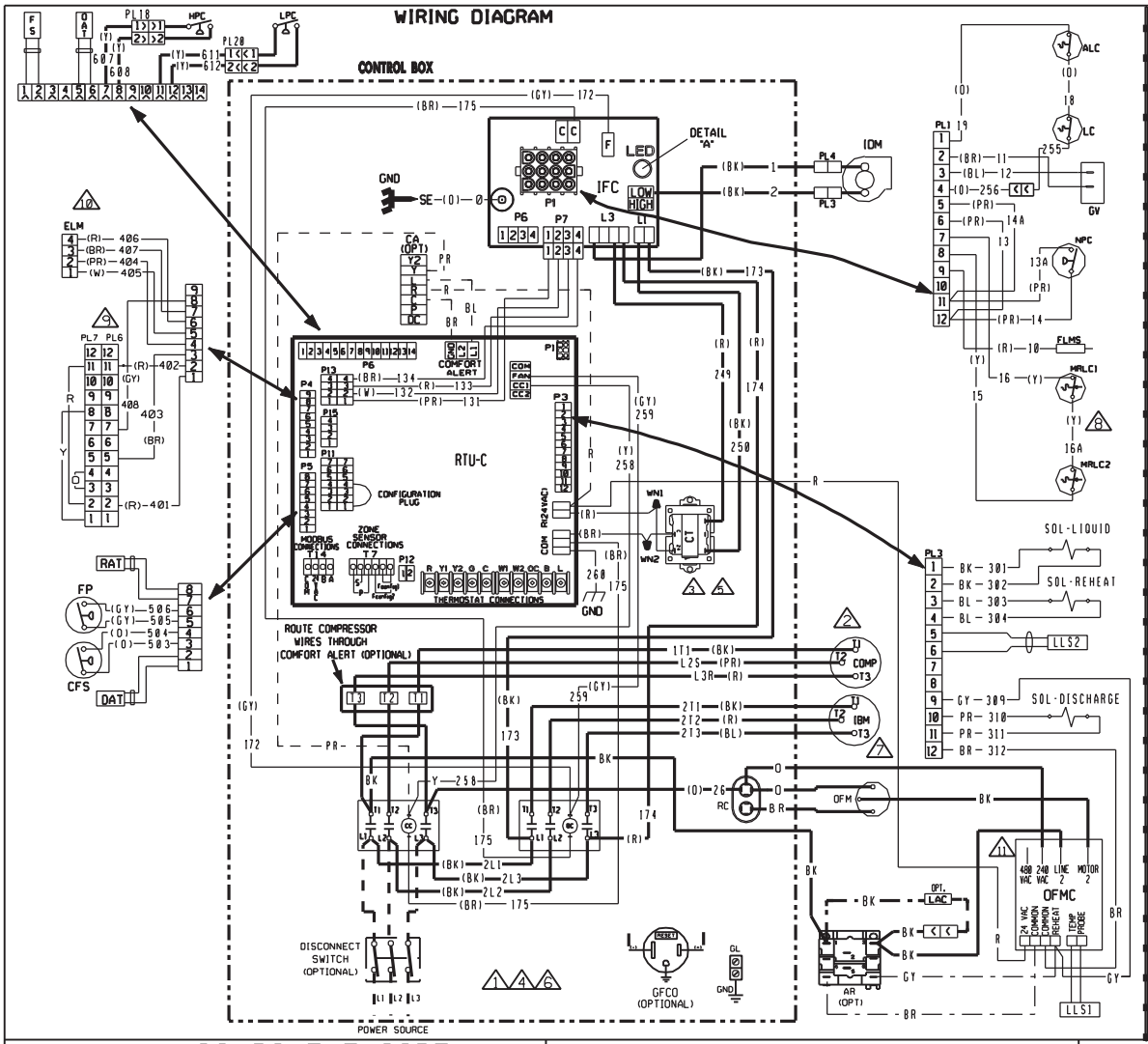
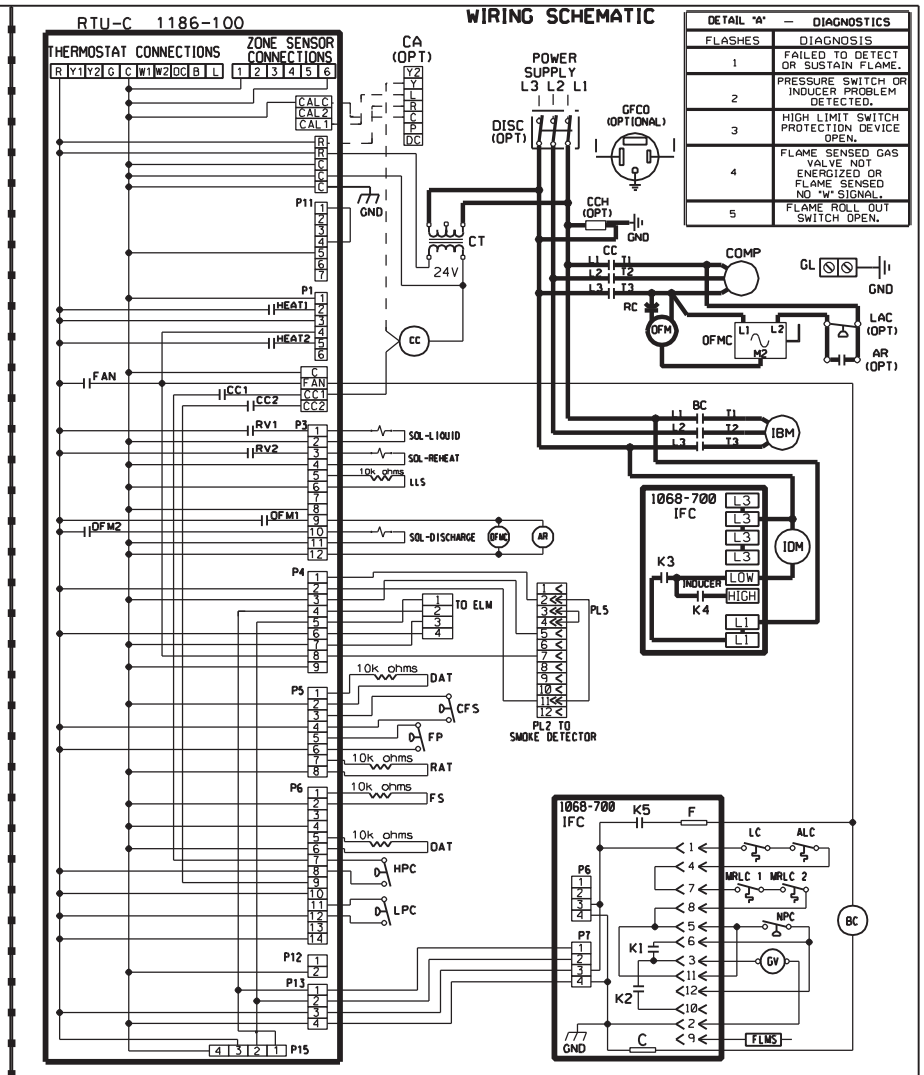




