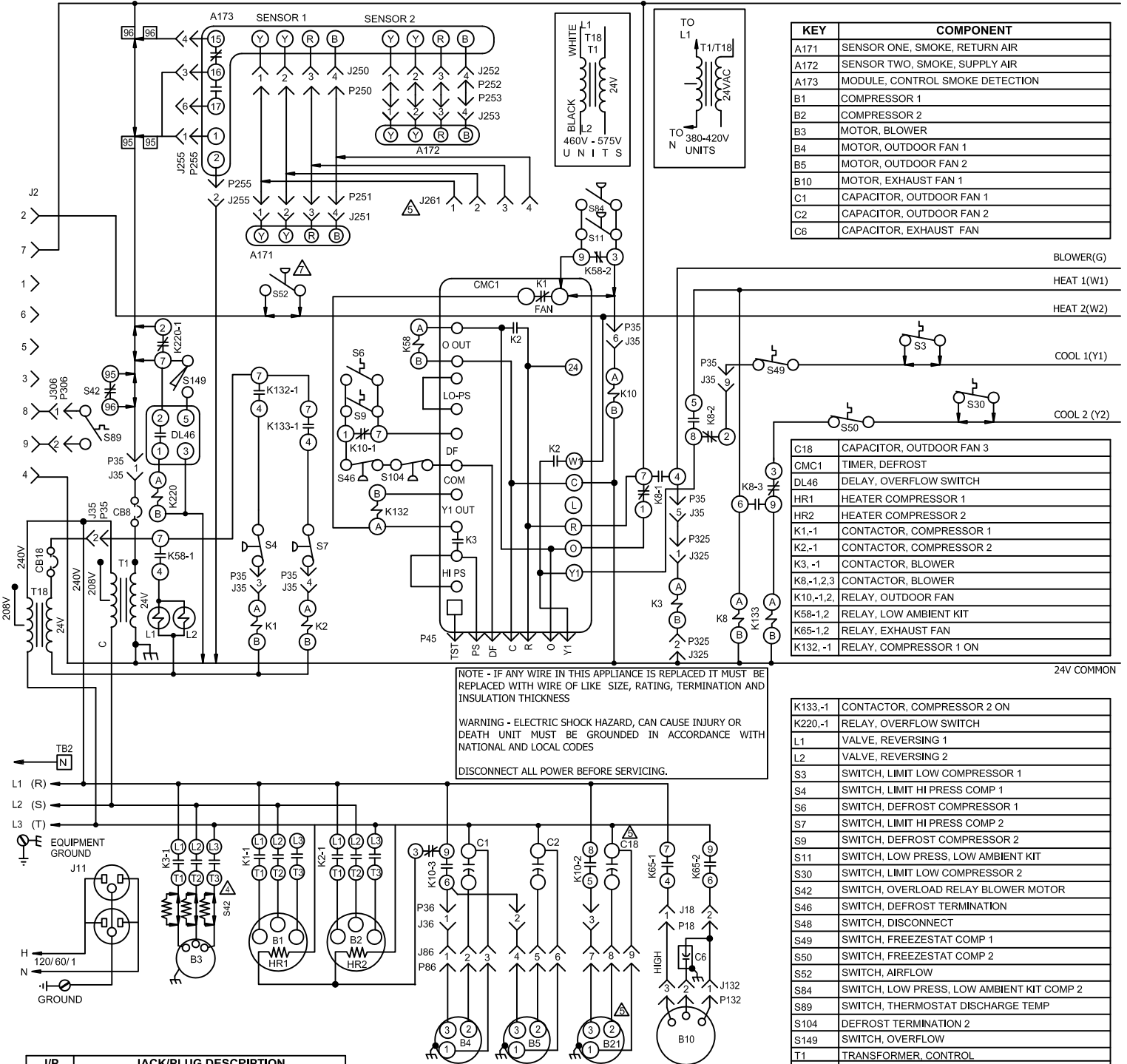


24V POWER



KEY	COMPONENT
A171	SENSOR ONE, SMOKE, RETURN AIR
A172	SENSOR TWO, SMOKE, SUPPLY AIR
A173	MODULE, CONTROL SMOKE DETECTION
B1	COMPRESSOR 1
B2	COMPRESSOR 2
B3	MOTOR, BLOWER
B4	MOTOR, OUTDOOR FAN 1
B5	MOTOR, OUTDOOR FAN 2
B10	MOTOR, EXHAUST FAN 1
C1	CAPACITOR, OUTDOOR FAN 1
C2	CAPACITOR, OUTDOOR FAN 2
C6	CAPACITOR, EXHAUST FAN

