TITLE: H/V 208-230/60/3 CXM w/ECM, LON COMM	PCN 17-0013	DATE: 01/11/17		DRAWING NO. 96B0229N13	REV C

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 Contractor
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
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 is wired to 265 V (BRN) lead for 265/60/1 units, 230V (ORG) Lead for 220-240/50/1, or 208V (RED) lead for 208/60/1. For 230/60/1 switch RED & ORG leads at L1 and insulate RED 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.
6. RESERVED
7. Transformer Secondary Ground via CXM/DXM board standoffs and screws to Control Box.

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

LON1. Refer to LON, OR TSTAT Installation, Application, and Operation Manual for control wiring to the unit.

LON2. Optional LON wires. Only connect if LON connection is desired at the wall sensor.

LON3. Factory cut JW1 (CXM) or JW4 (DXM) jumper. Dry Contact will be available between AL1 and Al2.

ECM BOARD DIP SWITCH SETTINGS

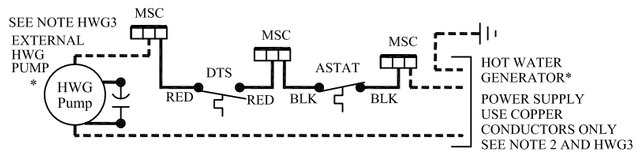
	COOL CFM			CFM HEAT			EH CFM			ADJ CFM	
SPD	SW1	SW2	SPD	SW3	SW4	SPD	SW5	SW6	SPD	SW7	SW8
1	ON	ON	1	ON	ON	1	ON	ON	TEST	ON	ON
2	ON	OFF	2	ON	OFF	2	ON	OFF	-	ON	OFF
3	OFF	ON	3	OFF	ON	3	OFF	ON	+	OFF	ON
4	OFF	OFF	4	OFF	OFF	4	OFF	OFF	NORM	OFF	OFF

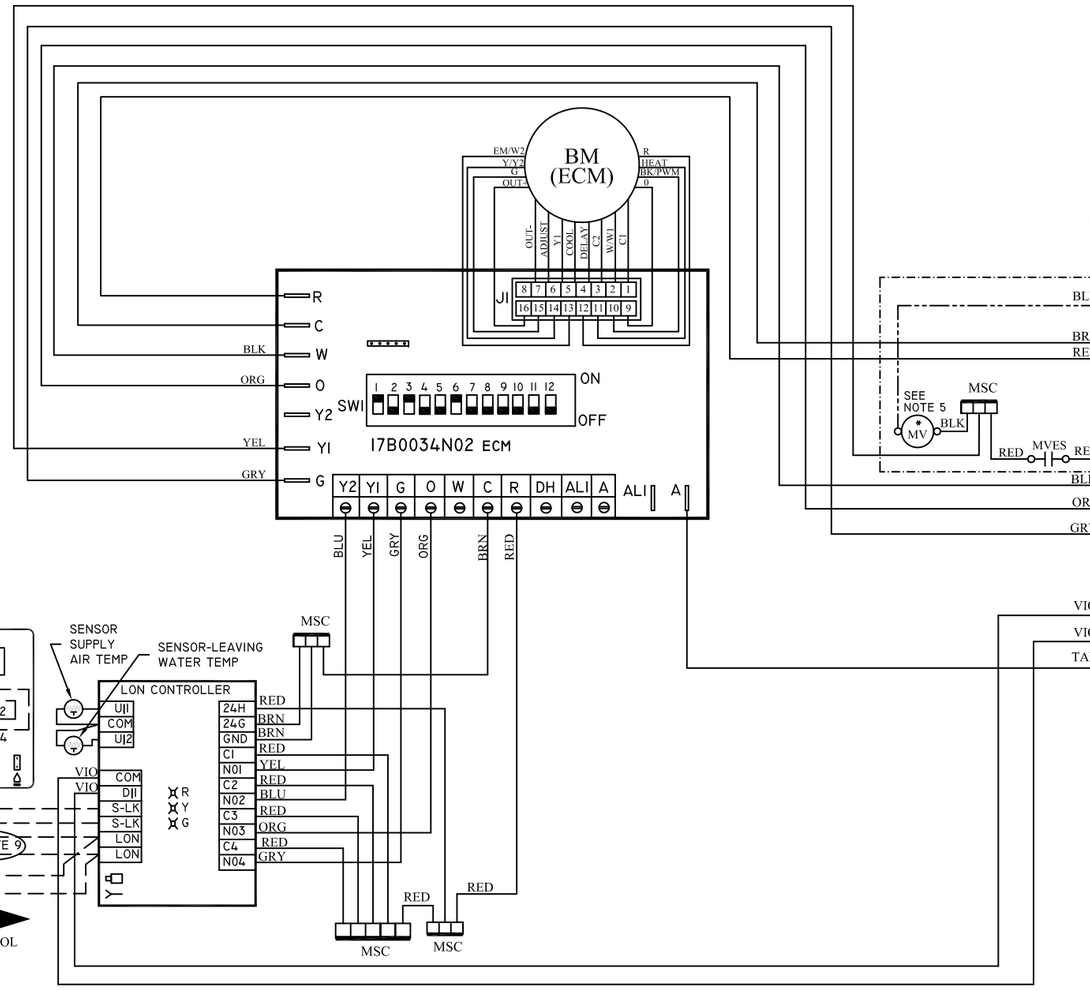
DEHUM	
SW9	
ON	NORM
OFF	DH

UNUSED	
SW10	
ON	
OFF	

UNUSED	
SW11	
ON	
OFF	

UNUSED	
SW12	





CONTROL BOX LAYOUT

