TITLE: AIR HANDLER II5-208-230/60/I ECM RESIDENTIAL

PCN: I4-0597 | DATE: II/I3/I4 | DRAWING NO: 96B0005N55 | REV: E

LEGEND

- FACTORY LOW VOLTAGE WIRING
- FACTORY LINE VOLTAGE WIRING
- FIELD LOW VOLTAGE WIRING
- FIELD LINE VOLTAGE WIRING
- PRINTED CIRCUIT TRACE
- OPTIONAL LOW VOLTAGE WIRING
- OPTIONAL LINE VOLTAGE WIRING
- OPTIONAL BOX

- RELAY / CONTACTOR COIL
- THERMISTOR
- CONDENSATE PAN
- GROUND
- * OPTIONAL
- WIRE NUT
- SPLICE CAP
- LED

- CIRCUIT BREAKER
- SOLENOID COIL
- RELAY CONTACTS - N.C.
- RELAY CONTACTS - N.O.
- CAPACITOR
- TEMPERATURE SWITCH
- LOW PRESSURE SWITCH
- HIGH PRESSURE SWITCH

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| AL | ALARM RELAY CONTACTS |
| BM | BLOWER MOTOR |
| CB | CIRCUIT BREAKER |
| CO | CONDENSATE OVERFLOW SENSOR |
| EH | ELECTRIC HEAT |
| ER | ELECTRIC HEAT RELAY |
| FP2 | AIR COIL LOW TEMPERATURE PROTECTION SENSOR |
| HE | HEATING ELEMENT |
| JW | JUMPER WIRE |
| PB | FIELD WIRING POWER BLOCK |
| TB | TERMINAL BLOCK |
| TRANS | TRANSFORMER |
| TS | THERMAL SWITCH |

NOTES:
1. Blower Motor thermally protected internally.
2. All wiring to the unit must comply with NEC and local codes.
3. 208/230V transformer will be connected for 230V operation. For 208V operation, disconnect ORG lead at T2, and attach RED lead to T2. Insulate open end of ORG lead. For 115 operation. disconnect ORG lead at T2, insulate open end of ORG lead. Connect WHT lead to T2.
4. Refer to TSTAT Installation, Application, and Operation Manual for Control Wiring to the unit. low voltage Wiring must be "CLASS 1" and voltage rated Equal or Greater Than Unit Supply Voltage.
5. For auxiliary staging options, consult electric heat installation manual.
6. For 115V applications, the following three changes must be made:
   A. WHITE will be neutral.
   B. Transformer power supply wire must be relocated from 230V terminal to 115V terminal.
   C. 115V jumper provided in control box. Must be plugged into 2 pin connector on ECM power supply harness.
7. UNIT IS FACTORY WIRED FOR POWER SUPPLY WITHOUT AUX. ELECTRIC HEATER KIT. IF INSTALLING ELECTRIC HEATER KIT, DISCONNECT AND DISCARD FACTORY WIRED 3-PIN FEMALE HARNESS AND CONNECT 3-PIN HARNESS FROM ELECTRIC HEATER KIT.
8. For ECM Blower Motor airflow adjustment and diagnostic information refer to unit IOM.
9. Transformer secondary ground via AXM board standoffs & screws to control box.

FOR 115V APPLICATIONS
(a): L2 will be used for Neutral.
(b): Transformer power supply wire must be relocated from 230V terminal to 115V terminal
(c): 115V jumper, provided in control box, Must be plugged into 2 Pin connector on ECM power supply harness

