



INSTALLATION INSTRUCTIONS FOR FAN KIT FK1 (PART NO. 96K13) AND FK2 (PART NO. 96K14)

⚠ WARNING

These kits are to be installed by a qualified service technician or other qualified agency in accordance with the manufacturer's instructions. In addition, in Canada, all electronic wiring and grounding for the unit must be in accordance with the current regulations of the Canadian Electrical Code Part I (C.S.A. Standard C22-1) and/or local codes; in the United States, all electrical wiring and grounding for the unit must be done in accordance with the National Electrical Code, ANSI/NFPA No. 70. The qualified agency performing this work assumes responsibility for this installation.

Shipping and Packing list

Package 1 of 1 contains:

- 1 - Circulating fan assembly
- 1 - Temperature sensor assembly (FK2 Kit only)
- 1 - Fan speed control switch (FK2 Kit only)
- 2 - Fan air baffle - left/right (Merit direct vent series and Elite 35)
- 2 - Fan air baffle - left/right (Elite 40/45)
- 2 - Self-drilling self-tapping screws

Shipping Damage

Check all components for shipping damage. If any damage is found, immediately contact the last carrier.

Application

These fan kits provide optional forced air heating when used with the gas fireplaces listed in table 1. The FK1 fan kit is used when manual ON/OFF fan control is desired, and the FK2 fan kit when automatic ON/OFF and variable speed fan control is desired. The fan is installed beneath the firebox. Room air is drawn in through the bottom area of the fireplace, heated as it passes across the firebox, and discharged through the upper panel/louver area at the top of the fireplace.

TABLE 1
FAN KIT - UNIT APPLICATION

Usage	FK1 Kit 96K13	FK2 Kit 96K14
Merit™ Direct Vent	yes	yes
Merit™ B-Vent	yes	----
Elite™ Front-Open Direct Vent	yes	yes
Elite™ Multi-Open Direct Vent	yes	yes
Elite™ Multi-Open B-Vent	----	----

Installation

- 1 - Following the procedures entitled "TO TURN OFF GAS TO APPLIANCE" as indicated on the literature plate of the unit and in the installation instructions provided with the unit, turn gas valve knob to "OFF" position.
The gas supply to the unit must also be shut off and electrical power must be disconnected before proceeding with this installation.
- 2 - Remove the bottom hinged-panel (in flush-faced model applications) or the louvers (in louvered-face model applications) as follows: open the panel/louvers, loosen the screw at each end of the panel/louvers, retain the end spacers, and then pull the panel or the louvers from the unit.
- 3 - **Elite direct vent units -**
Remove the control panel securing screws. Remove the control panel carefully, so that none of the wires become loose or disconnected.
- 4 - **Front-open direct vent units -**
Select the two short (11-5/8 in. [295 mm] long) air baffles in Merit direct vent and Elite 35 fireplace applications, or the two long (14-3/8 in. [365mm] long) air baffles in Elite 40/45 fireplace applications.
Hang the left air baffle (the right end of it) from the existing protruding cabinet screw as indicated in figure 1. Swing the left end so that it is flush with the underside of the fire box floor, and secure with the kit-provided SDST screw. Repeat this procedure for the installation of the right air baffle.
Discard the unused baffles.

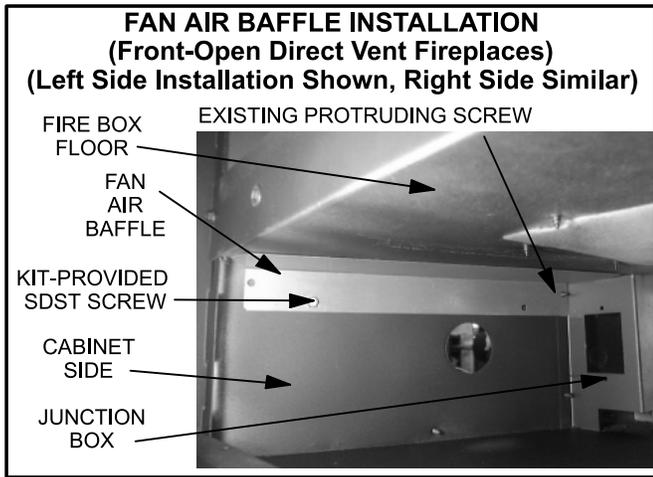


FIGURE 1

5 - Front-open units -

Slide the fan assembly through the front opening to the middle rear area of the cabinet base. Position the fan assembly so that the tabs (located on the cabinet base) are seated in the notches of the fan bracket. Then bend the tabs over to secure the fan assembly. See figures 2 and 3.

