



KEY	DESCRIPTION
A3	CONTROL BURNER 1
A12	CONTROL BURNER 2
A76	CONTROL, MODULATING VALVE 1
A133	CONTROL, LENNOX GP BOARD
A145	CONTROL, MODULATING VALVE 1
A55	PANEL MAIN
B6	MOTOR COMBUSTION AIR BLOWER 1
B15	MOTOR COMBUSTION AIR BLOWER 2
C3	CAPACITOR, COMB AIR BLOWER 1
C11	CAPACITOR, COMB AIR BLOWER 2
CB29	CIRCUIT BREAKER, TRANSFORMER 33
CB35	CIRCUIT BREAKER, TRANSFORMER 50
E1	SPARK
FS1	SENSOR FLAME
GV1	VALVE, GAS 1
GV3	VALVE, GAS 2
GV4	VALVE, MODULATING GAS 1
GV5	VALVE, MODULATING GAS 2
HR6	HEATER, .50C LOW AMBIENT KIT
J19	JACK, COMBUSTION AIR BLOWER 1
J21	JACK, COMBUSTION AIR BLOWER 2
J194	JACK, I/O FOR A133 LENNOX A133 BOARD
J221	JACK, HARNESS BURNER 1
J222	JACK, HARNESS BURNER 2
J223	JACK, MODULATING GAS ADDER
J224	JACK, CAB POWER 208/240V
J225	JACK, CAB POWER 480/600V
J226	JACK, S10 HORIZONTAL DISCHARGE LIMIT
J227	JACK, T33, T50 POWER
J228	JACK, VESTIBULE HEATER

J229	JACK, VESTIBULE HEATER CONTROL 1
J230	JACK, VESTIBULE HEATER CONTROL 2
J231	JACK, VESTIBULE HEATER CONTROL PWR
J265	JACK, CONTACTOR RELAY
J266A	JACK, HEATING CONTROL STG 1
J266B	JACK, HEATING CONTROL STG 2
J271A	JACK, HEATING SENSORS STG 1
J271A,B	JACK, HEATING SENSORS STG 2
K125	RELAY, HEATING CONTROL 1
K125, -1,2	RELAY, HEATING CONTROL 2
K125	RELAY, HEAT SHUT OFF
P21	PLUG, COMBUSTION AIR BLOWER 1
P21	PLUG, COMBUSTION AIR BLOWER 2
P194	PLUG, I/O FOR LENNOX A133 BOARD
P221	PLUG, HARNESS BURNER 1
P222	PLUG, HARNESS BURNER 2
P223	PLUG, MODULATING GAS ADDER
P224	PLUG, CAB POWER 208/240V
P225	PLUG, CAB POWER 480/600V
P226	PLUG, S10 HORIZONTAL DISCHARGE LIMIT
P227	PLUG, T33, T50 POWER
P228	PLUG, VESTIBULE HEATER
P229	PLUG, VESTIBULE HEATER CONTROL 1
P230	PLUG, VESTIBULE HEATER CONTROL 2
P231	PLUG, VESTIBULE HEATER CONTROL PWR
P266	PLUG, CONTACTOR RELAY
P266	PLUG, HEATING CONTROL

P271A,B	PLUG, HEATING SENSORS STG 1
P272A,B	PLUG, HEATING SENSORS STG 2
S10	SWITCH, LIMIT PRIMARY GAS
S18	SWITCH, COMB AIR BLOWER 1 PROOF
S21	SWITCH, LIMIT SECONDARY GAS HEAT
S21	SWITCH, LIMIT SECONDARY GAS HEAT
S45	SWITCH, COMB AIR BLOWER 2 PROOF
S47	SWITCH, FLAME ROLLOUT BURNER
S59	TS/STAT, OPEN -20F, CLOSE -10F
S60	TS/STAT, OPEN 50F, CLOSE 20F
S61	TS/STAT, FLAME ROLLOUT 2
S69	SWITCH, LIMIT PRIMARY BURNER 2
S99	TRANSFORMER, COMB AIR BLOWER 1
T3	TRANSFORMER, COMB AIR BLOWER 2
T33	TRANSFORMER, MODULATING VALVE 1
T50	TRANSFORMER, MODULATING VALVE 2
TB19	TERMINAL STRIP, CYCLE CONTROL OUT
TB47	TERMINAL STRIP, EXHAUST FANS

- ▲ CSA (-50C) LOW AMBIENT KIT (OPTIONAL)
- ▲ T3 AND T13 USED ON 575 V UNITS ONLY
- ▲ S99 IS USED ON DOWN DISCHARGE APPLICATIONS
- ▲ HORIZONTAL DISCHARGE APPLICATIONS
- ▲ J224, P224 USED ON 208 / 240 V UNITS

▲ DENOTES OPTIONAL COMPONENTS

09/15

WIRING DIAGRAM

537219-02

HEATING

MODULATING GAS HEAT

ENERGENCE SERIES 500 AND 800

SECTION A

09/15

Supersedes

New Form No.

537219-02