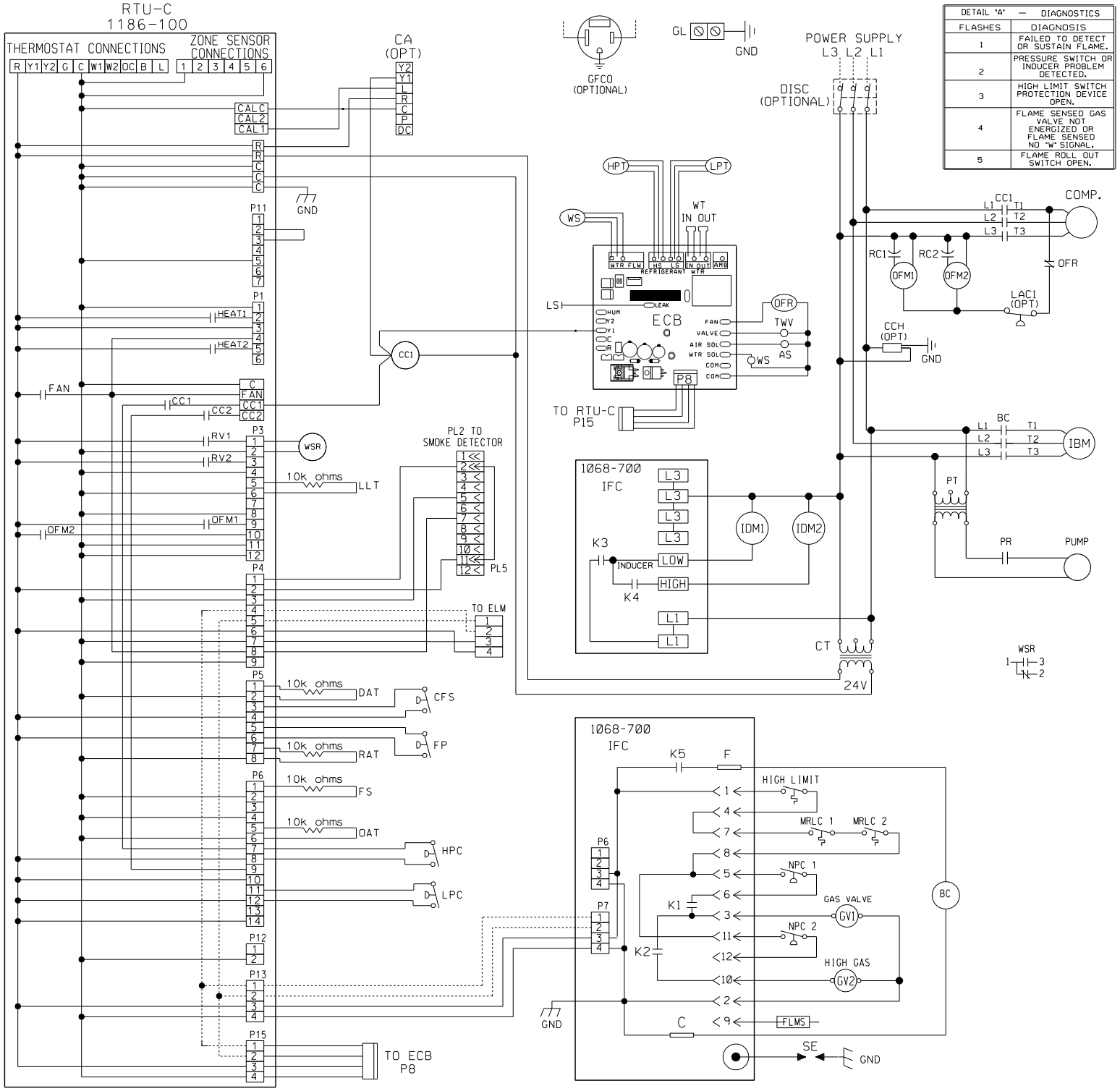



| DETAIL "A" — DIAGNOSTICS | |
|---|---|
| FLASHES | DIAGNOSIS |
| 1 | FAILED TO DETECT OR SUSTAIN FLAME. |
| 2 | PRESSURE SWITCH OR INDUCER PROBLEM DETECTED. |
| 3 | HIGH LIMIT SWITCH PROTECTION DEVICE OPEN. |
| 4 | FLAME SENSED GAS VALVE NOT ENERGIZED OR FLAME SENSED NO "W" SIGNAL. |
| 5 | FLAME ROLL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

## COMPONENT CODE

| | | | |
|---|---|---|---|
| AS | AIR SOLENOID | LAC | LOW AMBIENT COOLING CONTROL |
| 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 | WFT | WATER FLOW TRANSDUCER |
| 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 |

WIRE NUT

## 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 SCHEMATIC

## ?KHL-C120D

460V 3 PH, 60 HZ.

ROOFTOP W/RTU-C

| DR. BY | APP. BY | DATE | DWG. NO. | REV |
|---|---|---|---|---|
| MGR | | 1-28-11 | 90-103246-16 | Ø1 |