DETAIL "A" — DIAGNOSTICS	
FLASHES	DIAGNOSIS
1	FAILED TO DETECT OR SUSTAIN FLAME.
2	PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
3	HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
4	FLAME SENSED GAS VALVE NOT ENERGIZED OR FLAME SENSED NO "W" SIGNAL.
5	FLAME ROLL OUT SWITCH OPEN.

COMPONENT CODE

ALC	AUXILLIARY LIMIT CONTROL	IBM	INDOOR BLOWER MOTOR BELT DRIVE
AR	ACCESSORY RELAY	IDM	INDUCED DRAFT MOTOR
BC	BLOWER CONTACTOR	IFC	INTEGRATED FURNACE CONTROL
CA	COMFORT ALERT MODULE	LAC	LOW AMBIENT COOLING CONTROL
CC	COMPRESSOR CONTACTOR	LC	LIMIT CONTROL
CFS	CLOGGED FILTER SWITCH	LLS	LIQUID LINE SENSOR
COMP	COMPRESSOR	LPC	LOW PRESSURE CONTROL
CT	CONTROL TRANSFORMER	MRLC	MANUAL RESET LIMIT CONTROL
DAT	DISCHARGE AIR SENSOR	NPC	NEGATIVE PRESSURE CONTROL
DISC	DISCONNECT SWITCH	OAT	OUTSIDE AIR SENSOR
FLMS	FLAME SENSOR	OFM	OUTDOOR FAN MOTOR
FP	FAN PROVING	OFMC	OUTDOOR FAN MOTOR CONTROLLER
FS	FREEZE SENSOR	PL	PLUG
GFCO	GROUND FAULT CONVENIENCE OUTLET	RAT	RETURN AIR SENSOR
GL	GROUND LUG	RC	RUN CAPACITOR
GND	GROUND	RTU-C	ROOFTOP UNIT CONTROL
GV	GAS VALVE	SE	SPARK ELECTRODE
HPC	HIGH PRESSURE CONTROL	SOL	SOLENOID VALVE
		▲	WIRE NUT

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 CORRECT VOLTAGE - 230 VOLT SHOWN. FOR 208 VOLT OPERATION MOVE BLACK FROM 240 VOLT TAP TO 208 VOLT TAP.
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. ONLY ONE MRLC IS NEEDED ON THE 80,000 BTUH INPUT MODEL.
9. REMOVE PL7 FOR SMOKE DETECTOR ACCESSORY. PL 6 & PL7 LOCATED IN RETURN AIR SECTION.
10. ECONOMIZER LOGIC MODULE (ELM).
11. FOR 460 VOLT OPERATION, CONNECT TO 480 VOLT TAP.

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., NATIONAL WIRING REGULATIONS, 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

ELECTRICAL WIRING DIAGRAM

208-230/460V 3 PH, 60 HZ. ROOFTOP W/RTU-C + REHEAT 3 - 5 TON

DR. BY	APP. BY	DATE	DWG. NO.	REV
KDF		04-18-11	90-103089-19	07