

WIRING DIAGRAM

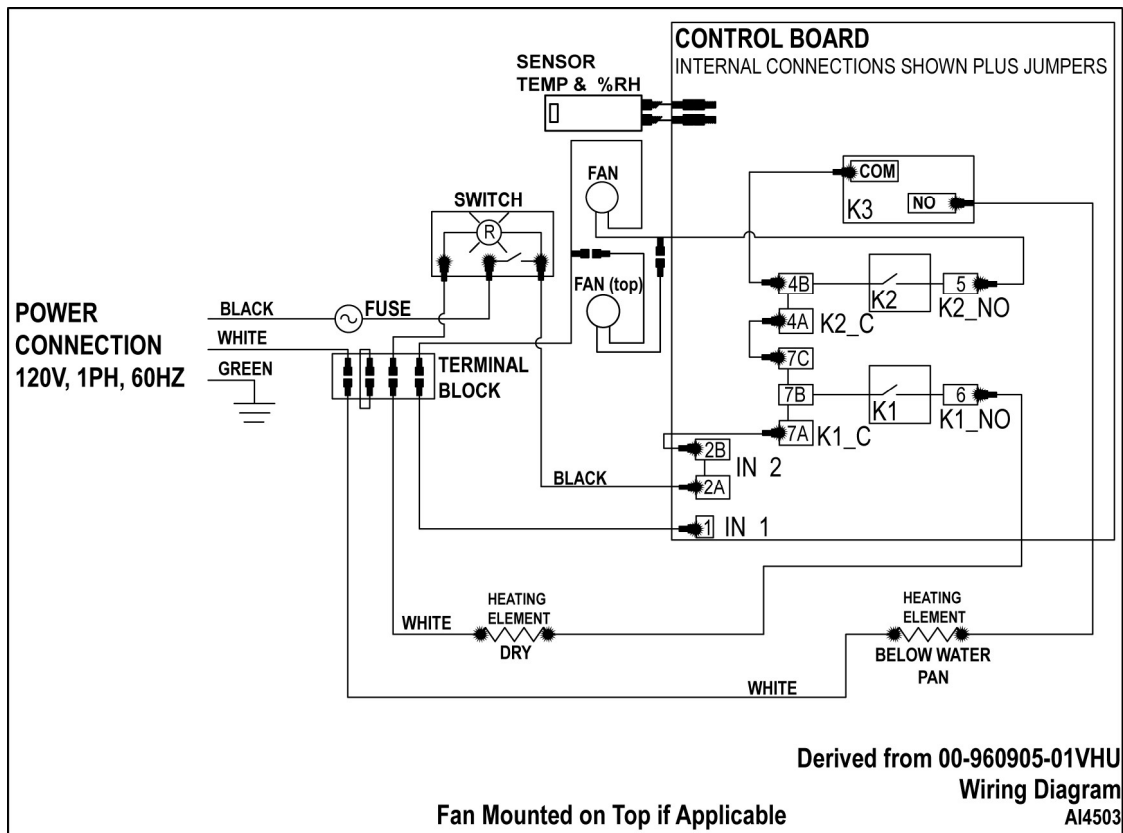


Fig. 31

SEQUENCE OF OPERATION

1. Conditions.
 - A. Unit connected to correct voltage and is properly grounded.
 - B. Power switch is off.
2. Power switch turned on.
 - A. Relays K1, K2 and K3 are de-energized (contacts N.O.).
 - B. Controller board performs diagnostic test and verifies temperature and humidity input signals are present.
 - C. If no errors codes display, the temperature and humidity settings flash in each display window.
3. Fan relay K2 is energized, K2 contacts close and power the fans.
4. Based on temperature and humidity settings, the board determines whether K1 relay will be energized to power element 1 (dry air); or K3 relay will be energized to power element 2 (humid air).

NOTE: When temperature or humidity settings are changed, after a brief pause, both element relays (K1 & K3) will be de-energized and return to N.O. position. Heating and humidity generation stop. The relay numbers will flash in each display window. Based on temperature and humidity level in cabinet vs. setting, the controller board determines which relay to energize. The number of the energized relay will flash in display window.

5. Adjust temperature and humidity to desired levels.
6. Turn power switch off stops heating cycle.