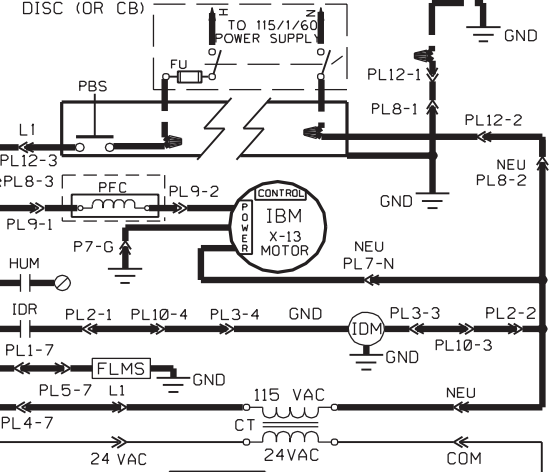


⑤ FLAME (AMBER) LED CODES
 OFF - NO FLAME PRESENT
 RAPID BLINK - UNEXPECTED FLAME
 SLOW BLINK - MARGINAL FLAME SENSE
 STEADY ON - NORMAL FLAME SENSE

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

CONSULT TABLES
 LOWER LEFT CORNER
 FOR FACTORY
 PLACEMENTS OF
 BLUE (4), PURPLE (3)
 & YELLOW (2) WIRES



FURNACE MODEL	FACTORY HEAT WIRE COLOR / NUMBER	DO NOT USE THESE WIRE COLORS FOR HEAT OR H/C
(-)GLT-072A	BL (4)	R (1), Y (2), PR (3)
(-)GLT-072B	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-072A	PR (3)	R (1), Y (2)
(-)GPT-072B	Y (2)	R (1)
(-)GPT-10	BL (4)	R (1), Y (2)
(-)GPT-12	BL (4)	R (1), Y (2), PR (3)

WIRING INFORMATION

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

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

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

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 OPERATION

⑤ & ⑥ SEE TOP OF DIAGRAM

⑦ HALC FOR DOWNFLOW AND HORIZONTAL MODELS ONLY

⑧ DO NOT CONNECT RED WIRE (R) TO HEAT ON ANY FURNACE

⑨ JUMPER USED IN PLACE OF PFC ON 1/2 H.P. MOTOR MODELS.

COMPONENT CODES

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 CHOKO
 PL PLUG
 PGV PILOT GAS VALVE
 RC RUN CAPACITOR
 SE SPARK IGNIT. ELECTRODE
 TH THERMOSTAT (H/C)
 ▲ WIRE NUT

WIRE COLOR CODE

BK.....BLACK G.....GREEN PR.....PURPLE
 BR.....BROWN GY.....GRAY R.....RED
 BL.....BLUE O.....ORANGE W.....WHITE
 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 X-13 MAIN BLOWER MOTOR

APPROVED: _____ CHECKED: _____ ORIGINAL RELEASE NO.: _____
 MODELED BY: TEW DATE: 5-14-14 G-1019S121
 PART NO.: 90-103499-01 REV: 03