

Small Rooftop Units Gas Heating/Electric Cooling and Electric Cooling Units 3 to 12½ Tons (50/60 Hz) Accessory Fan/Filter Status Switch

Cancels: New

IHK 548-36-14
9/1/94

Installation and Operating Instructions

Part Number CRSTATUS001A00

PACKAGE USAGE AND CONTENTS

PART NUMBER	QUANTITY	ITEM
LF32GF097	1	Plastic Cap
AL48AM217	2	Screws
50HJ500288	1	Control Tube (16 in.)
50HJ500301	1	Control Tube (32 in.)
HK06WC027	1	Pressure Switch

IMPORTANT: Read these instructions completely before attempting to install the accessory fan/filter status switch.

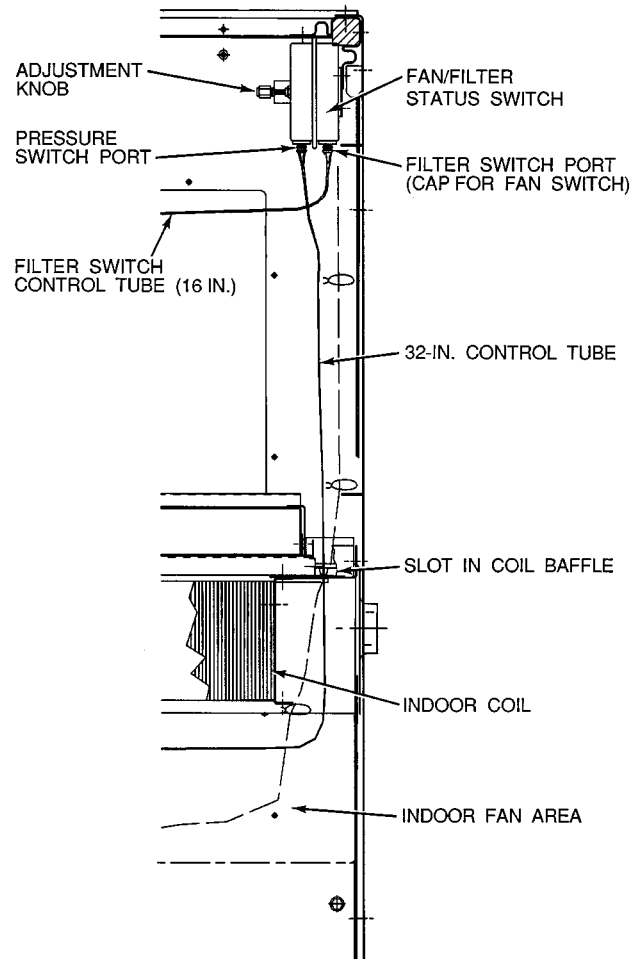
INSTALLATION

NOTE: The fan/filter status switch can be installed to monitor indoor fan status (ON/OFF) or filter status (CLEAN/DIRTY). Follow the procedure below and perform the steps necessary to install the pressure switch for the desired application (as either a fan status switch or a filter status switch, but not both).

⚠ WARNING

Turn off unit power. Electrical shock and personal injury could result.

1. Remove the filter access door. No tools are required. Save door.
2. Remove the pressure switch assembly from the carton. Attach the 32-in. plastic control tube to the pressure switch on the port nearest to the electrical connections. See Fig. 1.
3. Filter Switch
Attach the 16-in. plastic control tube to the pressure switch on the port nearest to the mounting bracket. See Fig. 1.
Fan Switch
Attach the plastic cap to the pressure switch on the port nearest to the mounting bracket. See Fig. 1.
4. Attach the pressure switch assembly to the uppermost portion of the inner flange of the corner post with 2 screws provided. See Fig. 1.
5. Route the 32-in. control tube through the slot in the coil baffle next to the harness assembly. The end should be loose in the indoor fan area. See Fig. 1.



**Fig. 1 — Fan/Filter Status Switch Installation
(Top View of Typical Rooftop Unit Shown)**

6. Filter Switch
Suspend the 16-in. tube over the return air opening. See Fig. 1.
7. Connect the 2 gray wires routed with the economizer wiring harness assembly to the terminals on the pressure switch. See Fig. 2.

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

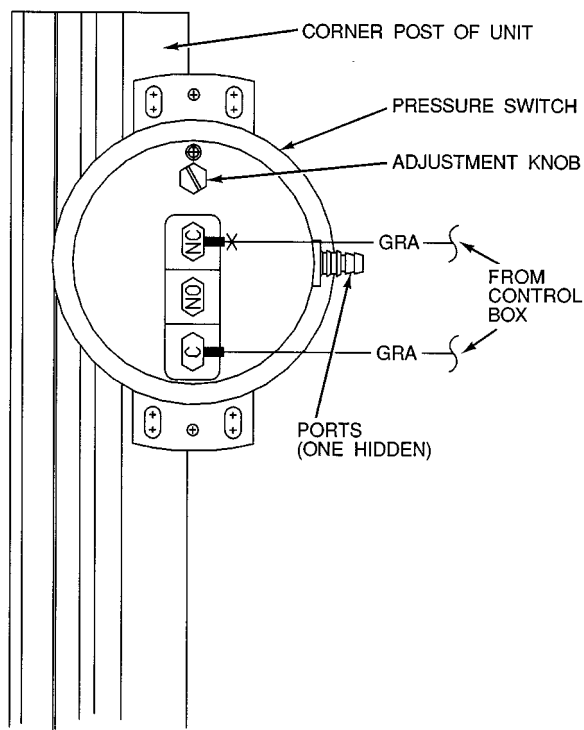


Fig. 2 — Mounting Fan/Filter Status Switch

8. If direct digital control is NOT being used on the unit, connect the 2 gray wires in the low voltage compartment of the control box to the digital indicator wires coming from the thermostat.

9. Filter Switch

If direct digital control is used on the unit, connect the 2 gray wires in the low voltage compartment of the control box to the 10 and 11 pins of the direct digital control.

Fan Switch

If direct digital control is used on the unit, connect the 2 gray wires in the low voltage compartment of the control box to the 8 and 9 pins of the direct digital control.

10. Return power to unit.

11. To configure switch, perform the following:

Filter switch

Place the unit in Fan Only mode. The unit return air filter should be clean or new. Using a flat head screwdriver, rotate the adjustment knob until the pressure switch closes (see Fig. 1). Rotate the adjustment knob in the same direction another 1/4 turn.

Fan Switch

Rotate the adjustment knob two full turns.

12. Reinstall filter access panel from Step 1.

OPERATION

When the pressure switch is set up as a filter switch, the digital indicator light on the thermostat will be lit when the filter is dirty and needs to be replaced. If direct digital controls are used, the filter status (CLEAN/DIRTY) will be sent over the communication bus.

When the pressure switch is set up as a fan switch, the digital indicator light on the thermostat will be lit when the indoor fan is operating. If the indoor fan is being told to operate by the thermostat and the indicator light is not lit, service the unit immediately. If direct digital controls are used, the indoor fan operation status (ON/OFF) will be sent over the communication bus.