

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

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:
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 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 CXM/DXM board standoffs and screws to Control Box.

HUM1. Refer to HUMIDISTAT Installation application, and Operation Manual For Control Wiring to the unit.

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.

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.

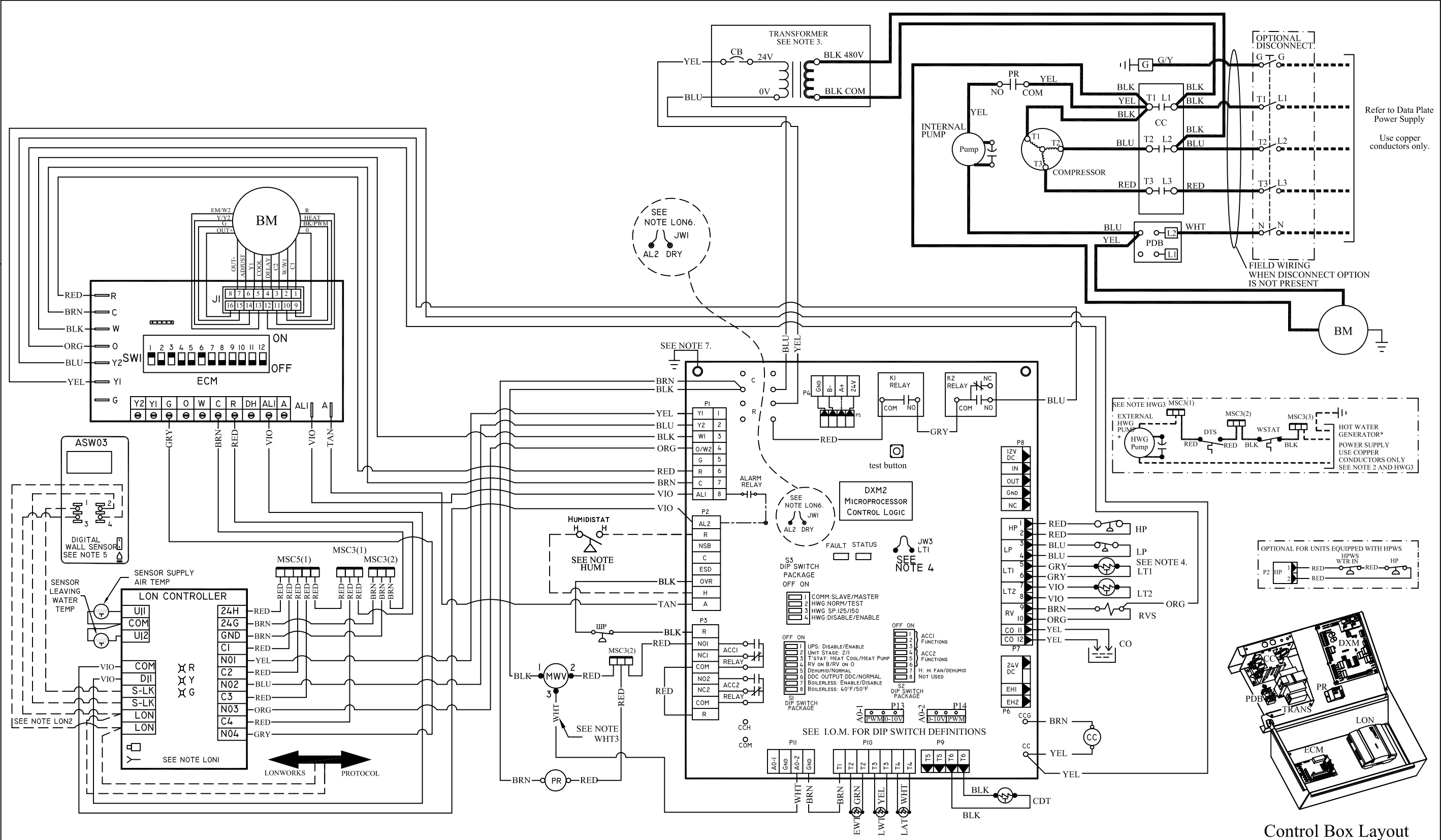
LON6. Factory cut JW1 jumper. Dry Contact will be available between AL1 and AL2.

WHT3. In case of two white wires on the actuator, use white color wire labeled as 3-THREE.

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



Control Box Layout