

NOTES:

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| 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 |
| MVW | 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 |

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 CXM/DXM board standoffs and screws to Control Box.

Wiring Diagram for CXM2 V1.2

Power Input (J1): YEL, WHT, ORG, GRY, RED, BRN, VIO. BLU is connected to G/Y (SEE NOTE 7). CC is connected to CCG. CC is connected to C. R is connected to R.

Relay and Test Points: K1 RELAY (COM, NC, NO). JW1 (SEE NOTE 6). JW3. Alarm Relay. TEST.

LEDs: FAULT LED, Status LED.

Dip Switch: 1: UPS: DISABLED/ENABLED, 2: UNIT STAGE: 1/2, 3: MODBUS: SLAVE/MASTER, 4: EH2 OUTPUT: NORMAL/DDC, 5: LT1: NORMAL/LOW TEMP. Off/On.

Control/Communication (J3, J4, J5, J6, J8): J4: R, A+, B-, C. J5: R, A+, B-, C. J6: PWM, A0-1, 0-10V. J8: T4, T4, T5, T5, T3, T3.

Status/Output (J2): HP, LP, LT1, LT2, RV, CO, EH1, EH2. HP: RED. LP: BLU. LT1: GRY. LT2: GRY. RV: BRN. CO: YEL. EH1: 24V DC. EH2: 24V DC.

External Connections: HP, LP, LT1, LT2, RV, CO, EH1, EH2. MSC3(3) (YEL, BLK, GRN). EWT, LWT, LAT, CDT.

Notes: SEE NOTE 7. SEE NOTE 6. SEE I.O.M. FOR DIP SWITCH DEFINITIONS.