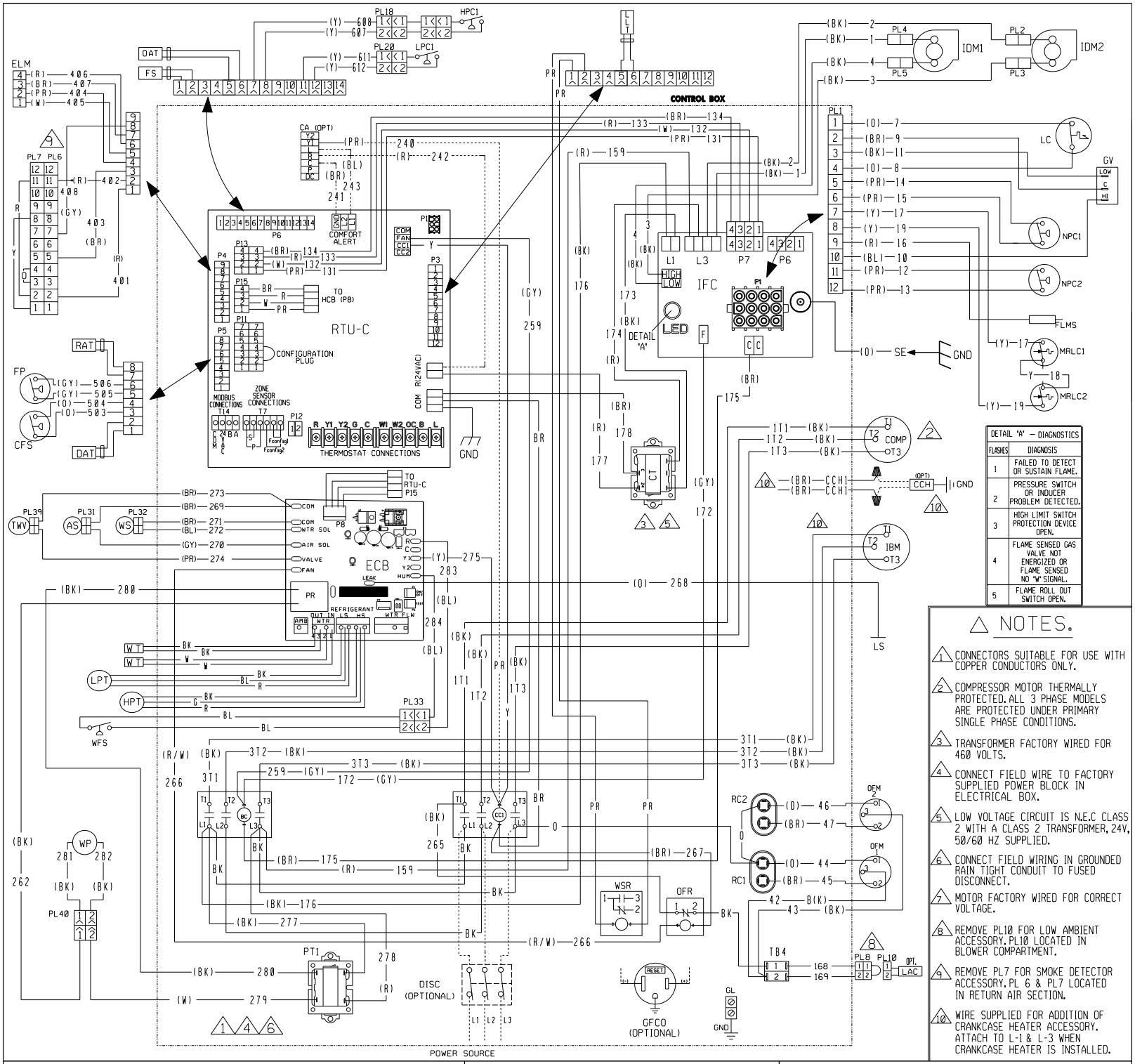


DETAIL "A" – DIAGNOSTICS

FLASHES	DIAGNOSIS
1	FAILED TO DETECT OR SUSTAIN FLAME.
2	PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
3	HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
4	FLAME SENSED GAS VALVE NOT ENERGIZED OR FLAME SENSED NO "W" SIGNAL.
5	FLAME ROLL OUT SWITCH OPEN.