Multi-open direct vent units -

Open all remaining bottom hinged-panels. Slide the fan assembly through the closest opening to the flue side of the cabinet base. Position the fan assembly so that the tabs (located on the cabinet base) are seated in the notches of the fan bracket. Bend the tabs over to secure the fan assembly. See figure 4 or 5.

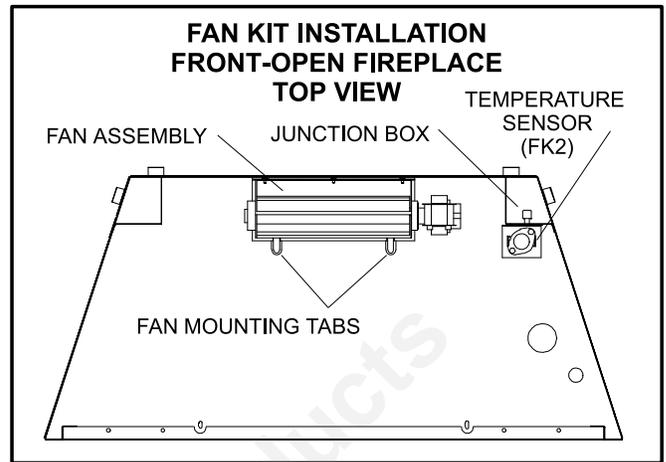


FIGURE 3

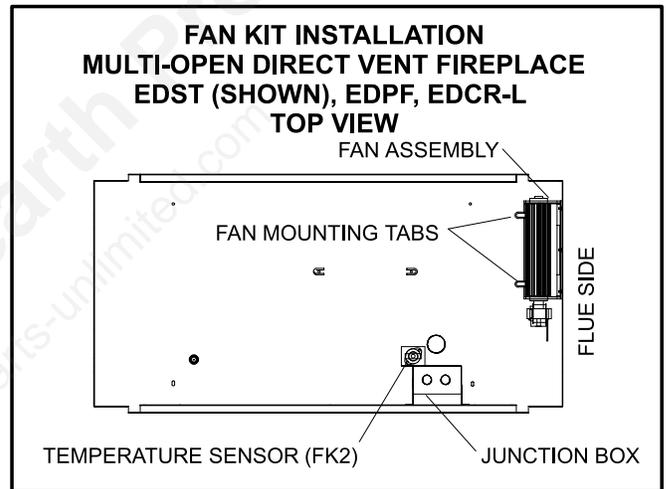


FIGURE 4

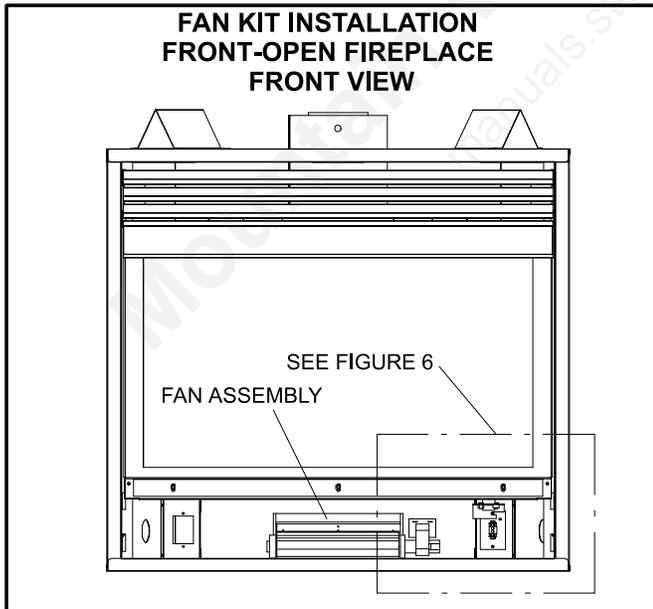


FIGURE 2

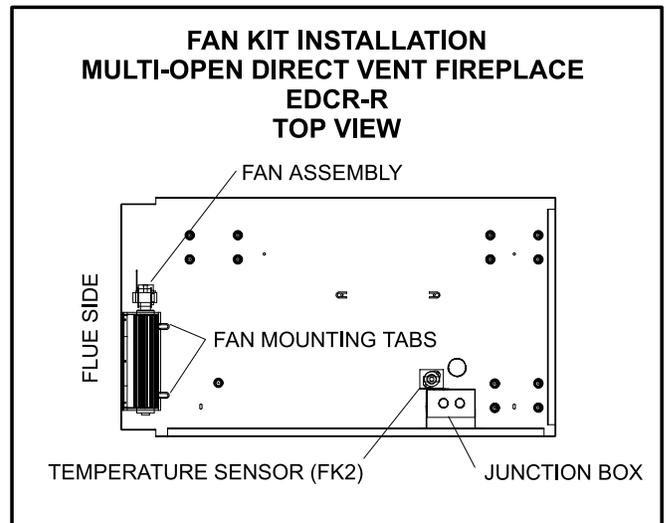


FIGURE 5

6 - FK2 Kit applications -

Front-open direct vent units -

Loosen the screw on the top of the junction box. Position the temperature sensor on the junction box and retighten the screw. Refer to figure 6.

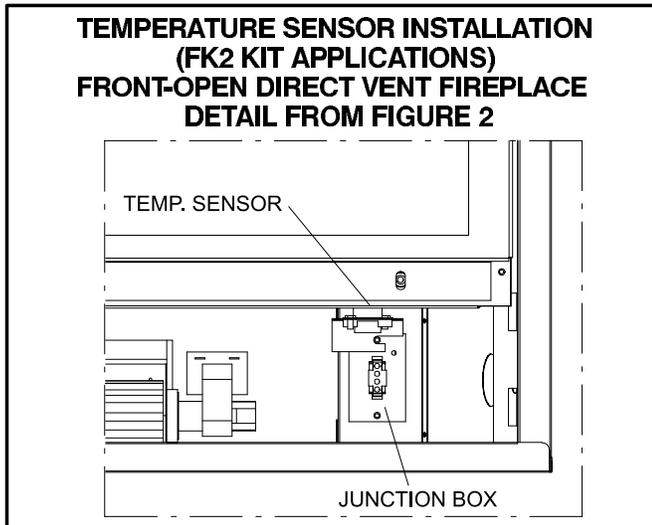


FIGURE 6

Multi-open direct vent units -

