



FO-FDHB5-N

Internal Blower

The internal blower kit will increase the circulation of heated air in the room where the fireplace is installed. If you desire to distribute the heat in different rooms, please refer to central heating and zone heating kits (FO-FDHB6-1, FO-FDHC6, FO-FDHCZ1 and FO-FDHCZ2).

All wiring should be in accordance with local ordinances and the National Electric Code.

INSTALLATION OF THE THERMAL SWITCH

Only one thermal switch is required to operate the internal blower, the central heat blower or both.

- Open the bottom louver (central bottom louver on all Delta fireplaces).
- Through the bottom louver opening, attach the thermal switch to the inner right leg below the firebox. The magnet will hold the thermal switch in place. It should be spaced 1/8" from the bottom of the firebox, not in direct contact (see Figure 1).

If you have purchased the ash pan option for your fireplace, make sure that it is still possible to remove the ash pan once the thermal switch is installed.

PREPARATION OF THE BLOWER FOR ALL DELTA FIREPLACES

Two metal brackets along with four self-tapping screws and four lock washers were provided with your fireplace. Please locate the parts; you will need them to install the internal blower.

1. Start by installing the two metal brackets on the ends of the blower with the screws and washers provided (see Figure 2).
2. Remove the vibration rubber dampers from the central support of the blower and reinstall them on the recently installed brackets in the orientation shown in Figure 2.

INSTALLATION OF THE INTERNAL BLOWER

1. If your fireplace is equipped with an ash pan: remove the ash pan plug, the ash pan itself and the ash pan support by unscrewing the screw located at the back of the support.
2. If your fireplace has a magnetic bracket located on the right side of the bottom louver opening, remove the magnetic bracket.
3. If your fireplace is equipped with a floor shield: remove the floor shield.

On a **Delta Fusion**: The floor shield is made of two parts. Both parts are screwed together and factory installed to cover the entire floor below the firebox. Before installing the internal blower, the floor shield must be modified. Remove the screw and overlap the front section with the back section. Put the modified floor shield back into the bottom of the fireplace against the back. If you ever remove the blower make sure to extend the shield again.

4. Pass the blower through the bottom louver opening so that the outlet is on the bottom and facing towards the back (see Figure 3).
5. For all other fireplaces except all Delta fireplaces, push the blower to the back of the fireplace and turn the outlet so it faces up (see Figure 4).
6. Align the blower between the two centering brackets on the fireplace base.
7. For all other fireplaces except all Delta fireplaces, replace the floor shield.

On an **Opel2 or Opel3** fireplace: just replace the floor shield.

On a **Focus 320, Onyx2, Opel2C or Opel3C** fireplace: the floor shield is made of two parts. The front section is insulated; the back section is not. Both parts are screwed together and factory installed to cover the entire floor below the firebox. Once the internal blower is installed, the floor shield must be modified. Remove the screw and overlap the front section with the back section. If you ever remove the blower make sure to extend the shield again.

8. Reinstall the magnetic bracket for the bottom louver, if necessary.
9. Replace the ash pan support, the ash pan and the ash pan plug, if necessary.

WIRING FOR ALL FIREPLACES

For complete wiring guidance, refer to the wiring diagram in Figure 5

1. Connect the blue wires from the thermal switch to terminals 4 and 5 in the terminal block as indicated by the wire markers.
2. Connect the blue wires from the blower to terminals 3 and 6 on the terminal block as indicated by the wire markers.
3. Install the variable speed switch in a regular 2" x 4" electrical box in a convenient location outside the fireplace.
4. Using conventional 14/2 wires; connect the variable speed switch to terminals 3 and 4 of the terminal block.
5. It is possible to install a regular "on/off" switch to bypass the thermal switch to activate the internal blower manually. The switch needs to be connected with 14/2 gauge wiring to terminals 4 and 5 of the terminal block. It takes about 30 to 40 minutes for the fireplace to generate enough heat to activate the thermal switch so it can turn on the blower. With the bypass switch, the blower can be turned on at any time. Make sure to return the bypass switch to the off position so that the thermal switch can turn off the blower when the fireplace cools off.
6. Connect terminals 5 and 6 of the terminal block to an 110V circuit with 14/2 wiring. Do not forget to attach the ground wire to the fireplace ground screw which is next to the terminal block.
7. Arrange all wires in such a fashion that they will not come in contact with the firebox.

