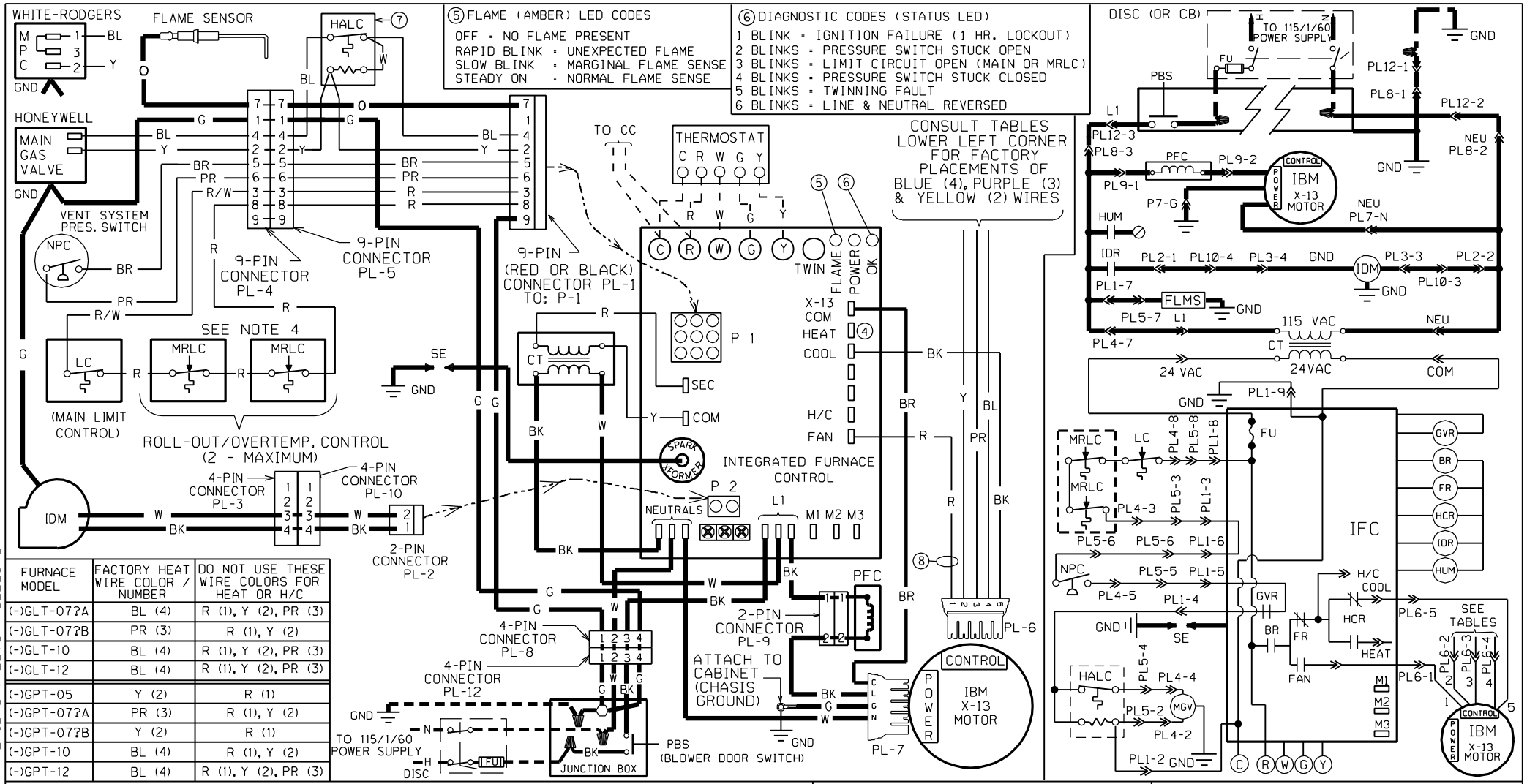


⑤ FLAME (AMBER) LED CODES

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

⑥ DIAGNOSTIC CODES (STATUS LED)

1 BLINK = IGNITION FAILURE (1 HR. LOCKOUT)
2 BLINKS = PRESSURE SWITCH STUCK OPEN
3 BLINKS = LIMIT CIRCUIT OPEN (MAIN OR MRLC)
4 BLINKS = PRESSURE SWITCH STUCK CLOSED
5 BLINKS = TWINNING FAULT
6 BLINKS = LINE & NEUTRAL REVERSED

FURNACE MODEL	FACTORY HEAT WIRE COLOR / NUMBER	DO NOT USE THESE WIRE COLORS FOR HEAT OR H/C
(-)GLT-07?A	BL (4)	R (1), Y (2), PR (3)
(-)GLT-07?B	PR (3)	R (1), Y (2)
(-)GLT-10	BL (4)	R (1), Y (2), PR (3)
(-)GLT-12	BL (4)	R (1), Y (2), PR (3)
(-)GPT-05	Y (2)	R (1)
(-)GPT-07?A	PR (3)	R (1), Y (2)
(-)GPT-07?B	Y (2)	R (1)
(-)GPT-10	BL (4)	R (1), Y (2)
(-)GPT-12	BL (4)	R (1), Y (2), PR (3)

COMPONENT CODE

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

NOTES:

1. IF FACTORY WIRING OF HEATING AND COOLING SPEEDS IS NOT DESIRABLE, REFER TO SPEC. SHEET FOR APPROPRIATE SPEEDS.
2. ALL UNUSED MOTOR TAPS ARE TO BE ATTACHED TO M1, M2 & M3
3. DOWNFLOW ONLY MODELS (1) MRLC(S)
4. ALWAYS VERIFY TEMPERATURE RISE RANGE IS WITHIN THE PUBLISHED RANGE DURING GAS HEAT OPERTION
5. & 6. SEE TOP OF DIAGRAM
7. HEAT ASSISTED LIMIT CONTROL FOR DOWNFLOW AND HORIZONTAL MODELS ONLY
8. DO NOT CONNECT RED WIRE (R) TO HEAT ON ANY FURNACE

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	GY__GRAY	R___RED
BR__BROWN	O___ORANGE	W___WHITE
BL__BLUE	PK__PINK	Y___YELLOW
G___GREEN	PR__PURPLE	

ELECTRICAL WIRING DIAGRAM

UPFLOW, DOWNFLOW & HORIZONTAL BLOWER INDUCED DRAFT, GAS FIRED, FORCED AIR FURNACE, SINGLE STAGE HEAT, SINGLE STAGE COOL, DIRECT SPARK IGNITION X-13 MAIN BLOWER MOTOR

DR. BY	APP. BY	DATE	DWG. NO.	REV
JIM		01-25-10	90-103499-01	01