Fan/Filter Status Switch Accessory
Single Package Rooftop Units
15 to 25 Ton

Installation Instructions

Part No. CRSTATUS005A00

PACKAGE CONTENTS

PART NUMBER	QTY	DESCRIPTION
48HG503699	1	Bracket
HK06WC039	1	Switch, Pressure Differential
AL56AU166	4	Screw, 8-18 x 1/2 LG
48HG500597	1	Tube, Control
AL48AM217	2	Screw, 10AB x 5/8 LG
HK06WC027	1	Switch, Pressure
EV83XZ150	1	Air Flow Tube
50HJ500288	2	Tube, Control
99MK0073XC220018	1	Wire Assembly
99MH0073XC220018	1	Wire Assembly
99MB0084XC216018	1	Wire Assembly
99MG0084XC216018	1	Wire Assembly
HY76TB125	4	Wire Tie

SAFETY CONSIDERATIONS

Installation of this accessory can be hazardous due to system pressures, electrical components, and equipment location (such as a roof or elevated structure). Only trained, qualified installers and service technicians should install, start-up, and service this equipment.

When installing this accessory, observe precautions in the literature, labels attached to the equipment, and any other safety precautions that apply:

- Follow all safety codes
- Wear safety glasses and work gloves
- Use care in handling and installing this accessory

It is important to recognize safety information. This is the safety-alert symbol: ⚠. When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, CAUTION, and NOTE. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices, which **may** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

INSTALLATION

Fan Status Switch

NOTE: The fan status switch can be installed to monitor indoor fan status (ON/OFF). The filter status switch can be used to indicate when filter is dirty by providing a set of dry contacts that can be monitored. Follow the procedures below and perform the steps necessary to install the fan status switch.

1. Turn off power to the unit.
2. Open the blower access door on the unit.
3. Mount the switch (HK06WC027) on the fan housing in the fan section as shown in Fig. 1, using the #10 screws provided.

   NOTE: To ensure proper operation of the switch, the switch must be installed vertically as shown.
4. Mount the pick-up tube to the fan housing using the #8 screws provided.

   NOTE: The arrow of the pick-up tube should point down as shown in Fig. 1.
5. Connect the control tube to the higher-pressure port (marked "+") of the pick-up tube installed in Step 4.
6. Route wires for the switch from low voltage section to status switch. Connect the gray wire to the "COM" side of the switch. Connect the black wire to the "NO." (See Fig. 2.) The other end can be tied into building controls for monitoring.
7. Proceed to filter status installation.

Filter Status Switch

1. Ensure that power is off.
2. Mount the switch (HK06WC0039) on the fan bracket and screw assembly into coil tube sheet as shown in Fig. 1, using the #10 screws provided.

   NOTE: To ensure proper operation of the switch, the switch must be installed vertically as shown.
3. Insert tube over barbed port (+) and route the other end through hole in the sheet metal bracket as shown in Fig. 1.
4. Locate wires (orange and brown). Route wires from low voltage section to switch. Connect brown to "COM" and the orange to "NO." The other end can be tied into building controls for monitoring. (See Fig. 2.)
5. Restore power to unit.

SETUP

Each switch will need to be adjusted for job site conditions. Turning adjustment screw clockwise will increase set point.

Fan Status

Using an ohm meter to monitor switch status, start from highest setting and decrease until switch makes. Decrease beyond this point to ensure switch makes when fan starts.

Filter Status

Using an ohm meter connect leads to brown and orange wires to monitor switch state. Increase adjustment until switch is made with clean filters. Increase it above this point to compensate for dirt build up.

NOTE: Return all panels and restore power to unit once controls have been wired.

