TITLE: H/V 015-072 460/60/3 DXM2, ECM, COMMERCIAL

PCN: 13-0610 | DATE: 11/07/13 | DRAWING NO: 96B0202N25 | REV: C

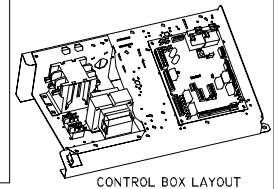
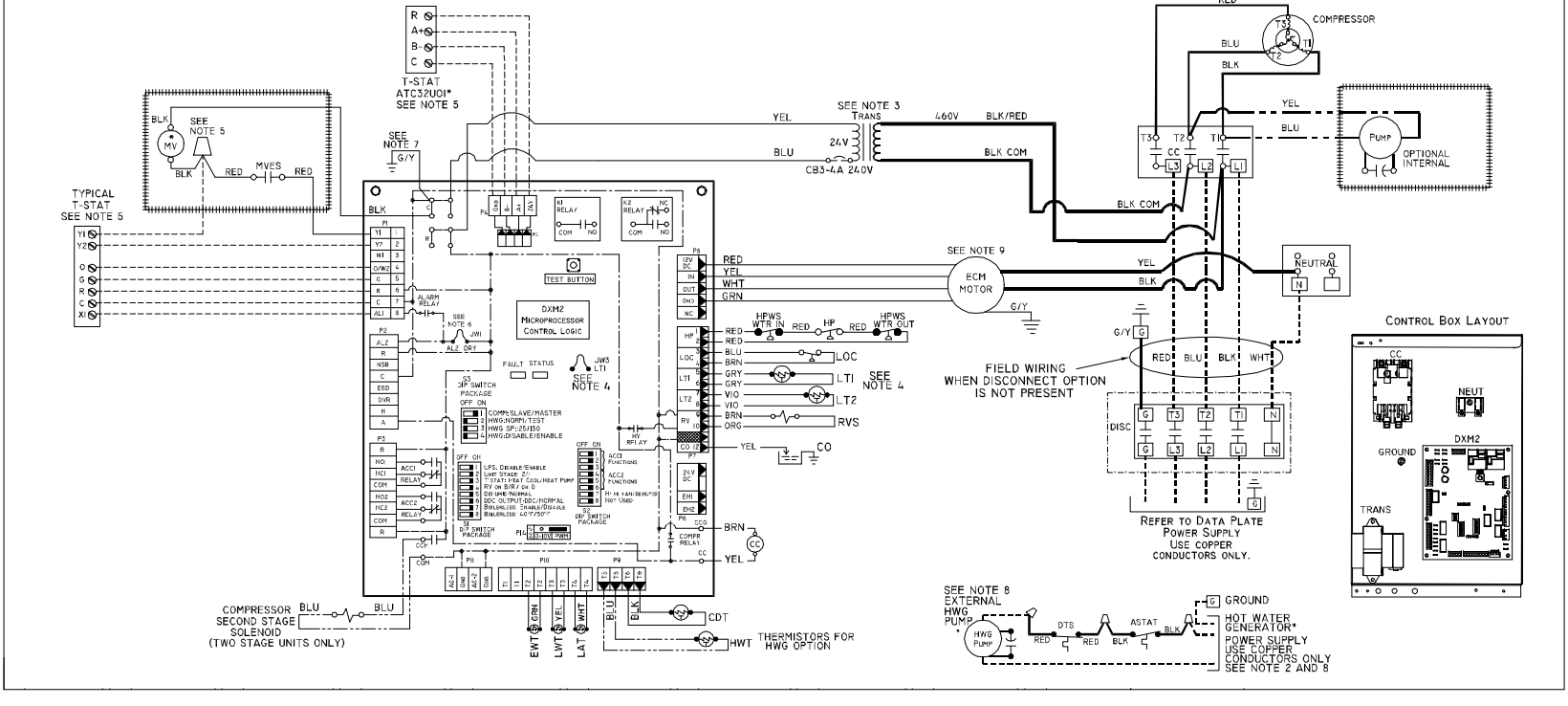
LEGEND