BLOWER(G)
HEAT 1(W1)
HEAT 2(W2)
COOL 1(Y1)
COOL 2 (Y2)

C18	CAPACITOR, OUTDOOR FAN 3
CMC1	TIMER, DEFROST
DL46	DELAY, OVERFLOW SWITCH
HR1	HEATER COMPRESSOR 1
HR2	HEATER COMPRESSOR 2
K1,-1	CONTACTOR, COMPRESSOR 1
K2,-1	CONTACTOR, COMPRESSOR 2
K3,-1	CONTACTOR, BLOWER
K8,-1,2,3	CONTACTOR, BLOWER
K10,-1,2	RELAY, OUTDOOR FAN
K58,-1,2	RELAY, LOW AMBIENT KIT
K65,-1,2	RELAY, EXHAUST FAN
K132,-1	RELAY, COMPRESSOR 1 ON

NOTE - IF ANY WIRE IN THIS APPLIANCE IS REPLACED IT MUST BE REPLACED WITH WIRE OF LIKE SIZE, RATING, TERMINATION AND INSULATION THICKNESS

WARNING - ELECTRIC SHOCK HAZARD, CAN CAUSE INJURY OR DEATH UNIT MUST BE GROUNDED IN ACCORDANCE WITH NATIONAL AND LOCAL CODES

DISCONNECT ALL POWER BEFORE SERVICING.

K133,-1	CONTACTOR, COMPRESSOR 2 ON
K220,-1	RELAY, OVERFLOW SWITCH
L1	VALVE, REVERSING 1
L2	VALVE, REVERSING 2
S3	SWITCH, LIMIT LOW COMPRESSOR 1
S4	SWITCH, LIMIT HI PRESS COMP 1
S6	SWITCH, DEFROST COMPRESSOR 1
S7	SWITCH, LIMIT HI PRESS COMP 2
S9	SWITCH, DEFROST COMPRESSOR 2
S11	SWITCH, LOW PRESS, LOW AMBIENT KIT
S30	SWITCH, LIMIT LOW COMPRESSOR 2
S42	SWITCH, OVERLOAD RELAY BLOWER MOTOR
S46	SWITCH, DEFROST TERMINATION
S48	SWITCH, DISCONNECT
S49	SWITCH, FREEZESTAT COMP 1
S50	SWITCH, FREEZESTAT COMP 2
S52	SWITCH, AIRFLOW
S84	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 2
S89	SWITCH, THERMOSTAT DISCHARGE TEMP
S104	DEFROST TERMINATION 2
S149	SWITCH, OVERFLOW
T1	TRANSFORMER, CONTROL
T18	TRANSFORMER
TB2	TERMINAL STRIP, UNIT

J/P	JACK/PLUG DESCRIPTION
2	HEAT
18	EXHAUST FAN COMPT
35	TEST HEAT
36	TEST COOL
47	OUTDOOR FAN 1
52	OUTDOOR FAN 2
86	OUTDOOR FANS 1
132	EXHAUST FAN MOTOR 1
250	SMOKE DETECTOR ONE
251	SMOKE DETECTOR ONE
252	SMOKE DETECTOR TWO
253	SMOKE DETECTOR TWO
255	MODULE, CONTROL SMOKE DETECTION
261	SMOKE DETECTOR JUMPER
306	S89 THERMOSTAT
325	K3 OR VFD CONTROL

- NOTE - FOR USE WITH COPPER CONDUCTORS ONLY REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE.
- TB2 IS USED ON "M" VOLTAGE UNITS ONLY
- IMPORTANT: TO PREVENT MOTOR BURNOUT, NEVER CONNECT MORE THAN ONE MOTOR LEAD TO ANY ONE CONNECTION. TAPE UNUSED MOTOR LEADS
- S42 USED ON "M" VOLTAGE UNITS AND UNITS WITH HIGH EFFICIENCY MOTORS
- CONNECT A172 SENSOR TO J261 ON SUPPLY AIR SMOKE DETECTOR ONLY
- B21 AND C18 ARE USED ON -150 UNITS ONLY
- UNITS WITH SCR OPTION ONLY

← DENOTES OPTIONAL COMPONENTS
 → LINE VOLTAGE FIELD INSTALLED

08/15		WIRING DIAGRAM	08/15
	537076-04		
COOLING			
KHA-092, 102, 120, 150-Y,G,J,M			
SECTION B			REV. 2
Supersedes		New Form No. 537076-04	