

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

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

- 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.

CONTROL BOX LAYOUT