- FACTORY LOW VOLTAGE WIRING
- FACTORY LINE VOLTAGE WIRING
- FIELD LOW VOLTAGE WIRING
- FIELD LINE VOLTAGE WIRING
- PRINTED CIRCUIT TRACE
- OPTIONAL LOW VOLTAGE WIRING
- OPTIONAL LINE VOLTAGE WIRING
- OPTIONAL BOX
- RELAY / CONTACTOR COIL
- THERMISTOR
- CONDENSATE PAN
- GROUND
- * OPTIONAL WIRE NUT
- SPLICE CAP
- LED
- CIRCUIT BREAKER
- SOLENOID COIL
- RELAY CONTACTS - N.C.
- RELAY CONTACTS - N.O.
- CAPACITOR
- TEMPERATURE SWITCH
- LOW PRESSURE SWITCH
- HIGH PRESSURE SWITCH

AL	ALARM RELAY CONTACTS
BM	BLOWER MOTOR
BMC	BLOWER MOTOR CAPACITOR
BR	BLOWER RELAY
CRC	COMPRESSOR RUN CAPACITOR
CB	CIRCUIT BREAKER
CC	COMPRESSOR CONTACTOR
CDT	COMPRESSOR DISCHARGE TEMPERATURE SENSOR
CO	CONDENSATE OVERFLOW SENSOR
EWT	ENTERING WATER TEMPERATURE
HPA	HIGH PUMP AMBIENT TEMP SWITCH
HP	HIGH PRESSURE SWITCH
HPWS	HIGH PRESSURE WATER SWITCH
HWG	HOT WATER GENERATOR
HWT	HOT WATER GENERATOR ENTERING WATER TEMP SENSOR
JW	JUMPER WIRE
LAT	LEAVING AIR TEMPERATURE
LOC	LOSS OF CHARGE PRESSURE SWITCH
LTI	WATER COIL LOW TEMPERATURE PROTECTION SENSOR
LT2	AIR COIL LOW TEMPERATURE PROTECTION SENSOR
LWT	LEAVING WATER TEMPERATURE
NEUT	NEUTRAL
PB	FIELD WIRING POWER BLOCK
PR	PUMP RELAY
RV	REVERSING VALVE
TRANS	TRANSFORMER
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.
3. TRANSFORMER IS WIRED 460V (BLK/RED) LEAD FOR 460/60/3 UNITS, TRANSFORMER IS ENERGY LIMITING OR MAY HAVE CIRCUIT BREAKER.
4. LTI THERMISTOR PROVIDES LOW TEMPERATURE PROTECTION FOR WATER. WHEN USING ANTIFREEZE SOLUTIONS, CUT JW3 JUMPER.
5. REFER TO MPC, LON, OR TSTAT INSTALLATION, APPLICATION, AND OPERATION MANUAL FOR CONTROL WIRING TO THE UNIT. WIRE "Y" FROM T-STAT TO "Y" DXM WHEN A MOTORIZED VALVE IS NOT USED. T-STAT WIRING MUST BE "CLASS I" AND VOLTAGE RATING EQUAL TO OR GREATER THAN UNIT SUPPLY VOLTAGE.
6. 24V ALARM SIGNAL AT AL1. FOR DRY CONTACT BETWEEN AL1 & AL2, CUT JW1.
7. TRANSFORMER SECONDARY GROUND VIA CXM/DXM BOARD STANDOFFS & SCREWS TO CONTROL BOX. (GROUND AVAILABLE FROM TOP TWO STANDOFFS AS SHOWN.)
8. 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.
9. FOR ECM BLOWER MOTOR AIR FLOW ADJUSTMENT AND DIAGNOSTIC INFORMATION REFER TO UNIT IOM.



CONTROL BOX LAYOUT