

OTDFPKG OUTDOOR THERMOSTAT FOR DUAL FUEL PACKAGE UNITS INSTALLATION INSTRUCTIONS

ATTENTION INSTALLING PERSONNEL


As a professional installer, you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair, it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is your responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.


Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.




WARNING

ONLY PERSONNEL THAT HAVE BEEN TRAINED TO INSTALL, ADJUST, SERVICE, MAINTENANCE OR REPAIR (HEREINAFTER, "SERVICE") THE EQUIPMENT SPECIFIED IN THIS MANUAL SHOULD SERVICE THE EQUIPMENT. THE MANUFACTURER WILL NOT BE RESPONSIBLE FOR ANY INJURY OR PROPERTY DAMAGE ARISING FROM IMPROPER SERVICE OR SERVICE PROCEDURES. IF YOU SERVICE THIS UNIT, YOU ASSUME RESPONSIBILITY FOR ANY INJURY OR PROPERTY DAMAGE WHICH MAY RESULT. IN ADDITION, IN JURISDICTIONS THAT REQUIRE ONE OR MORE LICENSES TO SERVICE THE EQUIPMENT SPECIFIED IN THIS MANUAL, ONLY LICENSED PERSONNEL SHOULD SERVICE THE EQUIPMENT. IMPROPER INSTALLATION, ADJUSTMENT, SERVICING, MAINTENANCE OR REPAIR OF THE EQUIPMENT SPECIFIED IN THIS MANUAL, OR ATTEMPTING TO INSTALL, ADJUST, SERVICE OR REPAIR THE EQUIPMENT SPECIFIED IN THIS MANUAL WITHOUT PROPER TRAINING MAY RESULT IN PRODUCT DAMAGE, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.




WARNING


DO NOT BYPASS SAFETY DEVICES.



WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.





CAUTION

TO AVOID POSSIBLE PERSONAL INJURY, USE EXTREME CAUTION IF USING POWER TOOLS TO REMOVE THE SMALL BREAKER MOUNTING BRACKETS. THE BRACKETS MAY QUICKLY ROTATE AND CAUSE INJURY.

INTRODUCTION

The OTDFPKG accessory utilizes a single pole double throw thermostat to determine the temperature at which the unit will switch from mechanical heat using the heat pump to gas heat using the gas furnace when the outdoor temperature is below a user adjustable setpoint (0°F-45°F).

The Thermostat CAM (See Figure 4) can be used to adjust the setpoint, counterclockwise for WARM setting or clockwise for COLD setting.

Kit Components	
Part Description	Qty.
Webbed Grommet	1
Self-drilling Screws	2
Housing Assembly (containing parts below)	1
Door	1
Box	1
Top	1
Bottom Screen	1
Thermostat	1
Thermostat Harness	1
Screws	6
IO-771B Installation Instructions	1

TABLE 1



INSTRUCTIONS

1. Inspect all parts from the kit and compare them to Table 1 to ensure all needed parts are available before proceeding. Kit # OTDFPKG-01 (dark gray) should be installed on Amana and Goodman brands, while OTDFPKG-02 (nickel gray) should be installed on the Daikin brand.
2. Remove the blower door in order to access the thermostat plug on the inside of the unit.
3. Remove the knockout from the duct panel located next to the blower door (See Figure 1). There will be insulation behind the knockout on the inside of the unit. Cut an "X" into the insulation as shown in Figure 1.
4. Locate the webbed grommet placed inside the zip-lock bag and snap it into the resulting hole in the duct panel.
5. Remove the door from the housing assembly. Place the plug of the thermostat through the grommet and through the hole cut into the insulation into the inside of the unit.
6. Using the cutting screws shipped with the kit, mount the housing to the duct panel using the locating dimples on the panels. When mounted, the large hole in the top left-hand corner of the housing should surround the webbed grommet and the housing should be flush against the duct panel.
7. Locate the outdoor thermostat harness inside the blower compartment. Remove the jumper plug and connect the plug from the thermostat to the plug inside the blower compartment. Place the jumper plug with the literature of the unit and keep in case servicing is needed later.
8. The large hole at the top left-hand corner of the housing should surround the webbed grommet in the low voltage hole.
9. Fasten the kit to the corner panel through the holes shown in Figure 2 using the self-drilling screws provided in the zip-lock bag.
10. The kit should be fastened in such a way that the control box cover can be removed without interference or obstruction from the kit.
11. Set the outdoor thermostat to the desired level using a flat head screwdriver as shown in Figure 4. **The setting will determine the temperature at which the unit will switch from mechanical heat with heat pump to gas heat using the gas furnace.** In most cases, it is recommended that the setting be in the range of 35°F - 40°F depending on the cost of local utilities.
12. If need be, the low voltage field wires can be run through the hole on the side of the thermostat kit as shown in Figure 2.
13. Once the thermostat is set, replace the door to the housing and the blower compartment.
14. Snap in the plastic plug into the hole on the side of the kit.

