

TRC 120/60/1, 208-240/60/1, 277/60/1, CXM2 W/REM-MOUNTED ACO

PCN: 22-0237 DATE: 7/6/22 DRAWING NO. 96B0414N22 REV. -

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

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.
- Field Use Only: 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 control board standoffs and/or Common to Control Box.

BM11. Blower motor is factory wired for high & low speeds. For any other combination of speeds, at the motor attach the black wire to the higher of the two desired speed taps, and the red wire to the lower of the two desired speed taps.

NEUTRAL ON 265 V SYSTEM

Refer to Data Plate Power Supply

Use copper conductors only.

SEE NOTE 2

208/240V TRANSFORMER SEE NOTE 3.

240V

208V BLK

0V

YEL

BLU

CB

24V

0V

COM BLK

YEL

RED

BLK

BLK

BLK

BLK

YEL

RED

BLK

BLU

RED

COM BLK

BLK

COM NO

BR1

BLK

FSS

MSC

YEL

BRN

ES

YEL

CC

BRN

CCG

YEL

BRN

BR1

GRY

K1 RELAY

NC

COM

NO

HP

RED

LP

RED

BLU

BLU

LT1

GRY

LT2

GRY

RV

BRN

ORG

RV

YEL

YEL

CO

TEST

FAULT LED

Status LED

J1

Y

W

O

G

H

R

C

AL1

AL2

A

ESD

J2

R

A+

B-

C

J3

J4

R

A+

B-

C

J5

J6

AW-1

Gnd

T1

T2

T3

T4

T5

J7

T4

T4

T5

T5

J8

T4

T4

T5

T5

24V DC

EH1

EH2

CXM2

PWM

A0-1

0-10V

Typical Heat Pump T-stat SEE NOTE 5

Compressor

Cooling Fan

24 VAC

Common Alarm

SEE NOTE 6

JW1

JW3

Alarm Relay

Dip Switch

UPS: DISABLED/ENABLED

UNIT STAGE: 1/2

MODBUS: SLAVE/MASTER

EH2 OUTPUT: NORMAL/DDC

LT1: NORMAL/LOW TEMP

OFF On

SEE I.O.M. FOR DIP SWITCH DEFINITIONS

Control Box Layout

COMPRESSOR CAPACITOR

START ASSIST CAPACITOR

CXM

POWER DISTRIBUTION BLOCK

GROUND

TRANSFORMER

COMPRESSOR RELAY

BLOWER RELAY

LOW FAN DEFAULT POSITION

BLK TO BM (HIGH)

BR1 (NO)

RED TO BM (LOW)

FSS LOCATED IN COMPRESSOR SECTION SEE NOTE BM9.

120V SEE NOTE 3.

115V BLK

0V

COM BLK

277V SEE NOTE 3.

277V BLK

0V

COM BLK

* CORD CONNECTION OPTION

208V

115V

* PUMP OPTION

2 1 L1

6 1 L2

4 1 T1

8 1 T2

PUMP