

TITLE:RT 096-240 H.F, N CXM

PCN21-0335

DATE:7/8/21

DRAWING NO.96B027IN02

REV F

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

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

AL

Alarm Relay Contacts

BM

Blower Motor

BMC

Blower Motor Capacitor

BR

Blower Relay

CAP

Capacitor

CB

Circuit Breaker

CC

Compressor Contactor

CO

Condensate Overflow Sensor

CR

Compressor Relay

CTB

Common Terminal Block

CS

Current Sensor

DHW

Domestic Hot Water

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

JW

Jumper Wire

LAT

Leaving Air Temperature

LOC

Loss of Charge Pressure Switch

LOR

Lock Out Relay

LP

Low Pressure Switch

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:

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.

CXM1. Suffix 1 designates association with Lead compressor, Suffix 2 with Lag compressor. EXCEPTION AL1, AL2, FP1, FP2 ARE PER LEGEND.

ECO1. For field installed ECONOMIZER OPTION, remove provided 9 pin male jumper plug and connect to Economizer Harness.

MOA1. For Motorized Outside Air option the standard jumper plug will be replaced with the MO option plug depicted.