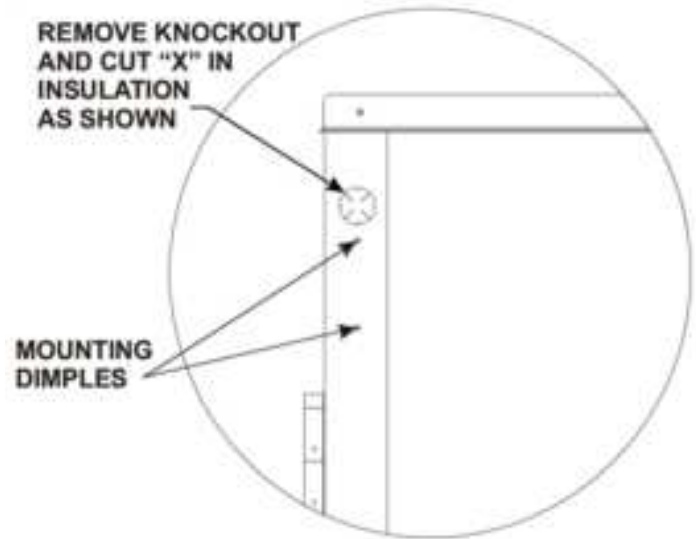


FIGURE 1

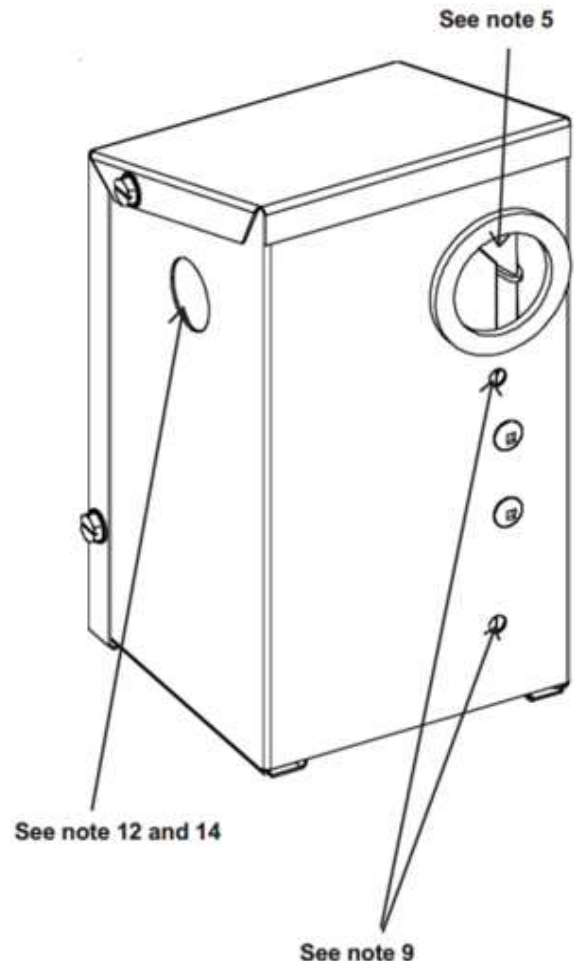
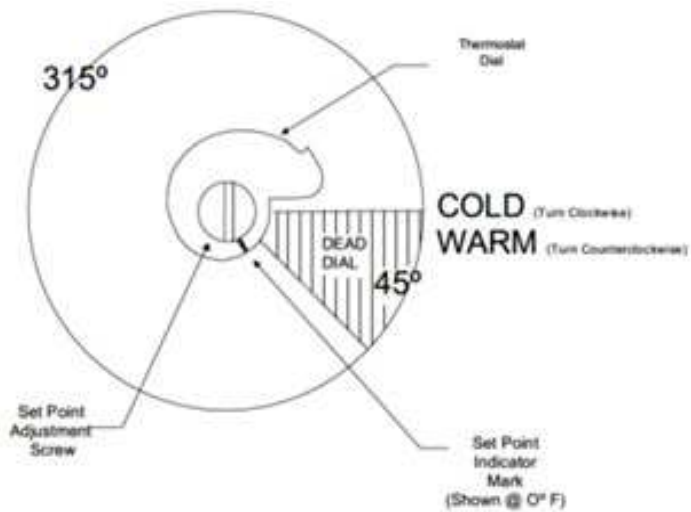


FIGURE 2



THERMOSTAT CAM

FIGURE 3

Set the thermostat by lining the small tick mark on the dial with the desired temperature.



FIGURE 4

IMPORTANT NOTE: IF THE HOUSING IS IN A LOCATION WHERE IT WILL BE IN DIRECT SUNLIGHT, THE TEMPERATURE INSIDE THE HOUSING COULD BE 5°F - 10°F HIGHER THAN THE AMBIENT OUTSIDE THE BOX. KINDLY TAKE THIS INTO CONSIDERATION WHEN SETTING THE THERMOSTAT IN THESE APPLICATIONS.

CUSTOMER FEEDBACK

We are very interested in all product comments.

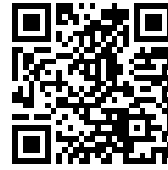
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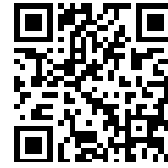
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DAIKIN



GOODMAN® BRAND



AMANA® BRAND

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Quality Makes the Difference!

All of our systems are designed and manufactured with the same high quality standards regardless of size or efficiency. We have designed these units to significantly reduce the most frequent causes of product failure. They are simple to service and forgiving to operate. We use quality materials and components. Finally, every unit is run tested before it leaves the factory.

That's why we know. . . There's No Better Quality.

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