



BLOWER DELAY TIMING
ON TIME 45 SEC
OFF TIME 150 SEC

KEY	DESCRIPTION	KEY	DESCRIPTION
K13	CONTACTOR-COMB AIR BLOWER	C19	CAPACITOR-OUTDOOR FAN 4
K14	CONTACTOR-COMPRESSOR 3	C88	CIRCUIT BREAKER, TRANS T1
K25	RELAY-BLOWER DELAY	CB10	CIRCUIT BREAKER
K57	RELAY-HEAT, BLOWER 2	F10	FUSE-OUTDOOR FAN MOTOR
K65	RELAY-EXHAUST FAN	GV1	VALVE-GAS 1
K68	RELAY-OUTDOOR FAN 2	GV3	VALVE-GAS 2
K146	CONTACTOR-COMPRESSOR 4	HR1	HEATER-COMPRESSOR 1
K149	CONTACTOR-OUTDOOR FAN 3	HR2	HEATER-COMPRESSOR 2
K150	CONTACTOR-OUTDOOR FAN 4	HR5	HEATER-COMPRESSOR 3
P137	PLUG-TEST, COOL	HR11	HEATER-COMPRESSOR 4
R1	SENSOR-MIXED AIR	J11	JACK-GFI RECEPTACLE
R2	POT-MINIMUM POSITION	J137	JACK-TEST, COOL
RT1	SENSOR-DISCHARGE	K1	CONTACTOR-COMPRESSOR 1
S4	SWITCH-LIMIT, HI PRESS COMP 1	K2	CONTACTOR-COMPRESSOR 2
S7	SWITCH-LIMIT, HI PRESS COMP 2	K3	CONTACTOR-BLOWER
S10	SWITCH-LIMIT, PRIMARY GAS 1	K4	CONTACTOR-COMPRESSOR 3
S11	SWITCH-PRESSURE, LOW AMB, COMP 1	K14	CONTACTOR-COMPRESSOR 4
S18	SWITCH-COMB AIR BLOWER, PROVE 1	K146	CONTACTOR-COMPRESSOR 4
S21	SWITCH-LIMIT, SEC GAS HEAT	K149	CONTACTOR-OUTDOOR FAN 3
S28	SWITCH-LIMIT, HI PRESS COMP 3	K150	CONTACTOR-OUTDOOR FAN 4
S41	THERMOSTAT-LOW AMB, OUTDOOR FAN 1	P137	PLUG-TEST, COOL
S45	SWITCH-COMB AIR BLOWER, PROVE 2	R1	SENSOR-MIXED AIR
S47	SWITCH-FLAME ROLLOUT, BURNER 1	R2	POT-MINIMUM POSITION
S49	SWITCH-FREEZESTAT, COMP 1	RT1	SENSOR-DISCHARGE
S50	SWITCH-FREEZESTAT, COMP 2	S4	SWITCH-LIMIT, HI PRESS COMP 1
S52	SWITCH-AIRFLOW	S7	SWITCH-LIMIT, HI PRESS COMP 2
S53	SWITCH-FREEZESTAT, COMP 3	S10	SWITCH-LIMIT, PRIMARY GAS 1
S69	SWITCH-FLAME ROLLOUT, BURNER 2	S11	SWITCH-PRESSURE, LOW AMB, COMP 1
S81	SWITCH-LOW AMB KIT INTERLOCK	S18	SWITCH-COMB AIR BLOWER, PROVE 1
S84	SWITCH-LOW PRESS, LOW AMB, COMP 2	S21	SWITCH-LIMIT, SEC GAS HEAT
S85	SWITCH-LOW PRESS, LOW AMB, COMP 3	S28	SWITCH-LIMIT, HI PRESS COMP 3
S87	SWITCH-LOW PRESS, COMPRESSOR 1	S41	THERMOSTAT-LOW AMB, OUTDOOR FAN 1
S88	SWITCH-LOW PRESS, COMPRESSOR 2	S45	SWITCH-COMB AIR BLOWER, PROVE 2
S94	SWITCH-LOW PRESS, LOW AMB, COMP 4	S47	SWITCH-FLAME ROLLOUT, BURNER 1
S95	SWITCH-FREEZESTAT, COMP 4	S49	SWITCH-FREEZESTAT, COMP 1
S96	SWITCH-LIMIT, HI PRESS COMP 4	S50	SWITCH-FREEZESTAT, COMP 2
S97	SWITCH-LOW PRESS, COMP 4	S52	SWITCH-AIRFLOW
S98	SWITCH-LOW PRESS, COMP 3	S53	SWITCH-FREEZESTAT, COMP 3
S99	SWITCH-LIMIT, PRIMARY GAS 2	S69	SWITCH-FLAME ROLLOUT, BURNER 2
S100	SWITCH-LIMIT, SEC GAS HEAT 2	S81	SWITCH-LOW AMB KIT INTERLOCK
S108	SWITCH-LIMIT, AUX GAS HEAT	S84	SWITCH-LOW PRESS, LOW AMB, COMP 2
T1	TRANSFORMER-CONTROL	S85	SWITCH-LOW PRESS, LOW AMB, COMP 3
T31	TRANSFORMER-SMOKE DETECTOR	S87	SWITCH-LOW PRESS, COMPRESSOR 1
TB13	TERMINAL STRIP-POWER DISTRIB	S88	SWITCH-LOW PRESS, COMPRESSOR 2
TB28	TERMINAL STRIP-ACCESSORY	S94	SWITCH-LOW PRESS, LOW AMB, COMP 4
TB32	TERMINAL STRIP-GROUND	S95	SWITCH-FREEZESTAT, COMP 4
TB34	TERMINAL STRIP-TRANS T1	S96	SWITCH-LIMIT, HI PRESS COMP 4
TB39	TERMINAL STRIP-115V FIELD SUPPLY	S97	SWITCH-LOW PRESS, COMP 4
TB47	TERMINAL STRIP-EXHAUST FAN	S98	SWITCH-LOW PRESS, COMP 3

