TITLE: TC 072-300 DXM2 & CXM + LON OPTION	PCN 19-0085	DATE: 02/18/19		DRAWING NO. 96B0147N08	REV -

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

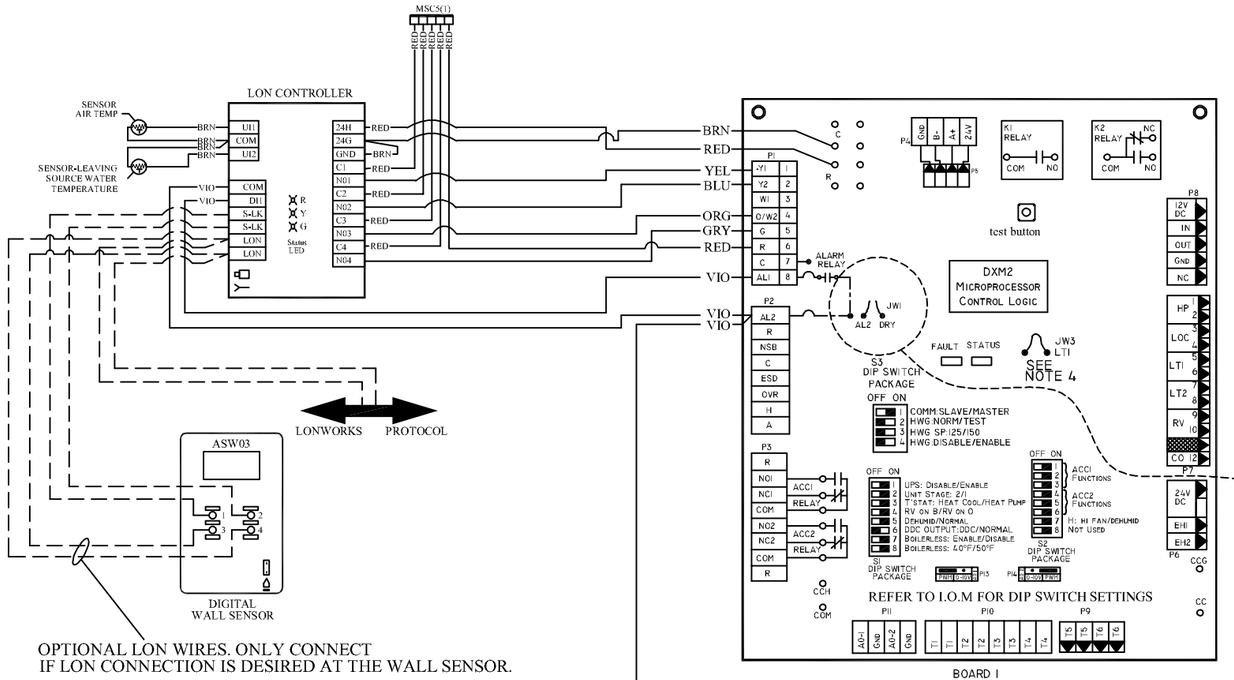
AL	Alarm Relay Contacts
BM	Blower Motor
BMC	Blower Motor Capacitor
BR	Blower Relay
CAP	Capacitor
CB	Circuit Breaker
CC	Compressor Contractor
CO	Condensate Overflow Sensor
CR	Compressor Relay
CTB	Common Terminal Block
CS	Current Sensor
DHW	Domestic Hot Water
DM	Damper Motor
DTS	Discharge Temperature Switch
ES	End Switch
EWTL	Entering Water Temp Load
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

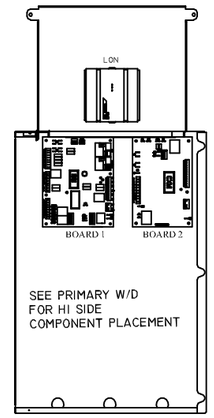
NOTES:

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. 208/230V Transformer will be connected for 208V operation. For 230V operation, disconnect RED lead at L1 and attach ORG lead to L1. Insulate open end of RED lead. 380/420V Transformer will be connected for 380V operation. For 420V operation, disconnect VIO lead at L1 and attach BRN lead to L1. 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.
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.

CXM1. Suffix 1 designates association with Lead compressor, Suffix 2 with Lag compressor. EXCEPTION AL1, AL2, FP1, FP2 ARE PER LEGEND.

DXM2 & CXM + LON OPTION





CONTROL BOX LAYOUT LON OPTION