



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.

BM5. For dual point power option, (QTY.3X) blower wires will go to PDB2 only.

PMP6. T1 and T2 for 203-230V/3ph. P1 and P2 for 460V/3ph and 575V/3ph

FIELD WIRING WHEN DISCONNECT OPTION IS NOT PRESENT

DISCONNECT OPTION

L1

L2

L3

BLK

BLU

RED

DISCONNECT or CB

POWER SUPPLY 1
REFER TO DATA PLATE
USE COPPER
CONDUCTORS ONLY
SEE NOTE 2

L1

L2

L3

Ground

PDB1

T1

T2

T3

BLK

BLU

RED

Ground

BLK

BLU

RED

RED

RED

Comp 1

PC

BC

CC

PUMP

PC

BC

CC

Blower Motor

BC

CC

ISP OPTION

DPP OPTION

SEE NOTE BM5

PDB2

T3

T2

T1

L3

L2

L1

RED

BLU

BLK

Ground

POWER SUPPLY 2
REFER TO DATA PLATE
USE COPPER
CONDUCTORS ONLY
SEE NOTE 2

SEE NOTE 3

208/230V/460V

Trans

CB

460V

230V

208V

COM

YEL

BLU

575V Trans

CB

575V

COM

BLK

BLK

SEE NOTE 3

CONTROL BOX LAYOUT STANDARD

TRANSFORMER

TB

DXM2

ISP OPTION

PC

BC

CC

PDB

GND

GND

TYPICAL HEAT PUMP T-STAT
SEE NOTE 5

Y1

Y2

O

G

R

C

X1

X2

X3

COMP 1

COMP 2

COOLING

FAN

24VAC

COMMON

ALARM 1

ALARM 2

CODE

1

2

3

4

5

6

7

8

9

10

YEL

ORG

GRY

RED

BRN

VIO

VIO

RED

TBI

1

2

3

4

5

6

7

8

9

10

YEL

ORG

GRY

RED

BRN

VIO

VIO

RED

ISP OPTION

PC

TPS (ON PUMP)

P2 or T2

P1 or T1

SEE NOTE PMP6

SEE NOTE 7

G/Y

BLU

YEL

MSC3 (1)

MSC3 (2)

ALARM RELAY

AL1

AL2

DRY

SEE NOTE 6

JW1

DXM2 MICROPROCESSOR CONTROL LOGIC

TEST button

FAULT STATUS

SEE NOTE 4

JW3

LT1

S3 SWITCH PACKAGE

OFF ON

1

2

3

4

COMM:SLAVE/MASTER

HWG:NORM/TEST

HWG:SP125/I50

HWG:DISABLE/ENABLE

OFF ON

1

2

3

4

5

6

7

8

UPS: DISABLE/ENABLE

UNIT STAGE: 2/1

T-STAT: HEAT COOL/HEAT PUMP

RV ON B/RV ON O

DEHUMID/NORMAL

DDC OUTPUT DDC/NORMAL

BOILERLESS: ENABLE/DISABLE

BOILERLESS: 40°F/50°F

OFF ON

1

2

3

4

5

6

7

8

ACC1 FUNCTIONS

ACC2 FUNCTIONS

H: HI FAN/DEHUMID NOT USED

SEE I.O.M. FOR DIP SWITCH DEFINITIONS

P11

P10

P9

AA+1

AA+2

T1

T2

T3

T4

T5

T6

GND

GND

GND

GRN

YEL

WHT

BLK

HP

HPWS

LP

LT1

LT2

RV

CO

CCG

EHI

EHI2

CC

CC

HP

HPWS

LP

LT1

LT2

RV

CO

CCG

EHI

EHI2

CC

CC

MWV OPTION

HPWS

WTR OUT

SEE NOTE 4

LT1

LT2

RVS

CO

CCG

EHI

EHI2

CC

CC

MWV OPTION

BLK

2

ES1

S3

S1