

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

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:

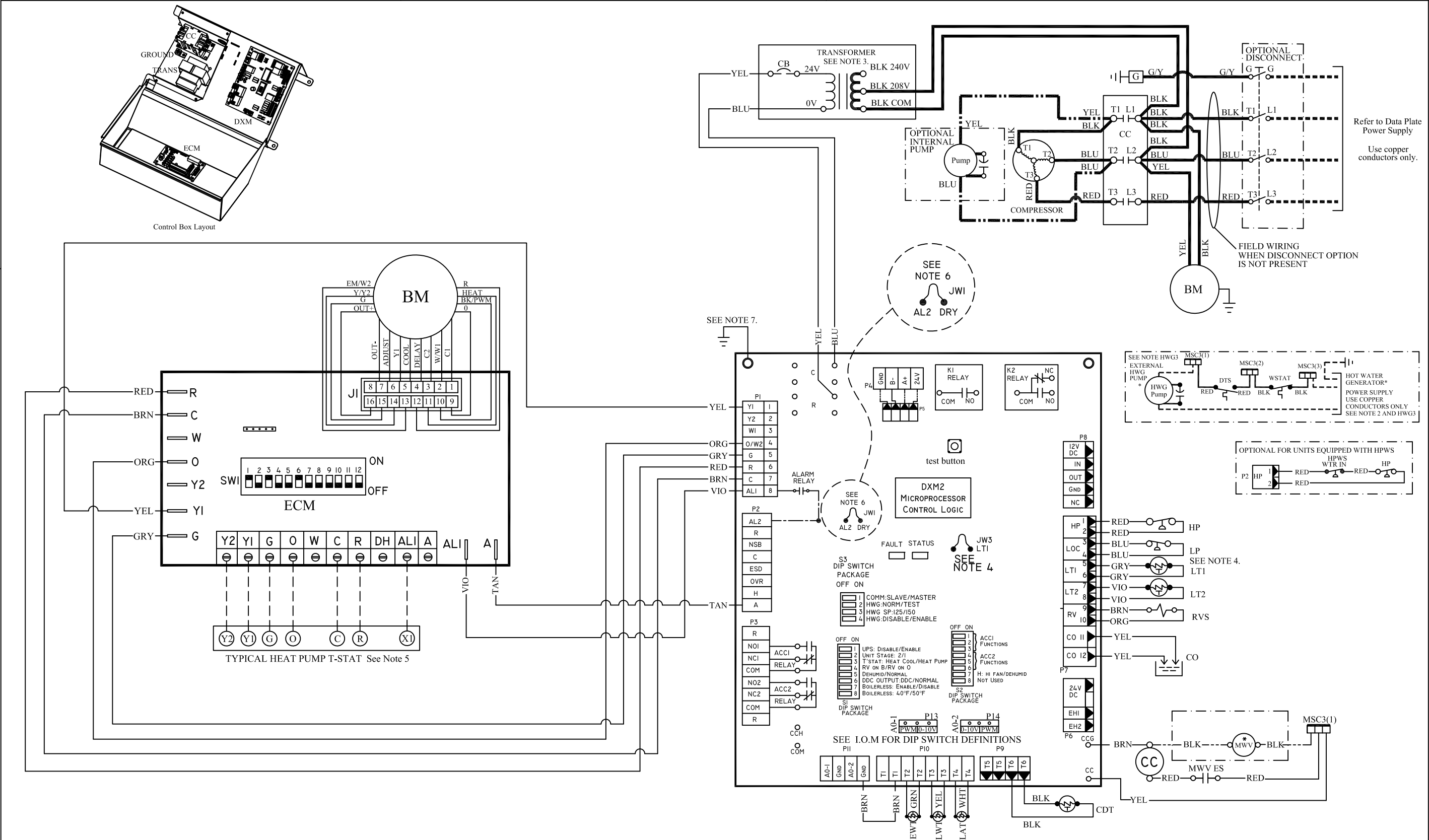
- Compressor and Blower Motor thermally protected internally.
- All wiring to the unit must comply with NEC and local codes low voltage wiring shall be Class 2 or equivalent.
- Transformer wiring is voltage sensitive. Use layout corresponding to the unit voltage.
- LT1 provides low temperature protection 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.

HWG3. WSTAT is supplied with unit and must be wired in series with the hot leg to the pump. WSTAT is rated for voltage up to 277V.

ECM BOARD DIP SWITCH SETTINGS

	COOL	CFM		CFM	HEAT		EH	CFM		SPD	CFM
SPD	SW1	SW2	SPD	SW3	SW4	SPD	SW5	SW6	SPD	SW7	SW8
1	ON	ON	1	ON	ON	1	ON	ON	TEST	ON	ON
2	ON	OFF	2	ON	OFF	2	ON	OFF	-	ON	OFF
3	OFF	ON	3	OFF	ON	3	OFF	ON	+	OFF	ON
4	OFF	OFF	4	OFF	OFF	4	OFF	OFF	NORM	OFF	OFF

DEHUM		UNUSED		UNUSED		UNUSED	
SW9		SW10		SW11		SW12	
ON	NORM	ON		ON			
OFF	DH	OFF		OFF			



BM

EM/W2

Y/Y2

G

OUT+

OUT-

ADJUST

Y1

COOL

DELAY

C2

W/W1

CI

8

7

6

5

4

3

2

1

16

15

14

13

12

11

10

9

RED

BRN

ORG

YEL

GRY

R

C

W

O

Y2

G

Y1

ON

OFF

1

2

3

4

5

6

7

8

9

10

11

12

ECM

Y2

Y1

G

O

W

C

R

DH

ALI

A

ALI

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Y2

Y1

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C

R

X1

TYPICAL HEAT PUMP T-STAT

See Note 5

YEL

BLU

ORG

GRY

RED

BRN

VIO

TAN

PI

Y1

Y2

WI

O/W2

G

R

C

ALI

8

P2

AL2

R

NSB

C

ESD

OVR

H

A

P3

R

NO1

NC1

COM

NO2

NC2

COM

R

OCH

COM

S3

DIP SWITCH PACKAGE

OFF

ON

1

2

3

4

COMM:SLAVE/MASTER

HWG-NORM/TEST

HWG SP:125/150

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

ACC1

FUNCTIONS

ACC2

FUNCTIONS

H: HI FAN/DEHUMID

NOT USED

S2

DIP SWITCH PACKAGE

OFF

ON

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

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