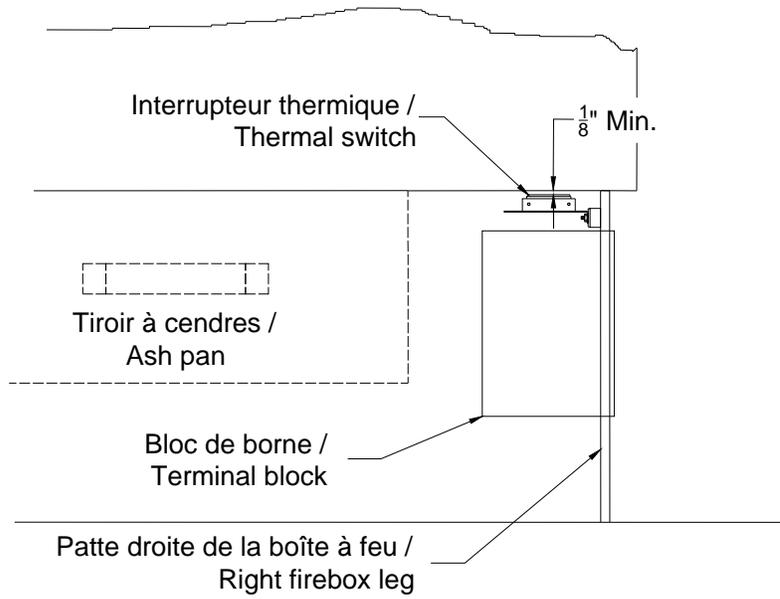
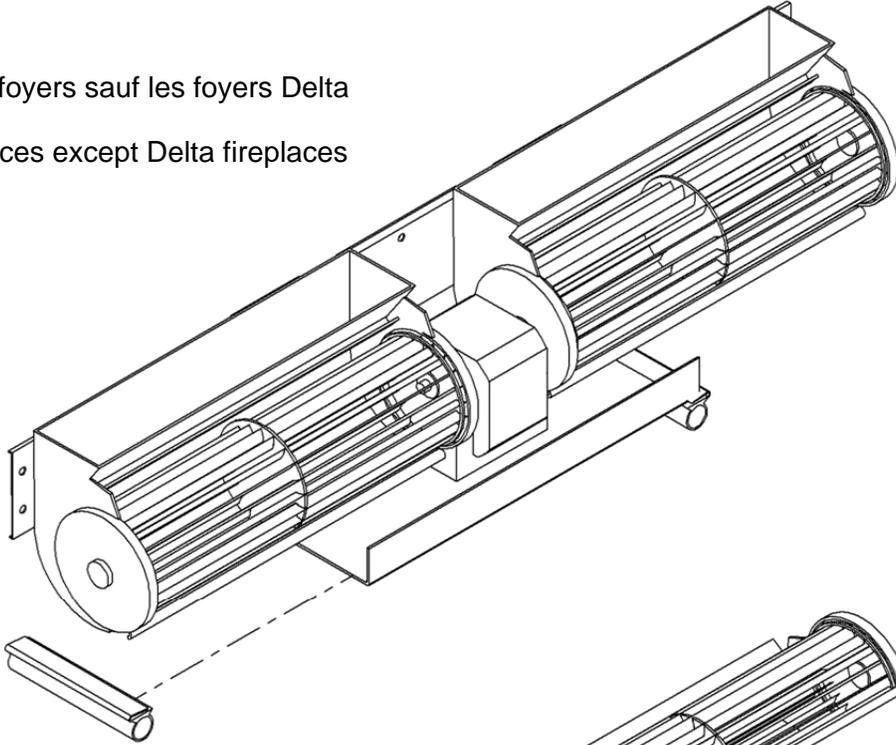
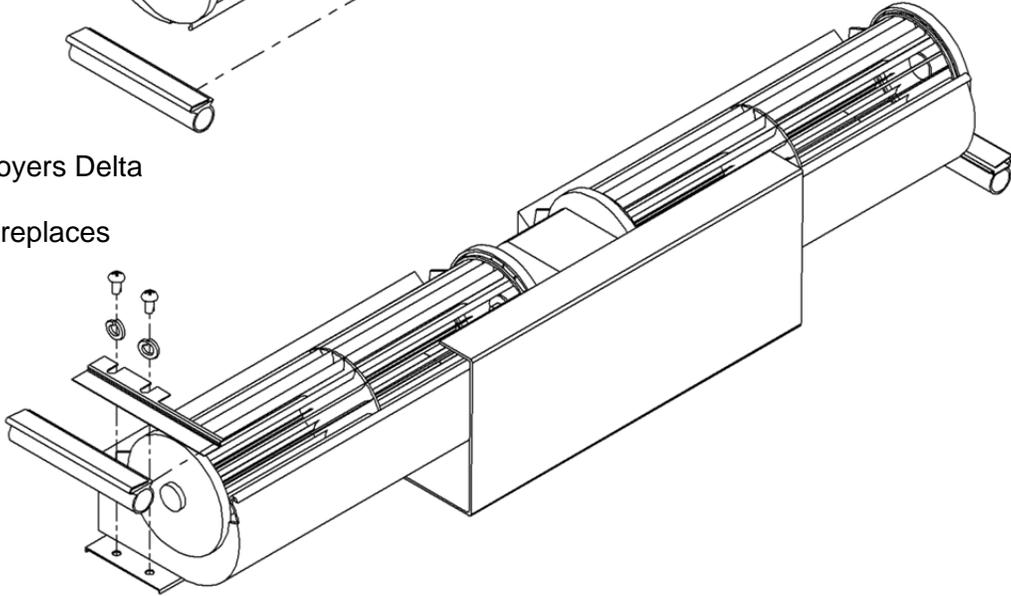


