

NOTE-FOR USE WITH COPPER CONDUCTORS ONLY
REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT
AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE
THERMOSTAT HEAT ANTICIPATION SETTING 0.7 AMP

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

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

DISCONNECT ALL POWER BEFORE SERVICING

ECONOMIZER

BLOWER(G)

HEAT I(WI)

COOL I(YI)

FOR USE ON CANADIAN UNITS ONLY

S21 IS USED ON 024,030 AND 036 UNITS ONLY

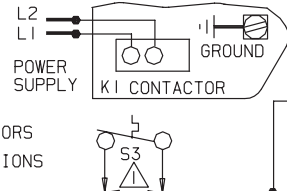
-50°C LOW AMBIENT CONTROL,CGA UNITS ONLY

CONNECTIONS FOR REMOTE MOUNTED SMOKE DETECTOR

A17, MAX LOAD 0.1VA 24VAC CLASS II

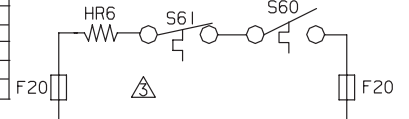
HRI IS NOT USED ON UNITS WITH SCROLL COMPRESSORS

REFER TO BLOWER SPEED CHART FOR MOTOR CONNECTIONS

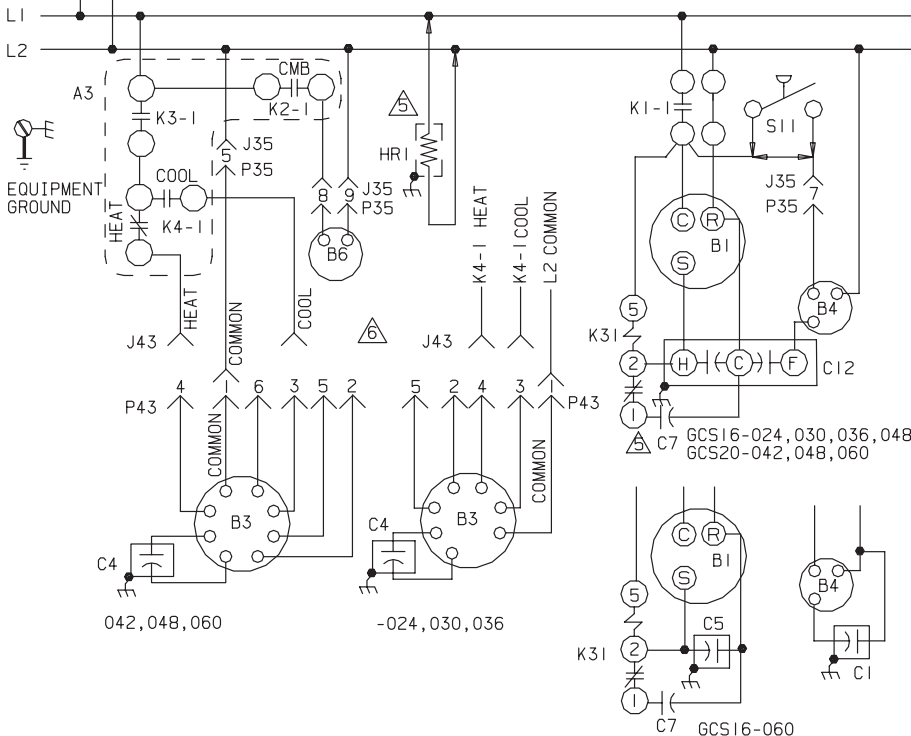


KEY	DESCRIPTION
A3	CONTROL-BURNER
A17	(SEE NOTE 4)
B1	COMPRESSOR
B3	MOTOR-BLOWER
B4	MOTOR-OUTDOOR FAN
B6	MOTOR-COMB AIR BLOWER
C1	CAPACITOR-OUTDOOR FAN
C4	CAPACITOR-BLOWER MOTOR
C5	CAPACITOR-COMPRESSOR
C7	CAPACITOR-START
C12	CAPACITOR-DUAL
CB8	CIRCUIT BREAKER-TRANS T1
F20	FUSE,-50C LOW AMBIENT KIT
GV1	VALVE-GAS
HRI	HEATER-COMPRESSOR
HR6	HEATER,-50C LOW AMBIENT KIT
J35	JACK-TEST
J43	JACK-BLOWER MOTOR
J58	JACK-BURNER CONTROL
K1,-1	CONTACTOR-COMPRESSOR
K20,-1	RELAY-BLOWER
K31	RELAY-POTENTIAL
K43,-1	RELAY-ECONOMIZER BLOWER
P35	PLUG-TEST
P43	PLUG-BLOWER MOTOR
P58	PLUG-BURNER CONTROL
P66	PLUG-NOVAR ETM

KEY	DESCRIPTION
S3	SWITCH-LIMIT,LOW COMP 1 /COMPRESSOR MONITOR
S4	SWITCH-LIMIT, HI PRESS
S10	SWITCH-LIMIT, PRIMARY GAS
S11	SWITCH-LOW PRESS,LOW AMB KIT
S18	SWITCH-COMB AIR BLOWER
S21	SWITCH-LIMIT,SECONDARY GAS HEAT
S47	SWITCH-FLAME ROLLOUT
S49	SWITCH-FREEZESTAT
S59	THERMOSTAT,-35C OPEN,-50C LOW AMB KIT
S60	THERMO,-23C CL,-7C OP,-50C LOW AMB
S61	THERMOSTAT,+24C OPEN,-50C LOW AMB KIT
S74	SWITCH-FIRESTAT 1
S75	SWITCH-FIRESTAT 2
T1	TRANSFORMER-CONTROL
TB32	TERMINAL STRIP-GROUND



← DENOTES OPTIONAL COMPONENTS



UNITS	FACTORY CONNECTED SPEED TAPS		MOTOR SPEEDS AVAILABLE
	COOL	HEAT	
-024,-030	3	3	4
-036	3	3	4
-042,-048,-060	3	3	4
BLOWER SPEED SELECTION			
HI ← → LO			
SPEED TAPS	2	3	4
	2	3	4

LINE VOLTAGE FIELD INSTALLED NEC/CEC CLASS I
NOTE-ALL REMAINING WIRES FACTORY INSTALLED

WIRING DIAGRAM		6/04
COMBINATION UNITS-ROOFTOP		
GCS16-024,030,060-2,4,5-P GCS16-036,048-5,6-P		
HEAT,COOL SECTION B42		
Supersedes Form No.	New Form No.	
533,685W	534,333W	