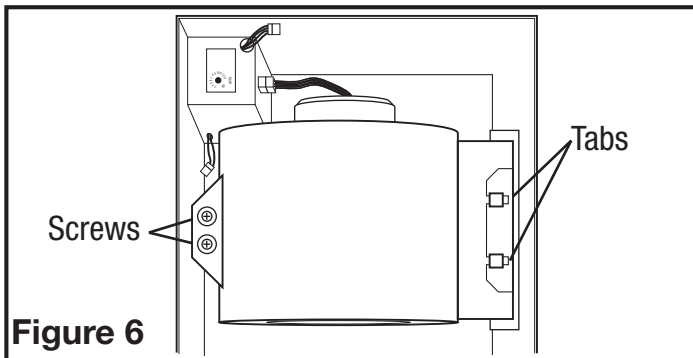


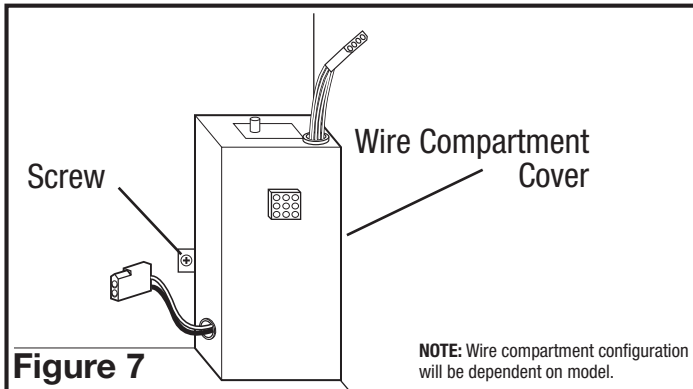
**Figure 5**

- 1b. Internal Wire Compartment: If the motor is already installed in the housing, remove the two screws holding the blower assembly in place. Lift up on the assembly and slide it out of the tabs on the housing (Figure 6). Remove the wire compartment cover screw and place the cover in a secure place (Figure 7).



**Figure 6**

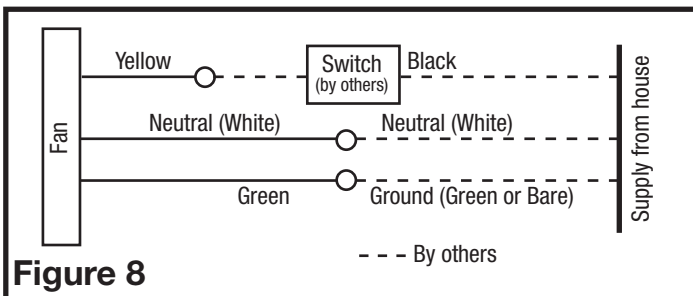
**NOTE:** If the fan motor plug is connected to the fan housing receptacle, unplug so the blower assembly can be completely removed.



**Figure 7**

### Standard and Motion Sensing Models

- 2a. Run wiring carrying the appropriate rating to the fan from an approved source. One neutral (white), one ground (green or bare copper), one hot (black). Run one hot (black) wire to a wall switch (not included) carrying the appropriate rating. Secure the electrical wires to the housing with an approved electrical connector. Make sure you leave enough wiring in the box to make the connection to the fan's receptacle.
- 2b. From where you have chosen to access the fan's junction box, connect the white wire from the house to the white wire from the fan's receptacle. Connect the yellow wire from the fan to the wall switch. Connect the black wire from the house to the black wire from the fan's receptacle. Connect the ground wire from the house to the green wire from the fan housing (Figure 8). Use approved methods for all connections.