Figure 1 **Installation de l'interrupteur thermique / Installation of the thermal switch**

Tous les foyers sauf les foyers Delta
All fireplaces except Delta fireplaces



Tous les foyers Delta
All Delta fireplaces



**Figure 2 Préparation du ventilateur pour une installation dans tous les foyers Delta /
Preparation of the blower for an installation in all Delta fireplaces**

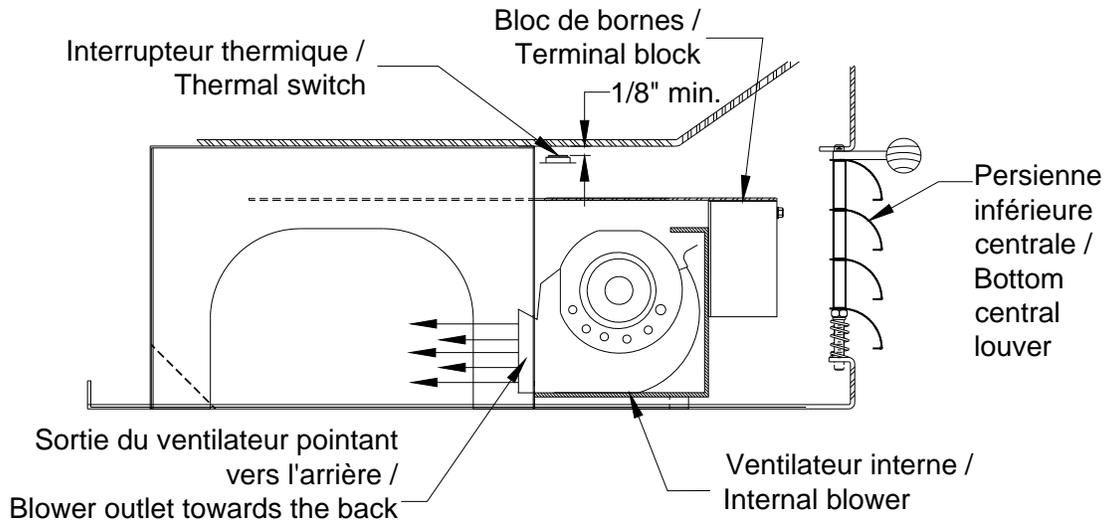


Figure 3 Installation dans tous les foyers Deltas / Installation in all Delta fireplaces

