

**INSTALLATION INSTRUCTIONS**  
**CMA-25**  
**LOW AMBIENT FAN CYCLING CONTROL**  
**FOR USE WITH WA121 HI-BOY**  
**WALL MOUNT AIR CONDITIONERS**

**DESCRIPTION**

The CMA-25 is a field installable low ambient fan cycling control. The CMA-25 consists of:

1. Installation Instructions 7960-448
2. Low Ambient Fan Cycling Control (LAC) 1804-0251
3. Terminal Block 8607-016
4. Label 7961-312-0118

**INSTALLATION INSTRUCTIONS**

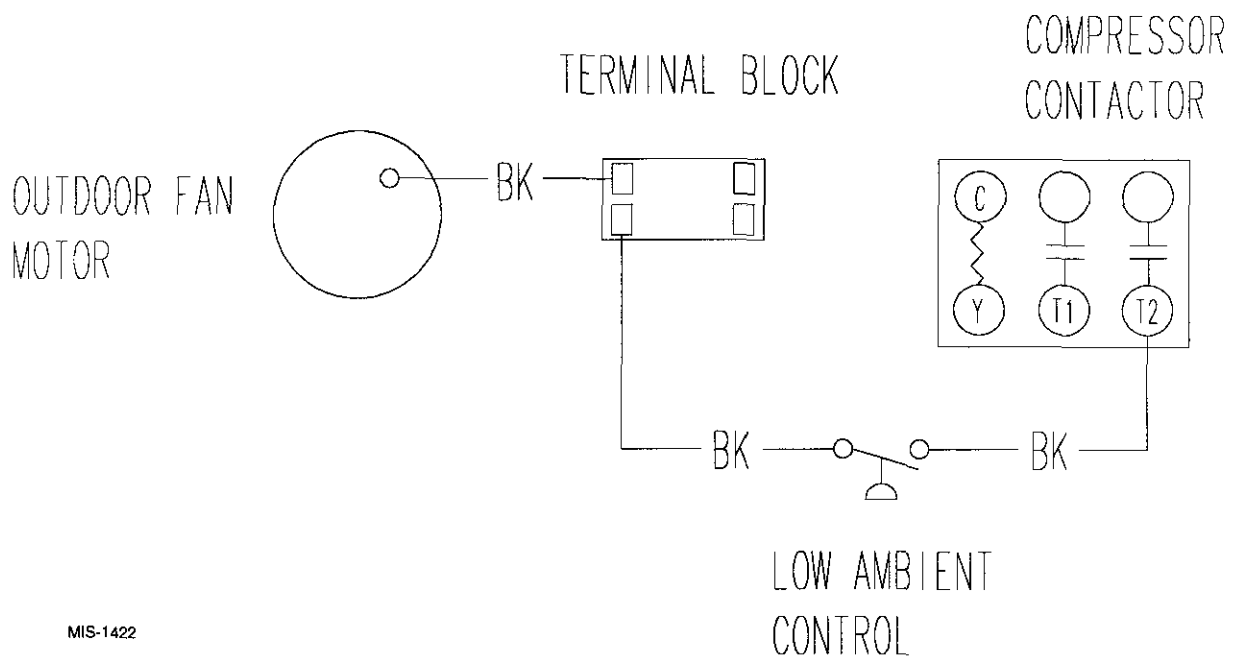
Disconnect all power to unit. Remove control panel inner and outer covers and the door to blower compartment. Circled numbers on Figure 2 correspond to installation instruction steps. Dashed lines indicate that a wire has been disconnected from this terminal and reconnected to another terminal.

- Step 1. Mount terminal block in position shown in Figure 2, Step 1.
- Step 2. Disconnect black high voltage outdoor motor lead from compressor contactor and reconnect to terminal block. Route wires through wire holder as shown in Figure 2, Step 2.
- Step 3. Route low ambient control wires through the bushing in the side of the control panel. Route the wires through the wire holders in the control panel as shown in Figure 2. Connect the low ambient control wires between the terminal block and T2 of the compressor contactor. See Figure 2, Step 3.
- Step 4. Remove service port cap on liquid line. Install the low ambient control on the liquid line with the flare tee adapter that is brazed to the low ambient control. Check for pressure at the flare tee dill valve after installation to insure that the dill valve in the unit service port was depressed by the flare tee connector. Check for leaks at the flare tee connectors. Replace service port cap on the flare tee service port and tighten. The service port on the liquid line is located on the right hand side of blower compartment.
- Step 5. Recheck wiring. See Figure 1. Check for proper operation of the unit by energizing in cooling mode. The condenser fan motor should not run until the discharge pressure has exceeded 185 PSI. Should the discharge pressure fall below 135 PSI while running, the condenser fan motor will de-energize until the head pressure builds to 185 PSI.

