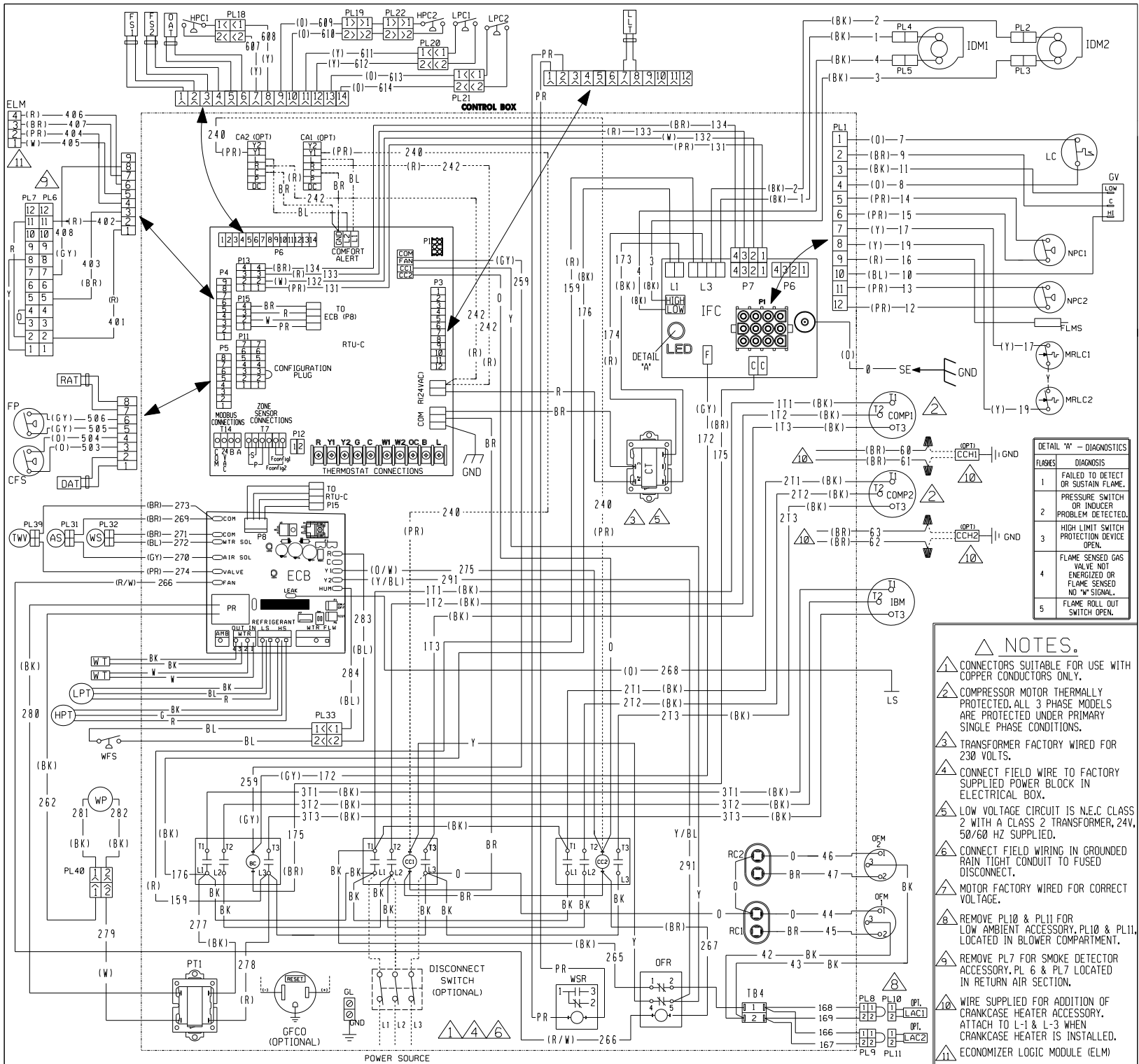


DETAIL "A" – DIAGNOSTICS	
FLASHES	DIAGNOSIS
1	FAILED TO DETECT OR SUSTAIN FLAME.
2	PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
3	HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
4	FLAME SENSED GAS VALVE NOT ENERGIZED OR FLAME SENSED NO "W" SIGNAL.
5	FLAME ROLL OUT SWITCH OPEN.

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 230 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 & PL11 FOR LOW AMBIENT ACCESSORY. PL10 & PL11, 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.
11. ECONOMIZER LOGIC MODULE (ELM)

COMPONENT CODE

AS	AIR SOLENOID	HPT	HIGH PRESSURE TRANSDUCER	RC	RUN CAPACITOR
BC	BLOWER CONTACTOR	IBM	INDOOR BLOWER MOTOR BELT DRIVE	RTU-C	ROOFTOP UNIT CONTROL
CA	COMFORT ALERT MODULE	IDM	INDUCED DRAFT MOTOR	SE	SPARK ELECTRODE
CC	COMPRESSOR CONTACTOR	IFC	INTEGRATED FURNACE CONTROL	TB	TERMINAL BLOCK
CCH	CRANKCASE HEATER	LAC	LOW AMBIENT COOLING CONTROL	TWV	THREE-WAY VALVE
CFS	CLOGGED FILTER SWITCH	LC	LIMIT CONTROL	WFS	WATER FLOW SWITCH
COMP	COMPRESSOR	LLT	LIQUID LINE TEMPERATURE	WP	WATER PUMP
CT	CONTROL TRANSFORMER	LPC	LOW PRESSURE CONTROL	WS	WATER SOLENOID
DAT	DISCHARGE AIR SENSOR	LPT	LOW PRESSURE TRANSDUCER	WSR	WATER SHUTOFF RELAY
DISC	DISCONNECT SWITCH	LS	LEAK SENSOR	WT	WATER TEMPERATURE SENSER
ECB	ESYNC CONTROL BOARD	MRLC	MANUAL RESET LIMIT CONTROL		WIRE NUT
FLMS	FLAME SENSOR	NPC	NEGATIVE PRESSURE CONTROL		
FP	FAN PROVING	OAT	OUTSIDE AIR SENSOR		
FS	FREEZE SENSOR	OFM	OUTDOOR FAN MOTOR		
GFCO	GROUND FAULT CONVENIENCE OUTLET	OFR	OUTDOOR FAN RELAY		
GL	GROUND LUG	PL	PLUG		
GND	GROUND	PR	PUMP RELAY		
GV	GAS VALVE	PT	POWER TRANSFORMER		
HPC	HIGH PRESSURE CONTROL	RAT	RETURN AIR 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-D120D

460V 3 PH, 60 HZ.

ROOFTOP W/RTU-C

DR. BY	APP. BY	DATE	DWG. NO.	REV
MGR		9-10-12	90-103089-35	02

REV. BOR 11-8-99 JHB