

LEGEND

Factory Low voltage Wiring

Factory Line Voltage Wiring

AL Alarm Relay Contacts

BM Blower Motor

BMC Blower Motor Capacitor

BR Blower Relay

CAP Capacitor

CB Circuit Breaker

CC Compressor Contractor

CDT Compressor Discharge Temp Sensor

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

HWT Hot Water Temp Sensor

JW Jumper Wire

LAT Leaving Air Temperature

LP Loss of 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

MWV 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:
- Compressor and Blower Motor thermally protected internally.
 - All wiring to the unit must comply with NEC and local codes low voltage wiring shall be Class 2 or equivalent.
 - Transformer wiring is voltage sensitive. Use layout corresponding to the unit voltage.
 - LT1 provides low temperature protection for WATER. When using ANTI-FREEZE solutions, cut JW3 jumper.
 - 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.
 - 24V Alarm signal shown. For Dry Alarm contact between AL1 & AL2, cut JW1 for CXM/DXM Gen2 or JW4 DXM.
 - Transformer Secondary Ground via CXM/DXM board standoffs and screws to Control Box.

BM10. Higher numbered taps take priority.

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

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.

LON3. Factory cut JW1 (CXM) or JW4 (DXM) jumper. Dry Contact will be available between AL1 and AL2.

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