NOTES.

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED. ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
3. TRANSFORMER FACTORY WIRED FOR 460 VOLTS.
4. CONNECT FIELD WIRE TO FACTORY SUPPLIED POWER BLOCK IN ELECTRICAL BOX.
5. LOW VOLTAGE CIRCUIT IS N.E.C CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V, 50/60 HZ SUPPLIED.
6. CONNECT FIELD WIRING IN GROUNDED RAIN TIGHT CONDUIT TO FUSED DISCONNECT.
7. MOTOR FACTORY WIRED FOR CORRECT VOLTAGE.
8. REMOVE PL10 FOR LOW AMBIENT ACCESSORY. PL10 LOCATED IN BLOWER COMPARTMENT.
9. REMOVE PL7 FOR SMOKE DETECTOR ACCESSORY. PL 6 & PL7 LOCATED IN RETURN AIR SECTION.
10. WIRE SUPPLIED FOR ADDITION OF CRANKCASE HEATER ACCESSORY. ATTACH TO L-1 & L-3 WHEN CRANKCASE HEATER IS INSTALLED.

COMPONENT CODE

AS	AIR SOLENOID	LAC	LOW AMBIENT COOLING CONTROL	WIRE NUT
BC	BLOWER CONTACTOR	LC	LIMIT CONTROL	
CA	COMFORT ALERT MODULE	LLT	LIQUID LINE TEMPERATURE	
CC	COMPRESSOR CONTACTOR	LPC	LOW PRESSURE CONTROL	
CCH	CRANKCASE HEATER	LPT	LOW PRESSURE TRANSDUCER	
CFS	CLOGGED FILTER SWITCH	LS	LEAK SENSOR	
COMP	COMPRESSOR	MRLC	MANUAL RESET LIMIT CONTROL	
CT	CONTROL TRANSFORMER	NPC	NEGATIVE PRESSURE CONTROL	
DAT	DISCHARGE AIR SENSOR	OAT	OUTSIDE AIR SENSOR	
DISC	DISCONNECT SWITCH	OFM	OUTDOOR FAN MOTOR	
ECB	eSYNC CONTROL BOARD	OFR	OUTDOOR FAN RELAY	
ELM	ECONOMIZER LOGIC MODULE	PL	PLUG	
FLMS	FLAME SENSOR	PR	PUMP RELAY	
FP	FAN PROVING	PT	POWER TRANSFORMER	
FS	FREEZE SENSOR	RAT	RETURN AIR SENSOR	
GFCO	GROUND FAULT CONVENIENCE OUTLET	RC	RUN CAPACITOR	
GL	GROUND LUG	RTU-C	ROOFTOP UNIT CONTROL	
GND	GROUND	SE	SPARK ELECTRODE	
GV	GAS VALVE	TB	TERMINAL BLOCK	
HPC	HIGH PRESSURE CONTROL	WFS	WATER FLOW SWITCH	
HPT	HIGH PRESSURE TRANSDUCER	WP	WATER PUMP	
IBM	INDOOR BLOWER MOTOR BELT DRIVE	WS	WATER SOLENOID	
IDM	INDUCED DRAFT MOTOR	WSR	WATER SHUTOFF RELAY	
IFC	INTEGRATED FURNACE CONTROL	WT	WATER TEMPERATURE SENSOR	

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
BL	BLUE	R	RED
G	GREEN	W	WHITE
GY	GRAY	Y	YELLOW

WIRING DIAGRAM

?KHL-C120D

460V 3 PH, 60 HZ.

ROOFTOP W/RTU-C

DR. BY	APP. BY	DATE	DWG. NO.	REV
MGR		1-14-11	90-103089-16	04