Condensate Overflow Sensor |
| CR | Compressor Relay |
| CTB | Common Terminal Block |
| CS | Current Sensor |
| DHW | Domestic Hot Water |
| DISC | Disconnect |
| 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 |
| HPWS | High Pressure Water Switch |
| HR | Heating Relay |
| IAP | Ionization Air Purifier |
| JW | Jumper Wire |
| LAT | Leaving Air Temperature |
| LP | Low Pressure Switch |
| LOR | Lock Out Relay |
| LT1 | Sensor, low temp protection, water coil |
| LT2 | Sensor, low temp protection, air coil |
| LWTS | Leaving Water Temp Sensor |
| MOD | Modulating Water Valve |
| MS | Manual Starter |
| MSC | Multi Splice Connector |
| MVV | 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
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 CXM/DXM board standoffs and screws
to Control Box.

BM10. Higher numbered taps take priority.

HWG1. HWG and Heat Exchanger Pump only in models with Hot Water Generator option
factory default temperature setting is 125° F, for 150° F setting Anti-Scald Valve
must be used. See unit IOM for instructions.

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.

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.

SAC3. Use Start Assist Capacitor only on unit size 015-018.