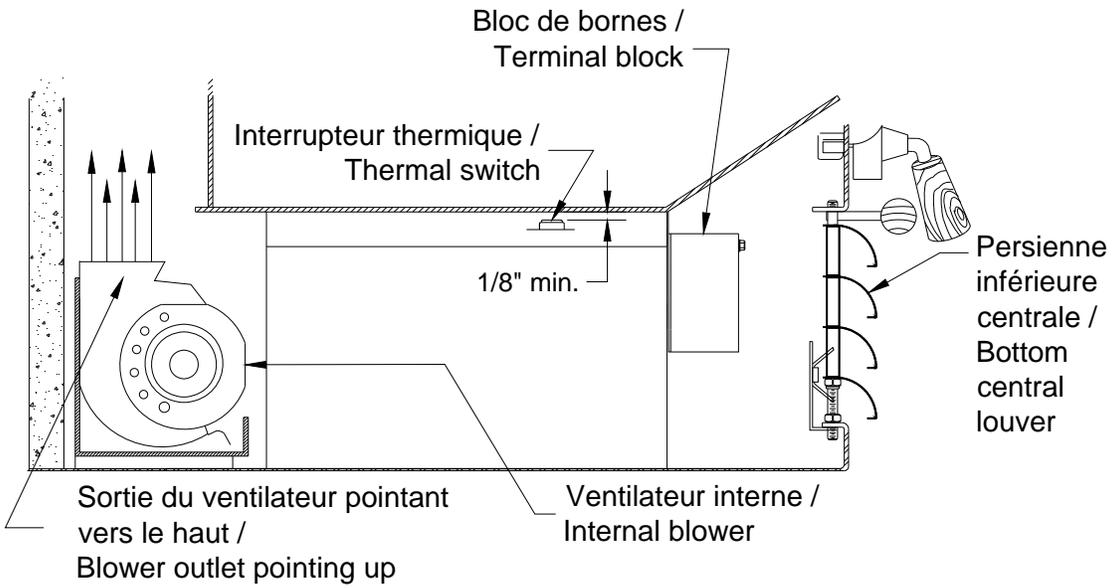
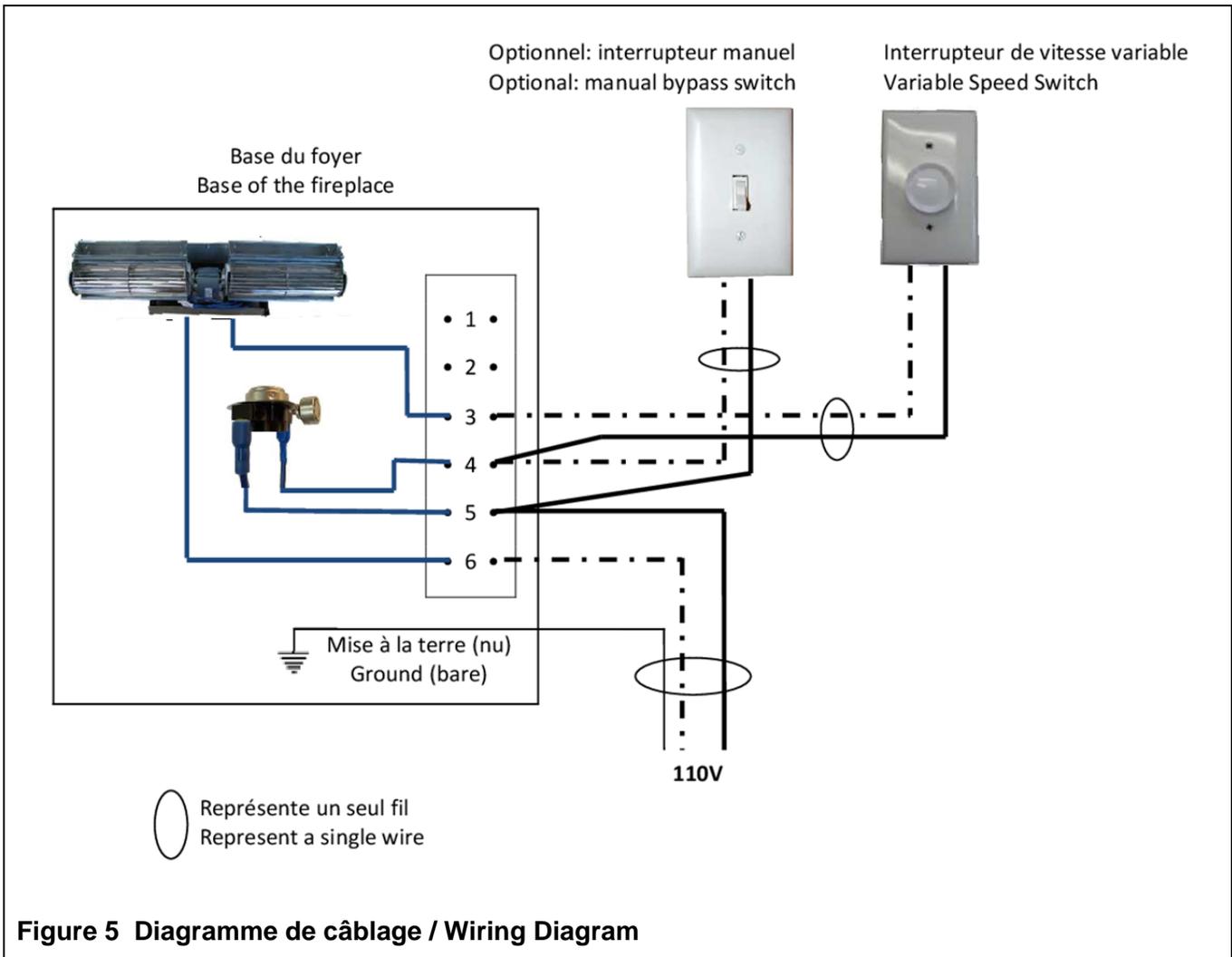


Figure 4 Installation du ventilateur dans tous les foyers sauf les foyers Delta / Installation of the blower in all fireplaces except Delta fireplaces



LISTE DE CONTRÔLE / CHECK LIST:

- 1 Assemblage du ventilateur interne / Internal Blower Assembly (FO-FDHB5N-A01)
- 1 Assemblage de l'interrupteur thermique / Thermal Switch assembly (FO-FDHC6-A02)
- 1 Interrupteur de vitesse variable / Variable Speed Switch (940001)
- 1 Sac contenant 4 connecteurs en fourchette (942006)
Bag containing 4 spade connectors
- Notice d'installation et liste de contrôle / Instructions and check list

**INITIALES
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