INSTALLATION INSTRUCTIONS

GENERAL

This kit is designed for use with Honeywell HR150, HR200, ER150, or ER200 Perfect Window® Ventilators.

The Blower Interface Kit contains the Blower Interface Relay Module, a small circuit board with contacts that provide a low voltage connection to the furnace or air handling equipment. This low voltage connection will turn on the furnace or air handler blower during ventilator operation.

BEFORE INSTALLATION

These instructions explain how to mount the Blower Interface Relay Module inside the electrical enclosure of a ventilator and wire it to the Main circuit board.

CAUTION

Hazardous Power Connection. Line voltage connection will destroy equipment. Use this kit only to set up low voltage switching. Do not use this relay module for line voltage switching or to directly connect a blower.

INSTALLATION

When Installing the Product...

1. Read these instructions carefully. Failure to follow these instructions could damage the product or cause a hazardous condition.
2. The installer must be a trained, experienced service technician.

Unpacking

Remove the kit from its packaging. It contains:
- Blower interface relay module (1.)
- Wires (2).
- Plastic standoffs (4).
- Installation Instructions (1).

The customer must provide:
- Low voltage wire to connect the Blower Interface Relay Module to the 24-volt control of the furnace or air handler blower.
- Hex driver or flat screwdriver.
- Drill (for some models).

Mounting

WARNING

Electrical Shock Hazard. Can cause personal injury. Disconnect power supply before opening the access panel of the ventilator.

To mount the blower interface relay module to the inside of the ventilator electrical enclosure:

1. Open the main access door to the ventilator.
2. Use a 1/4-in. (6 mm) hex driver or flat screwdriver to remove the four screws of the electrical enclosure cover. Detach the cover from the ventilator.
3. There are four mounting holes inside the electrical enclosure. Push the larger end of a plastic standoff into each hole. Make sure that each standoff is fully seated.
4. Press the blower interface relay module onto the standoffs. Apply pressure to each corner of the module until it snaps on.
5. On some models, it is necessary to drill a hole in the side of the cabinet to provide a path for the low voltage wiring into the electrical enclosure. Take care that drilling does not disrupt existing wiring.

Wiring

Fig. 1 shows the terminals that connect the blower interface relay module to the main circuit board.
1. Remove the black wire from the FAN O/P terminal on the main circuit board. Connect to the T1 terminal on the relay module.
2. Connect one end of the black wire from the kit to the FAN O/P terminal on the main circuit board. Connect the other end of the black wire from the kit to the T2 terminal on the relay module.
3. Remove the white wire from the T9 terminal on the main circuit board.
4. Connect the piggyback terminal (bent to provide space for two connections) on one end of the white wire supplied in the kit to the T9 terminal on the main circuit board.
5. Connect the other end of the supplied white wire to the T3 terminal on the relay module.
6. Reconnect the white wire to the piggyback connector on T9.
7. Attach the furnace or air handler blower interface wires to the T4, T5 and T6 terminals on the relay board.

**FINAL INSTALLATION**

- When installation is complete, refer to current Perfect Window® Fresh Air Ventilation Systems Product Data for information on airflow balancing, startup and checkout procedures.
- To prevent equipment damage and for proper wiring to the furnace or air handler, also refer to the manufacturer’s literature.