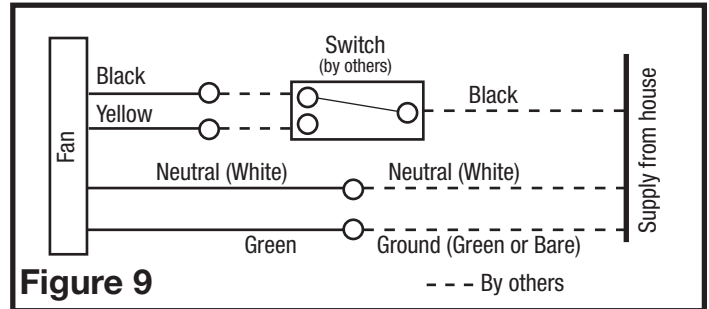
**Figure 8**

**NOTE:** The fan's receptacle wires might need to be pulled outside compartment for connection. Only pull the four loose wires outside of compartment. Additional wires will be present.

**NOTE:** Unit must be grounded according to all local and national codes.

### Humidity Sensing Models

- 3a. For proper operation the humidity sensing fan will require a 3 way switch (not included). Run wiring between the fan and the switch location. Make sure you leave enough wiring in each box to make the connections. At the switch box connect the black wire from the house to the common terminal of the switch. Connect the black wire from the fan to one of the switched terminals on the switch. This position will energize the automatic mode and the fan will energize upon a rise in humidity. Connect the yellow wire from the fan to the other switched terminal on the switch. This position will activate the Manual On feature and energize the fan. Properly connect the ground and neutral (if applicable) mount the switch and the cover.
- 3b. From where you have chosen to access the fan's junction box, connect the white wire from the house to the white wire from the fan. Connect the wire from the automatic position on the wall switch to the black wire from the fan, connect the wire from the manual On position on the switch to the yellow wire from the fan. Connect the ground wire from the house to the green wire from the fan housing (Figure 9). Use approved methods for all connections.



**Figure 9**

**NOTE:** The yellow wire may contain a wire crimp nut which will have to be cut off and the wire stripped.

4. Carefully tuck wire back inside wire compartment and replace wire compartment cover securing with the screw that was removed earlier.

## SECTION 6

### Completing the Installation

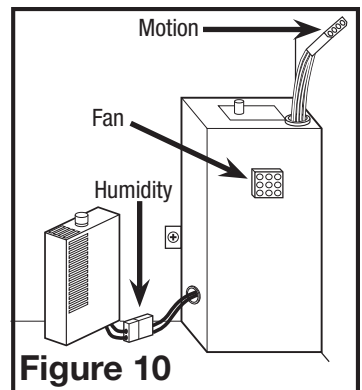
1. Use a sealant appropriate for contact with the building materials present and for the temperature requirements of the installation to prevent air leakage from unconditioned spaces is recommended. If gaps between unit housing and ceiling are great, additional material (backing rod, ceiling material) may be required.

**NOTE:** This fan is rated for direct insulation contact (Type IC) and it is recommended that this fan be completely covered by insulation in order to reduce heat loss or gain to unconditioned space.

2. If the fan's blower assembly was removed during the wiring process, reinstall the blower by reversing the directions in Section 5 (Wiring), Step 1b.

- 3a. **STANDARD MODELS:** Plug the fan's quick connect motor cord into the corresponding receptacle located on the wire compartment cover. This cord will only fit one way into the receptacle (Figure 10).

- 3b. **HUMIDITY SENSING MODELS:** Plug the fan's quick connect motor cord into the corresponding receptacle located on the wire compartment cover. Connect the two pin connector from the humidistat compartment to the two pin connector from the side of the wire compartment cover. These cords will only fit one way into the receptacles (Figure 10).



**Figure 10**

- 3c. **MOTION SENSING MODELS:** Plug the fan's quick connect motor cord into the receptacle located on the side of the wire compartment cover. Plug the 4 pin quick connect cord from the grill into the 4 pin receptacle located on the top of the wire compartment cover. These cords will only fit one way into the receptacles (Figure 10).

- 3d. **HUMIDITY AND MOTION SENSING MODELS:** Plug the fan's quick connect motor cord into the receptacle located on the side of the wire compartment cover. Connect the two pin connector from the humidistat compartment to the two pin connector from the side of the wire compartment cover. Plug the 4 pin quick connect cord from the grill into the 4 pin receptacle located on the top of the wire compartment cover. These cords will only fit one way into the receptacles (Figure 10).