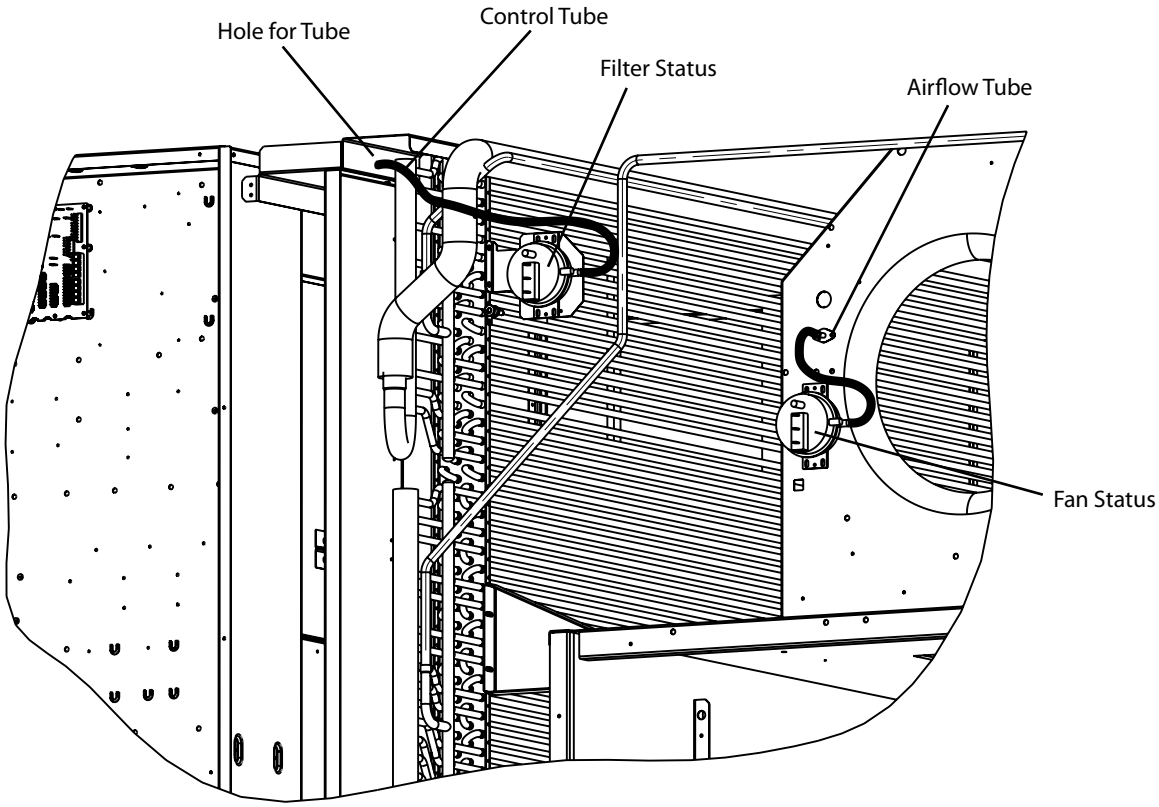

Fig. 1 — Fan/Filter Status Switch

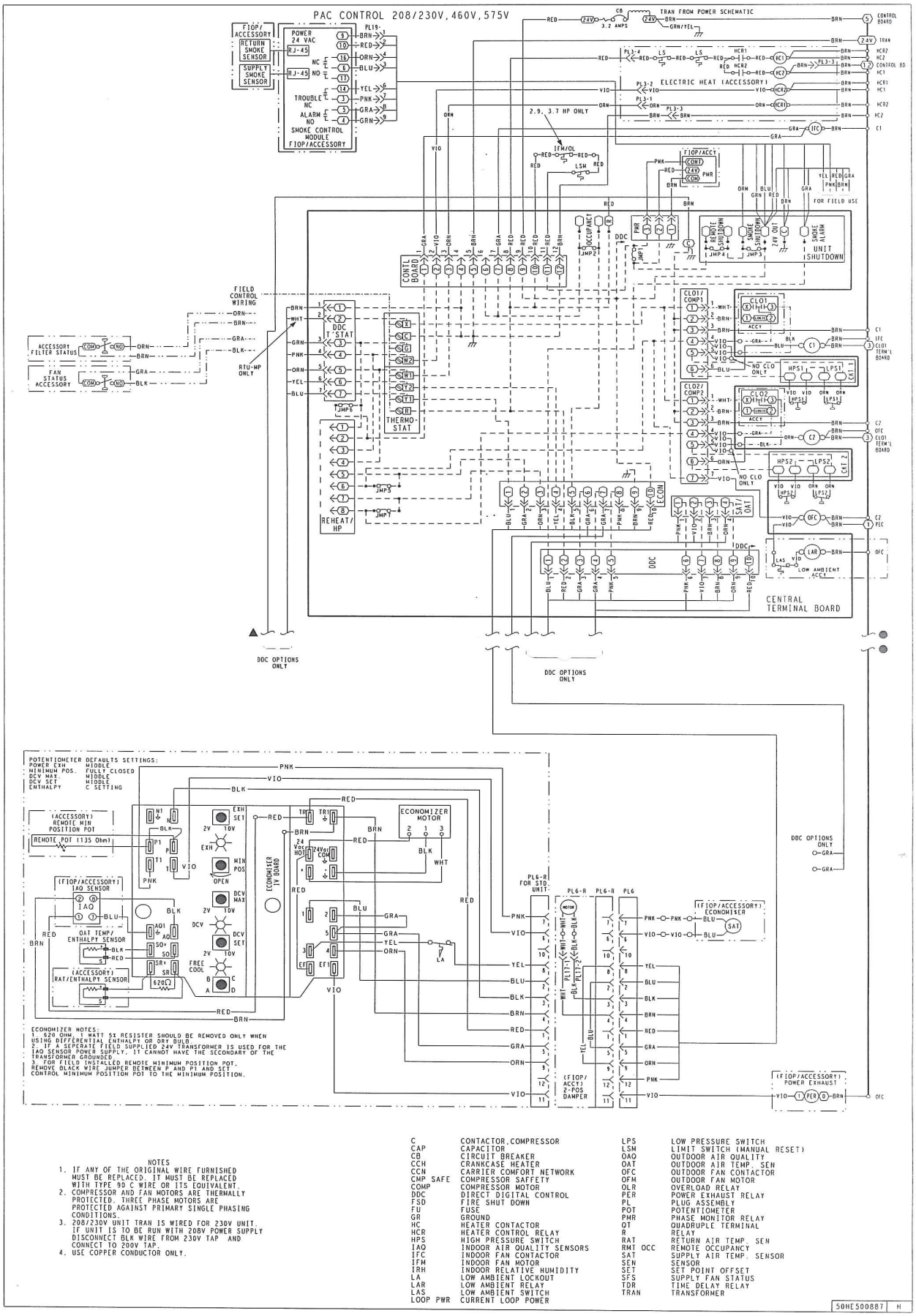

Fig. 2 — Wiring Diagram

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