



J/P	JACK/PLUG DESCRIPTION
2	HEAT
18	EXHAUST FAN COMPT
24	EXHAUST FAN
35	TEST
36	TEST COOL
47	OUTDOOR FAN 1
52	OUTDOOR FAN 2
86	OUTDOOR FANS 1
87	OUTDOOR FANS 2
106	OUTDOOR FAN 3
107	OUTDOOR FAN 4
132	EXHAUST FAN MOTOR 1
133	EXHAUST FAN MOTOR 2
246	POWER TO VFD
247	POWER VFD TO MOTOR
248	VFD CONTROL
249	CONTACTOR BYPASS
250	SMOKE DETECTOR ONE
251	SMOKE DETECTOR ONE
252	SMOKE DETECTOR TWO
253	SMOKE DETECTOR TWO
255	MODULE, CONTROL SMOKE DETECTION
315	VFD START/ALARM
324	VFD OPTION CONNECTION
325	K3 BLOWER CONTROL
326	VFD CONTROL ADD-ON
327	VFD CONTROL ADD-ON
328	VFD BLOWER CONTROL

KEY	COMPONENT
A42	MONITOR, PHASE PROTECTION
A96	CONTROL INVERTER
A171	SENSOR ONE, SMOKE, RETURN AIR
A172	SENSOR TWO, SMOKE, SUPPLY AIR
A173	MODULE, CONTROL SMOKE DETECTION
A183	CONTROL, VFD BOARD
B1	COMPRESSOR 1
B2	COMPRESSOR 2
B3	MOTOR, BLOWER
B4	MOTOR, OUTDOOR FAN 1
B5	MOTOR, OUTDOOR FAN 2
B10	MOTOR, EXHAUST FAN 1
B11	MOTOR, EXHAUST FAN 2
B13	COMPRESSOR 3
B21	MOTOR, OUTDOOR FAN 3
B22	MOTOR, OUTDOOR FAN 4
C1	CAPACITOR, OUTDOOR FAN 1
C2	CAPACITOR, OUTDOOR FAN 2
C6	CAPACITOR, EXHAUST FAN 1
C8	CAPACITOR, EXHAUST FAN 2
C18	CAPACITOR, OUTDOOR FAN 3
C19	CAPACITOR, OUTDOOR FAN 4
CB8	CIRCUIT, BREAKER T1
CB10	CIRCUIT, BREAKER MAIN DISCONNECT
CB18	CIRCUIT, BREAKER T18
DL46	DELAY, OVERFLOW SWITCH
F6	FUSE, EXHAUST FAN
F10	FUSE, OUTDOOR FAN MOTOR
H2	HEADER 2, LVC1
HR1	HEATER, COMPRESSOR 1
HR2	HEATER, COMPRESSOR 2
HR5	HEATER, COMPRESSOR 3
J11	JACK, GFI, RECEPTACLE
J261	JACK, SMOKE DETECTOR JUMPER
K1,-1	CONTACTOR, COMPRESSOR 1
K2,-1	CONTACTOR, COMPRESSOR 2
K3,-1	CONTACTOR, BLOWER
K10,-1,2	RELAY, OUTDOOR FAN
K14,-1	CONTACTOR, COMPRESSOR 3
K65-1,2	RELAY, EXHAUST FAN 1
K66,-1	RELAY, STAGE COOL 1
K67,-1	RELAY, STAGE COOL 2
K149,-1	RELAY, OUTDOOR FAN 3
K203,-2	RELAY, VFD RUN
K220,-1	RELAY, OVERFLOW SWITCH
K232	RELAY, INVERTER PROTECTION
S3	SWITCH, LIMIT LOW COMPRESSOR 1 TEMP
S4	SWITCH, LIMIT HI PRESS COMP 1 (MANUAL RESET)
S5	SWITCH, LIMIT HI TEMP COMPRESSOR 1
S7	SWITCH, LIMIT HI PRESS COMP 2
S8	SWITCH, LIMIT HI TEMP COMPRESSOR 2
S11	SWITCH, LOW PRESS, LOW AMBIENT KIT
S28	SWITCH, LIMIT HI PRESS COMP 3
S30	SWITCH, LIMIT LOW COMPRESSOR 2 TEMP
S31	SWITCH, LIMIT HI TEMP COMPRESSOR 3
S42	SWITCH, OVERLOAD RELAY BLOWER MOTOR
S48	SWITCH, DISCONNECT
S49	SWITCH, FREEZESTAT COMP 1
S50	SWITCH, FREEZESTAT COMP 2
S53	SWITCH, FREEZESTAT COMP 3
S84	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 2
S85	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 3
S149	SWITCH, OVERFLOW
T1	TRANSFORMER, CONTROL
T18	TRANSFORMER, CONTACTOR CONTROL
TB13	TERMINAL STRIP, POWER DISTRIBUTION

NOTE - FOR USE WITH COPPER CONDUCTORS ONLY REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUI AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE.

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.

TO BYPASS A96 VFD: DISCONNECT ALL POWER UNPLUG - J246 FROM P246; AND UNPLUG J247 FROM P247. PLUG - P249 INTO J246; AND PLUG J249 INTO P247. UNPLUG - J326 FROM P324; AND UNPLUG J324 FROM P327 PLUG - P324 INTO J324

MITSUBISHI VFD

S42 USED ON UNIT WITH 10 HP MOTOR AND VFD BYPASS

P2 IS USED ON KCA UNITS ONLY

IMPORTANT: TO PREVENT MOTOR BURNOUT, NEVER CONNECT MORE THAN ONE MOTOR LEAD TO ANY ONE CONNECTION. TAPE UNUSED MOTOR LEADS

CONNECT A172 SENSOR TO J261 ON SUPPLY AIR SMOKE DETECTOR ONLY

S48 OR CB10 MAY BE USED

F6 AND F10 ARE USED ON "Y" VOLTAGE UNITS ONLY

1. USED WITH VFD CONTROL VFD OPERATION

2. USED WITH VFD CONTROL WITH BYPASS OPERATION

— DENOTES OPTIONAL COMPONENTS

— LINE VOLTAGE FIELD INSTALLED

Q

LANDMARK C-BOX WIRING DIAGRAM

11/11

COOLING

KCA/KGA - 240S, 300S - G, J, Y - VFD UNITS

SECTION B

REV 0

Supersedes _____ New Form No. _____

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