Remove the screw from the junction box as shown in figure 7. Slide the temperature sensor assembly into the junction box slot. Reinstall the screw and adjust the position of the temperature sensor until it touches the bottom of the fire box. Tighten the screw.

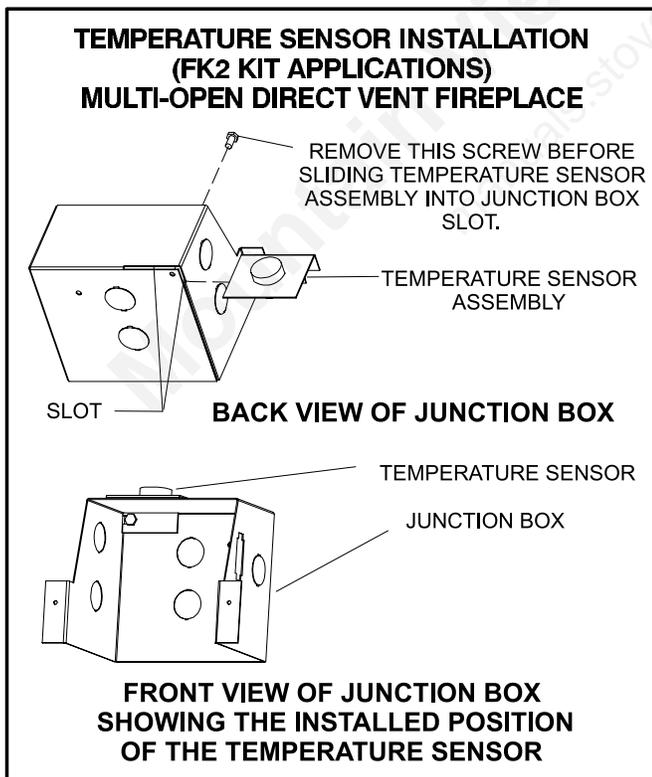


FIGURE 7

7 - Wire the fan assembly to the junction box connector in FK1 kit applications as shown in Figure 8, or to the temperature sensor and junction box connector in FK2 kit applications as shown in Figures 9, 10, or 11. Note - In multi-open corner right (EDCR-R) unit applications, three extra-long wires are supplied with the fireplace, one white wire and two black wires. Only one of the black wires is required for the installation of either fan kit. Use the black wire with the pin terminal in FK1 kit installations and the black wire with spade terminal for FK2. Use the white wire in both FK1 and FK2 kit installations.