Step 6. Apply *"This unit equipped with CMA-25 control module"* label to the inside of the control panel cover above the wiring diagrams.

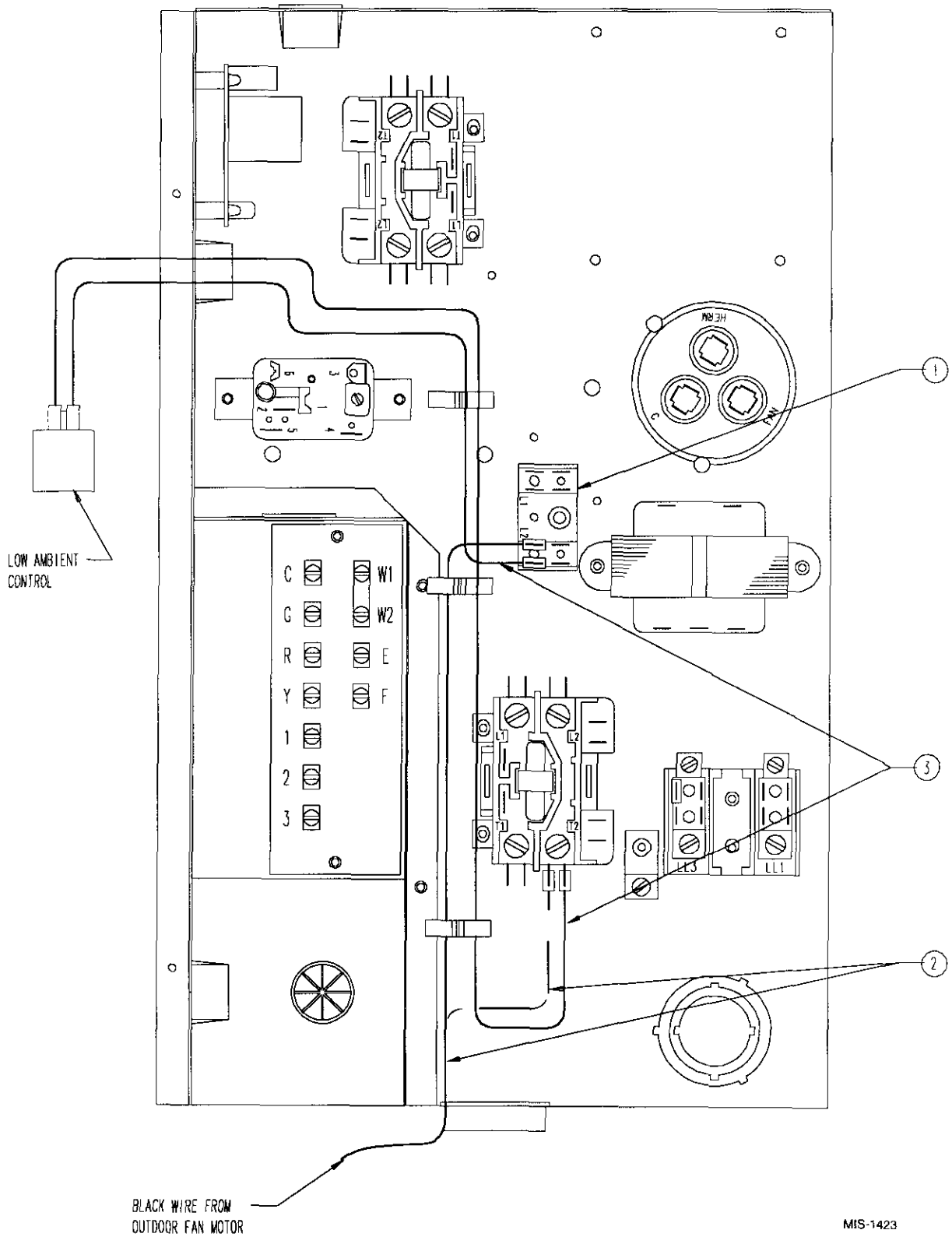
Step 7. Replace all panels and covers. This completes installation.

**FIGURE 1**



MIS-1422

**FIGURE 2**



MIS-1423