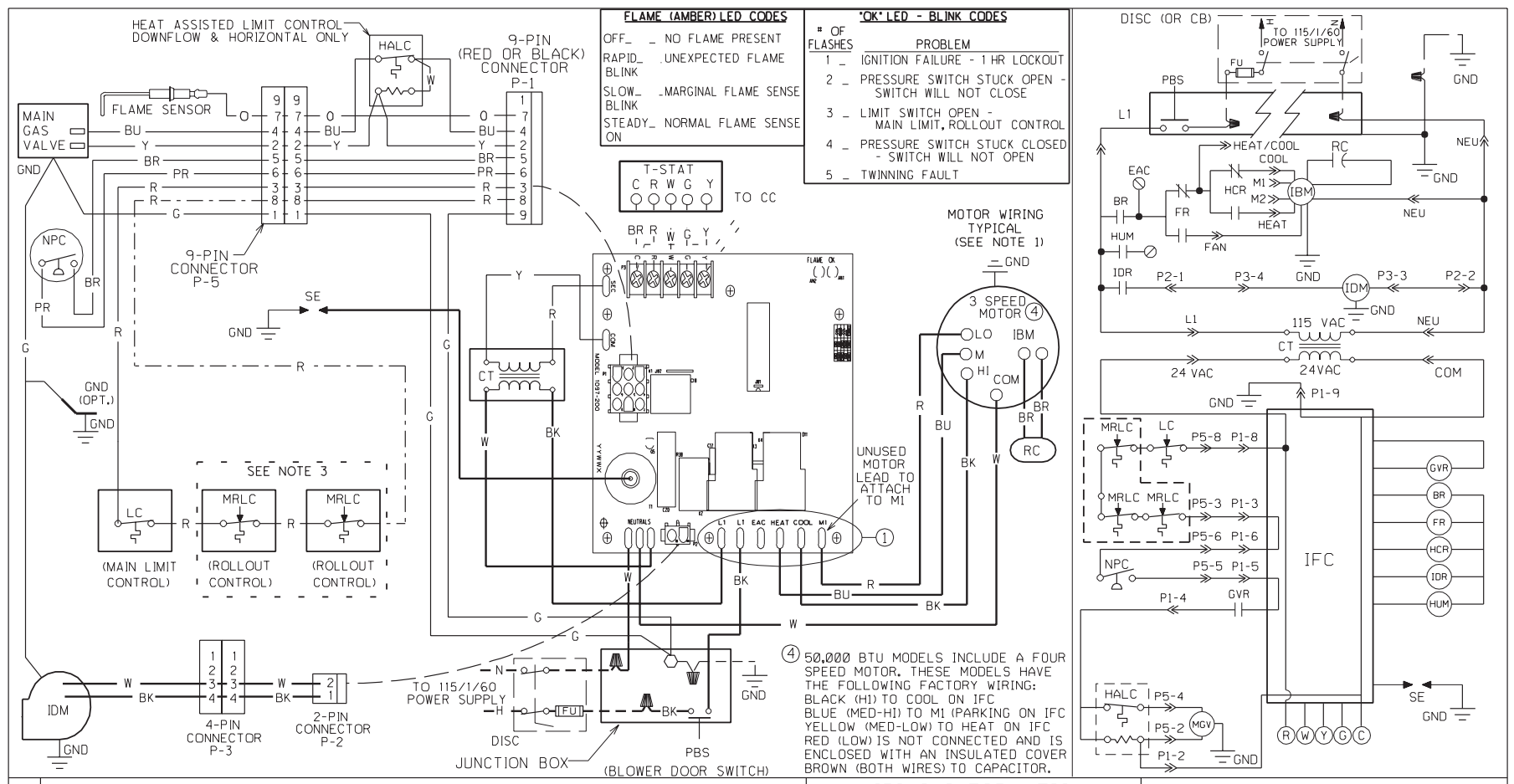

FLAME (AMBER) LED CODES

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

"OK" LED - BLINK CODES

# 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

COMPONENT CODE

ALC	AUX. LIMIT CONTROL (TEMP)	LC	LIMIT CONTROL
BR	BLOWER RELAY	MGV	MAIN GAS VALVE
CC	COMPRESSOR CONTACTOR	MRLC	MANUAL RESET LIMIT CONTROL
CT	CONTROL TRANSFORMER	NPC	NEGATIVE PRES. CONT'L
DISC	DISCONNECT SWITCH	PBS	PUSH BUTTON SWITCH
FR	FAN RELAY	PL	PLUG
FLMS	FLAME SENSOR	PGV	PILOT GAS VALVE
FU	FUSE	RC	RUN CAPACITOR
GND	GROUND	SE	SPARK IGNIT. ELECTRODE
GVR	GAS VALVE RELAY	TH	THERMOSTAT (H/C)
HALC	HEAT ASSISTED LIMIT CONTROL		WIRE NUT
HCR	HEAT/COOL RELAY		
HUM	HUMIDIFIER RELAY		
IBM	INDOOR BLOWER MOTOR		
IDM	INDUCED DRAFT MOTOR		
IDR	INDUCED DRAFT MOTOR RELAY		
IFC	INTEGRATED FURNACE CONTROL		

NOTES:

1. REFER TO SPEC. SHEET FOR ACTUAL FACTORY MOTOR TAP PLACEMENT OF "HEAT" & "COOL", AS SOME MODELS MAY BE DIFFERENT THAN SHOWN HERE. ALSO, REFER TO SPEC. SHEET OR INSTALLATION MANUAL IF FACTORY WIRING OF HEAT AND / OR COOL SPEED IS NOT DESIREABLE.
2. FOR MODELS WITH 3 SPEED BLOWERS, CONNECT UNUSED MOTOR LEAD TO M1 ON IFC. FOR MODELS WITH 4 SPEED BLOWERS, CONNECT 1 UNUSED MOTOR LEAD TO M1 ON THE IFC AND USE THE INSUL. COVER SUPPLIED TO COVER THE REMAINING BLWR. TAP
3. 50,000 BTU UPFLOW & DOWNFLOW MODELS HAVE ONLY 1 MRLC.

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. AND LOCAL CODES AS APPLICABLE.

WIRE COLOR CODE

BK__BLACK	O___ORANGE
BR__BROWN	PR__PURPLE
BU__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, SINGLE STAGE HEAT, SINGLE STAGE COOL, DIRECT SPARK IGNITION

DR. BY	APP. BY	DATE	DWG. NO.	REV
MGR		6-16-04	90-24209-06	03

DWG. NO. 90-24209-06 REV 03