8 - FK1 Kit applications-

Connect the 120 volt power supply wiring to the field-provided fan on/off switch, and to the junction box connector wiring as shown in figure 8. Figure 8 shows the wiring of a wall-mounted fan switch; unit-mounted switch wiring similar.

FK2 Kit applications -

In Elite direct vent unit applications, the speed control switch may be installed either on the control panel or on an adjacent wall. In Merit direct vent unit applications, the speed control switch may only be installed on an adjacent wall.

a - Wall-mounted speed control switch -

Connect the 120 volt power supply wiring to the speed control switch, and to the junction box connector wiring as shown in figure 10.

b - Modesty panel mounted speed control switch -

Connect the 120 volt power supply wiring to the speed control switch and junction box connector wiring as shown in figure 9 for Elite Multi-open direct vent units, and figure 11 for Elite Front-open direct vent units.

9 - In Elite direct vent unit applications -

Carefully reinstall the control panel. Make sure that all wire connections are tight and secure.

10 - Reinstall the bottom hinged-panel (in flush-faced model applications) or the louvers (in louvered-face model applications). In Elite direct vent unit applications, check that the end spacers have been properly installed.

11 - Restore the electrical power to unit.

12 - Turn on the gas supply to the unit.

13 - Start the fireplace, by following the procedures as indicated in the start-up section of the fireplace installation instructions.

14 - Check the start up and shutdown, and the running operation of the fan. In FK2 kit applications check for proper automatic start up and shutdown, and variable speed operation of the fan.

