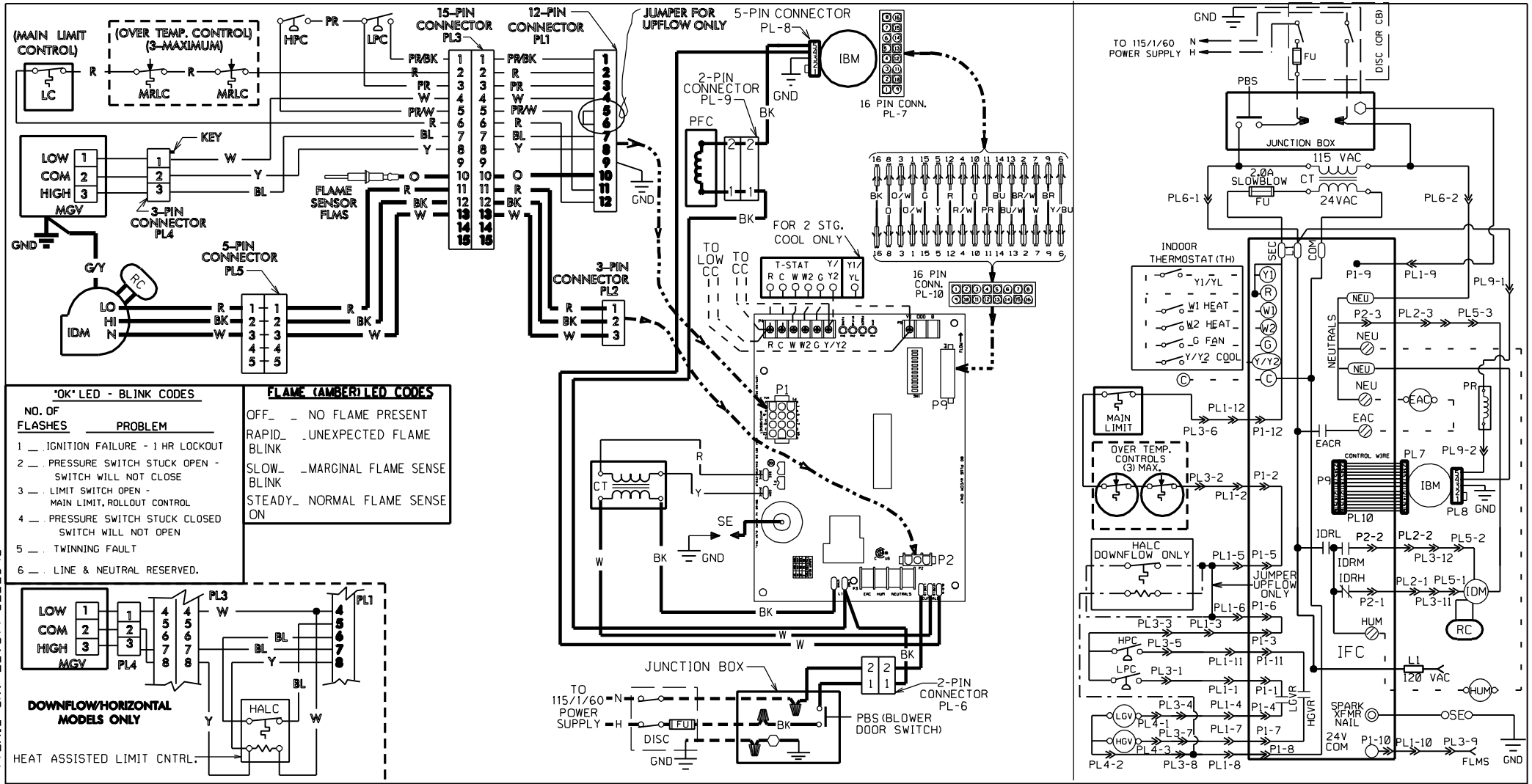


"OK" LED - BLINK CODES

NO. OF FLASHES	PROBLEM
1	IGNITION FAILURE - 1 HR LOCKOUT
2	PRESSURE SWITCH STUCK OPEN - SWITCH WILL NOT CLOSE
3	LIMIT SWITCH OPEN - MAIN LIMIT, ROLLOUT CONTROL
4	PRESSURE SWITCH STUCK CLOSED SWITCH WILL NOT OPEN
5	TWINNING FAULT
6	LINE & NEUTRAL RESERVED.

FLAME (AMBER) LED CODES

OFF	NO FLAME PRESENT
RAPID BLINK	UNEXPECTED FLAME
SLOW BLINK	MARGINAL FLAME SENSE
STEADY ON	NORMAL FLAME SENSE

COMPONENT CODE

BR	BLOWER RELAY
CC	COMPRESSOR CONTACTOR
CT	CONTROL TRANSFORMER
DISC	DISCONNECT SWITCH
EAC	ELECTRIC AIR CLEANER
FR	FAN RELAY
FLMS	FLAME SENSOR
FU	FUSE
GND	GROUND
GVR	GAS VALVE RELAY
HALC	HEAT ASSIST. LIMIT CNTRL.
HCR	HEAT/COOL RELAY
HGVR	HIGH GAS VALVE RELAY
HPC	HIGH PRESSURE CONTROL
HUM	HUMIDIFIER
HUMR	HUMIDIFIER RELAY
IBM	INDOOR BLOWER MOTOR
IDM	INDUCED DRAFT MOTOR
IDRL	IND. DRAFT RELAY-LOW SPD.
IDRH	IND. DRAFT RELAY - HIGH
IFC	INTRGRTD FURNACE CNTRL
IR	IGNITION RELAY
LC	LIMIT CONTROL
LGVR	LOW GAS VALVE RELAY
LPC	LOW PRESSURE CONTROL
MGV	MAIN GAS VALVE
MRLC	MAN. RESET LIMIT CNTRL
NPC	NEG. PRESSURE CNTRL
PBS	PUSH BUTTON SWITCH
P	PLUG MOUNTED ON CONTROL BOARD
PL	PLUG
RC	RUN CAPACITOR
SE	SPARK IGNIT. ELECTRODE
TH	THERMOSTAT (H/C)
▲	WIRE NUT

NOTES:

1. WITH SINGLE STAGE THERMOSTAT CONNECT "W" ON THERMOSTAT TO "W2" ON IFC.

WIRING INFORMATION

LINE VOLTAGE
- -FACTORY STANDARD
- -FACTORY OPTION
- -FIELD INSTALLED

LOW VOLTAGE
- -FACTORY STANDARD
- -FACTORY OPTION
- -FIELD INSTALLED

REPLACEMENT WIRE
- -MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C.MIN.)

WARNING
- -CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE.

WIRE COLOR CODE

BK__BLACK	O___ORANGE
BR__BROWN	PR__PURPLE
BL__BLUE	R___RED
G___GREEN	W___WHITE
GY__GRAY	Y___YELLOW

ELECTRICAL WIRING DIAGRAM

UPFLOW/DOWNFLOW/HORIZONTAL
BLOWER INDUCED DRAFT
GAS FIRED, FORCED AIR FURNACE
TWO STAGE HEAT
SINGLE STAGE COOL
DIRECT SPARK IGNITION
90+ MODELS W/ ECM VR SPD MOTOR

DR. BY	APP. BY	DATE	DWG. NO.	REV
MGR		3-25-09	90-100613-03	02

DWG. NO. 90-100613-03 REV 02