



KEY	COMPONENT
A1	PANEL, AUTOMATED LOGIC CONTROL (ALC)
A55	PANEL, MAIN
A96	CONTROL INVERTER
B1	COMPRESSOR 1
B2	COMPRESSOR 2
B3	MOTOR, BLOWER
B4	MOTOR, OUTDOOR FAN 1
B5	MOTOR, OUTDOOR FAN 2
B10	MOTOR, EXHAUST FAN
B21	MOTOR, OUTDOOR FAN 3
CB	CAPACITOR, EXHAUST FAN
CB8	CIRCUIT BREAKER
CB10	CIRCUIT BREAKER, MAIN DISCONNECT UNIT
CB31	CIRCUIT BREAKER, TRANSFORMER T43
F4	FUSE, UNIT
HR1	HEATER, COMPRESSOR 1
HR2	HEATER, COMPRESSOR 2
J11	JACK, GFI RECEPTACLE
K1-1	CONTACTOR, COMPRESSOR 1
K2-1	CONTACTOR, COMPRESSOR 2
K3-1	CONTACTOR, BLOWER
K191-1	RELAY, OUTDOOR FAN 1
K65-1,2	RELAY, EXHAUST FAN
K194-1	RELAY, OUTDOOR FAN 2
K202-1	CONTACTOR, POWER TO MOTOR
K203-1,2	RELAY, INVERTER START/RUN
L41	TXV VALVE SOLENOID
L42	TXV VALVE SOLENOID
RT17	SENSOR, OUTSIDE AIR TEMPERATURE
S4	SWITCH, LIMIT HI PRESS COMP 1
S5	SWITCH, LIMIT HI TEMP COMPRESSOR 1
S8	SWITCH, LIMIT HI TEMP COMPRESSOR 2
S11	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 1
S48	SWITCH, DISCONNECT
S49	SWITCH, FREEZE/STAT COMP 1
S50	SWITCH, FREEZE/STAT COMP 2
S87	SWITCH, LOW PRESS, COMPRESSOR 1
T1	TRANSFORMER, CONTROL
T5	TRANSFORMER
T43	TRANSFORMER, REHEAT
TB2	TERMINAL STRIP, UNIT
TB13	TERMINAL STRIP, POWER DISTRIBUTION

120 V FIELD PROVIDED POWER SUPPLY IS REQUIRED

J/P	JACK/PLUG DESCRIPTION
18	POWER, EXHAUST FAN
86	POWER, OUTDOOR FAN INTERFACE B4
87	POWER, OUTDOOR FAN INTERFACE B5
88	POWER, OUTDOOR FAN INTERFACE B21
132	POWER, EXHAUST FAN MOTOR
246	POWER TO VFD
247	POWER, VFD TO MOTOR
248	VFD CONTROL
249	POWER, CONTACTOR BYPASS
259	BLOWER CONTROL HARNESS
263	HIGH AND LOW PRESSURE SWITCHES
264	BLOWER DECK
265	CONTACTORS AND RELAYS
267	OUTDOOR FAN AREA
268	TRANSFORMERS T1 POWER
269	TRANSFORMER T43 POWER
298	IAQ INTERFACE

- ⚠ T5 USED ON G & J VOLTAGE ONLY
- ⚠ USED ON 094U, 122U, 152U UNITS ONLY
- ⚠ S49 AND S50 ARE PART OF 5VDC CIRCUIT
- ⚠ OPTIONAL
- ⚠ K65 CONTROLLED BY A1, IN TARGET ALC APPLICATIONS ONLY
- ⚠ DO7 USED ON UNITS WITH HUMIDITROL TO POWER EXHAUST FANS. DO6 PROVIDES POWER TO K65 ON UNITS WITH NO HUMIDITROL
- ⚠ NOTE: FOR USE WITH COPPER CONDUCTORS ONLY. REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE.

← DENOTES OPTIONAL COMPONENTS
 — LINE VOLTAGE FIELD INSTALLED

04/15		WIRING DIAGRAM	04/15
		537617-01	
COOLING -MSAV WITH BYPASS			
(ULTRA) LCH/LGH - 092U, 094U, 120U, 122U, 152U - Y, G, J, M			
SECTION B			REV 1
Supersedes		New Form No. 537617-01	