KEY	DESCRIPTION	KEY	DESCRIPTION
B5	MOTOR-COND FAN 2	C11	CAPACITOR-COMB AIR MTR 2
B6	MOTOR-COMB AIR BLOWER 1	C18	CAPACITOR-OUTDOOR FAN 3
B7	MOTOR-DAMPER		
B10	MOTOR-EXHAUST FAN 1		
B11	MOTOR-EXHAUST FAN 2		
B13	COMPRESSOR 3		
B15	MOTOR-COMB AIR BLOWER 2		
B20	COMPRESSOR 4		
B21	MOTOR-OUTDOOR FAN 3		
B22	MOTOR-OUTDOOR FAN 4		
C1	CAPACITOR-COND FAN 1		
C2	CAPACITOR-COND FAN 2		
C3	CAPACITOR-COMB AIR MTR 1		
C6	CAPACITOR-EXHAUST FAN 1		
C8	CAPACITOR-EXHAUST FAN 2		
C11	CAPACITOR-COMB AIR MTR 2		
C18	CAPACITOR-OUTDOOR FAN 3		

KEY	DESCRIPTION
A1	CONTROL-MODULE, NOVAR ETC
A2	THERMOSTAT-ELECTRONIC
A3	CONTROL-BURNER 1
A12	CONTROL-BURNER 2
A16	CONTROL-MICROPROCESSOR
A17	DETECTOR-SMOKE R.A.
A64	DETECTOR-SMOKE S.A.
B1	COMPRESSOR 1
B2	COMPRESSOR 2
B3	MOTOR-BLOWER
B4	MOTOR-COND FAN 1

FOR POINT TO POINT WIRING SEE 534,908W

LENNOX Industries Inc. WIRING DIAGRAM 10/04

COMBINATION UNIT-ROOFTOP
LGB240HH1(Y)-A
DANFOSS MODULE AND GLOBAL
MODULATING ECONOMIZER
HEAT/COOL SECTION

Supersedes Form No. _____ New Form No. 534,907W

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