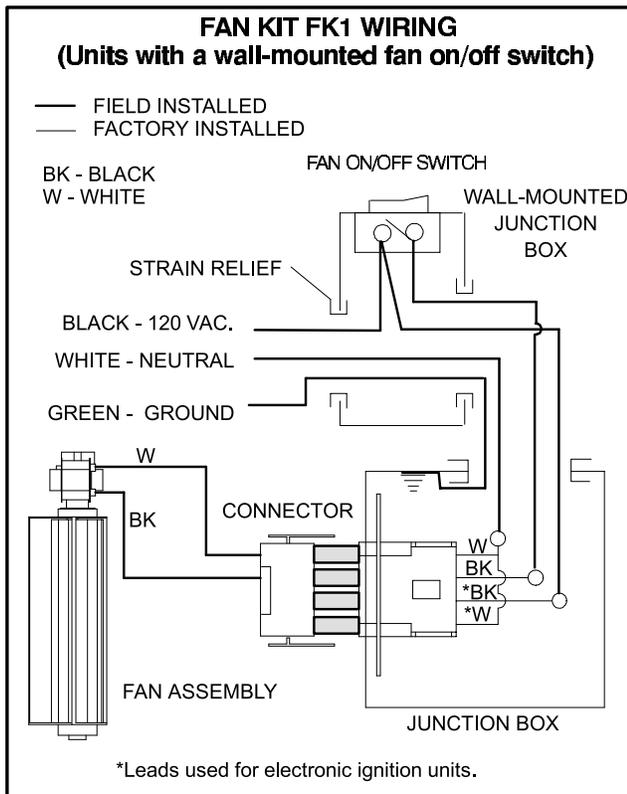


FIGURE 8

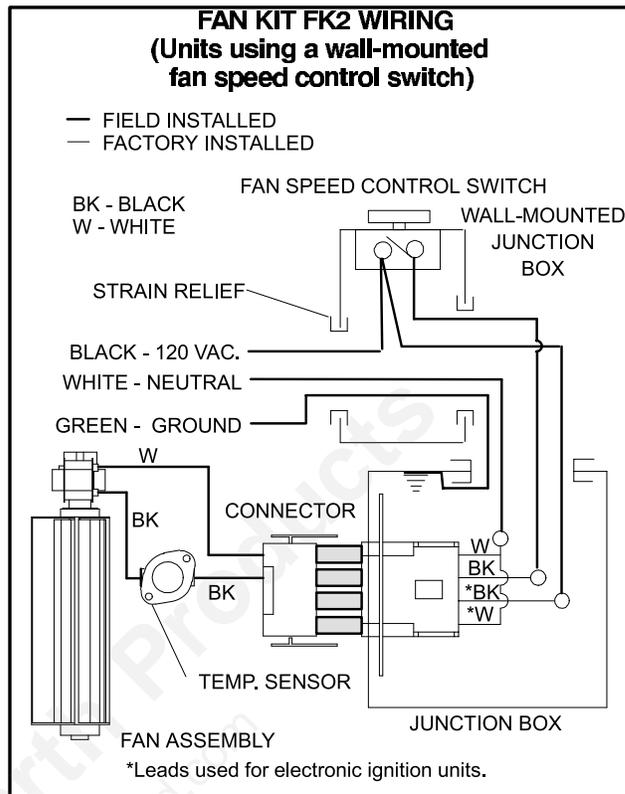


FIGURE 10

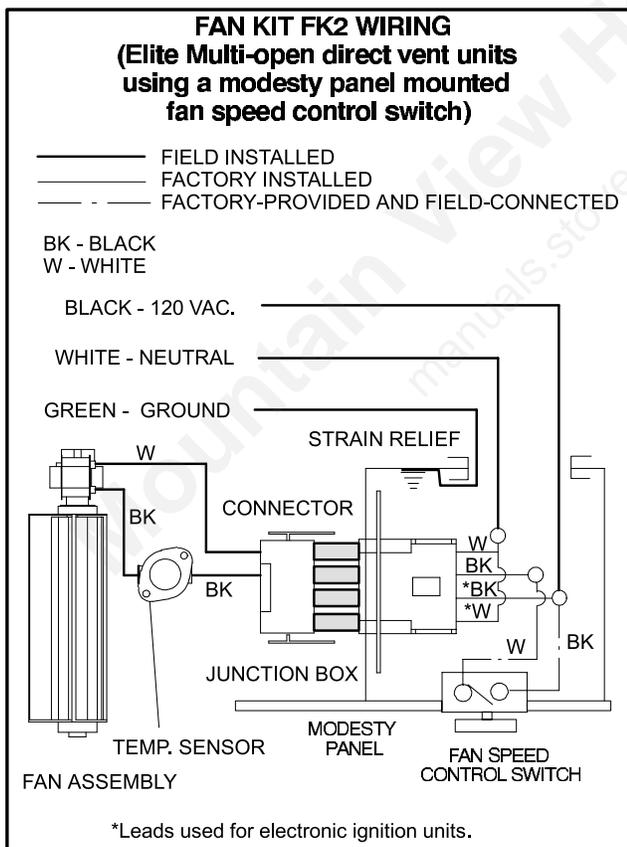


FIGURE 9

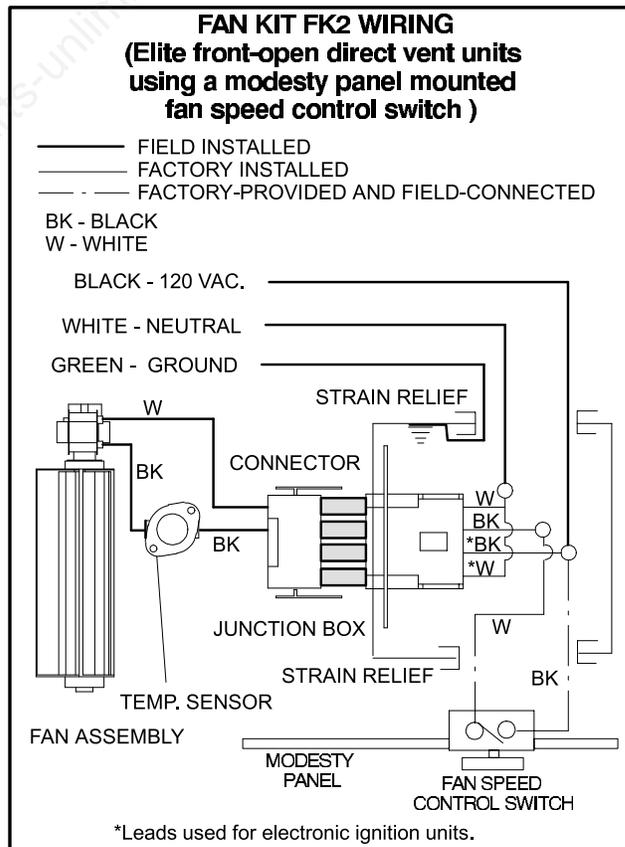


FIGURE 11

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