TITLE: WATER TO WATER I20 (208/230-60-1) DXM RESIDENTIAL	PCN 16-0178	DATE: 04/19/16		DRAWING NO. 96B0225N10	REV B

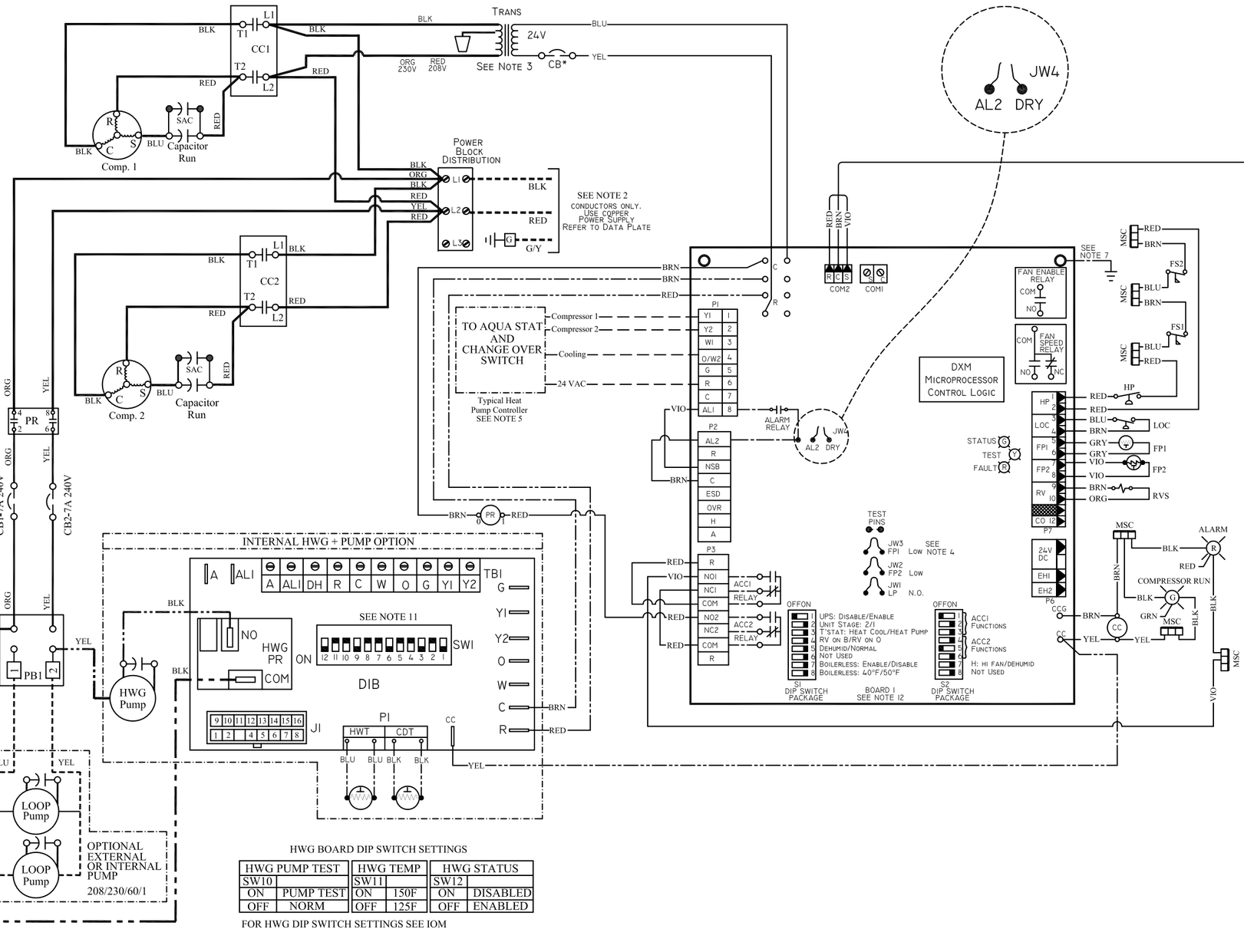
LEGEND

- 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
- FLOW SWITCH
- HIGH PRESSURE SWITCH
- LED
- LOW PRESSURE SWITCH
- MATE-N-LOCK
- Multi Splice Connector
- OPTIONAL
- 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
CR	COMPRESSOR RELAY
CO	CONDENSATE OVERFLOW SENSOR
CTB	COMMON TERMINAL BLOCK
DM	DAMPER MOTOR
ES	END SWITCH
FPI	SENSOR, LOW TEMP PROTECTION, WATER COIL
FP2	SENSOR, LOW TEMP PROTECTION, AIR COIL
FSI	SOURCE FLOW SWITCH
FS2	LOAD FLOW SWITCH
FSS	FAN SPEED SWITCH
HP	HIGH PRESSURE SWITCH
HPWS	HIGH PRESSURE WATER SWITCH
JW	JUMPER WIRE
LAT	LEAVING AIR TEMPERATURE
LOC	LOSS OF CHARGE PRESSURE SWITCH
LWT	LEAVING WATER TEMPERATURE
MSC	MULTI SPLICE CONNECTOR
PB	POWER TERMINAL BLOCK
PI	FIELD WIRING TERMINAL BLOCK
RAS	RETURN AIR SENSOR
SAC	START ASSIST CAPACITOR
TRANS	TRANSFORMER
UMT	UNIT MOUNTED THERMOSTAT
WV	WATER VALVE

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. 208/230V Transformer will be connected for 208V operation. For 230V operation, disconnect RED lead at L2 and attach ORG lead to L2. Insulate open end of RED lead. 380/420V Transformer will be connected for 380V operation. For 420V operation, disconnect VIO lead at L2 and attach BRN lead to L2. Insulate open end of VIO lead. 460V Transformer will be connected to (BLK/RED) lead. Transformer will be connected to (GRY) lead.
4. FP1 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. Refer to CABINET or AUXILIARY Wire Diagram for LON, MPC, ADA TSTAT & SURFACE MOUNT TSTAT WIRING.
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.
8. 9, 10. --RESERVED
11. HWG pump only in models with hot water generation and internal pump option. Factory default Temperature setting is 125F. For 150F setting, Anti Scald Valve must be used. See Unit IOM for instructions.
12. Suffix 1 designates association with Lead compressor, Suffix 2 with Lag compressor. EXCEPTION AL1, AL2, FP1, FP2 ARE PER LEGEND.



HWG BOARD DIP SWITCH SETTINGS

HWG PUMP TEST		HWG TEMP		HWG STATUS	
SW10		SW11		SW12	
ON	PUMP TEST	ON	150F	ON	DISABLED
OFF	NORM	OFF	125F	OFF	ENABLED

FOR HWG DIP SWITCH SETTINGS SEE IOM

COMPONENT LOCATION

