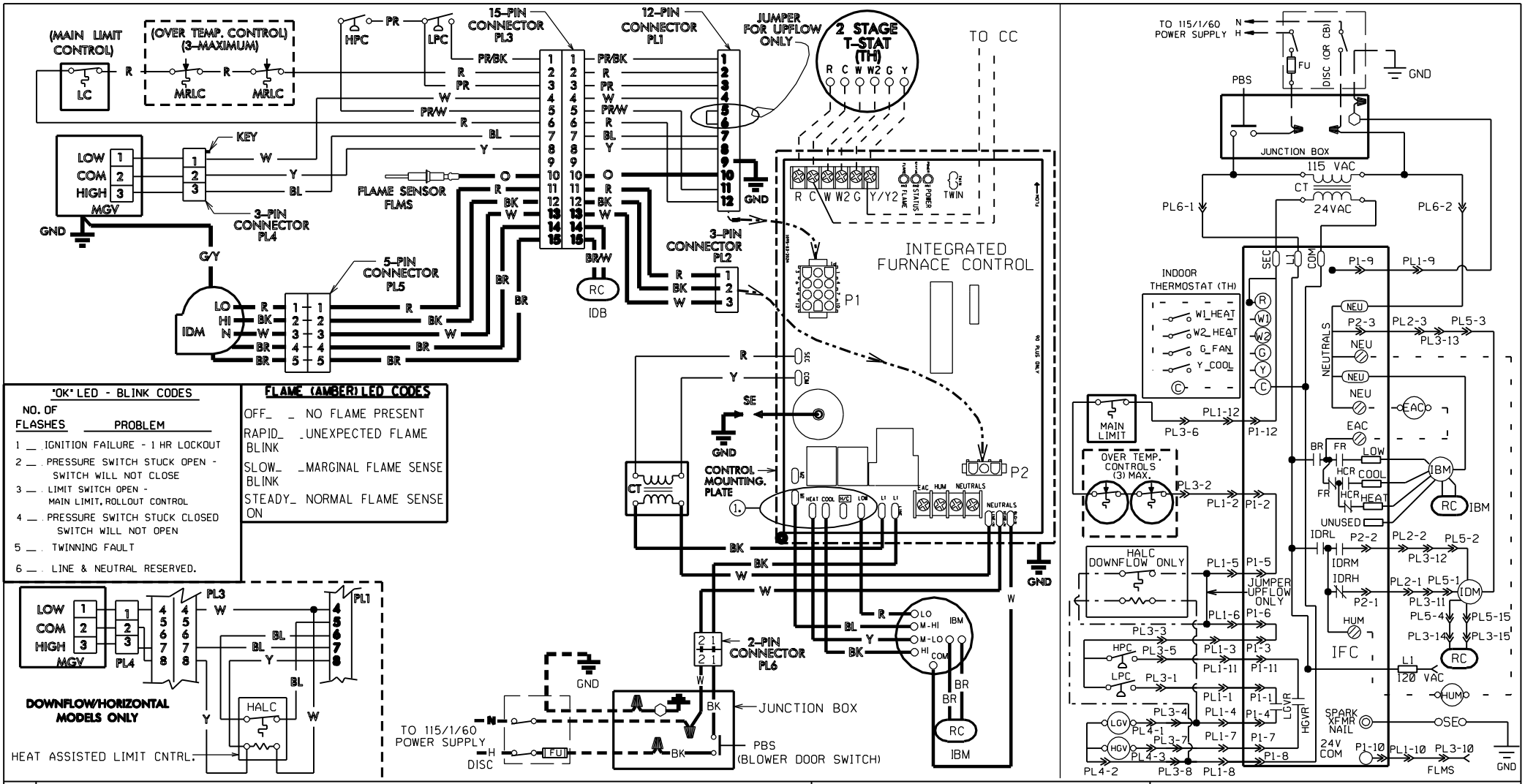


"OK" LED - BLINK CODES

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

NOTES:

1. REFER TO SPEC. SHEET FOR ACTUAL FACTORY MOTOR TAP PLACEMENT OF "HEAT" & "LOW" AS SOME MODELS ARE DIFFERENT THAN SHOWN HERE. ALSO, REFER TO SPEC. SHEET OR INSTALLATION MANUAL IF WIRING OF HEAT AND / OR COOL SPEEDS IS NOT DESIREABLE.
2. CONNECT UNUSED MOTOR LEADS TO M1 AND/OR M2.
3. DO NOT CONNECT ANY LEADS TO HEAT OR COOL TERMINAL IF THE H/C TERMINAL IS USED
4. 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

DR. BY	APP. BY	DATE	DWG. NO.	REV
JIM		5-12-10	90-100613-05	00

DWG. NO. 90-100613-05 REV 00