

ACCESSORY KIT INSTALLATION MANUAL

HIGH ALTITUDE APPLICATION CONVERSION FOR TWO STAGE FURNACES (96% S1-1PS3308) and (80% 1PS3309) FOR USE WITH MODELS: TM(8,L)T, TM(8,L)V, TM9T & TM9V

▲WARNING

This conversion kit is to be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, an explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

▲CAUTION

The conversion of new certified central heating gas appliances must conform to directions outlined in this instruction. Installation must be made in accordance with National Fuel Gas Code, ANSI Z223.1-latest edition, unless superseded by local codes. For Canadian installations, the conversion shall be carried out in accordance with the requirements of the Provincial authorities having jurisdiction and in accordance with the CAN1-B149.1 and .2 installation codes. The manufacturer accepts no responsibility for malfunctions due to improper conversions.

GENERAL INFORMATION

This instruction is intended for the conversion of new equipment only, for operation at altitudes greater than 5,000 ft. above sea level. Follow the basic unit installation instruction for all other aspects of the installation.

All units are equipped to operate up to 5,000 ft. above sea level without a high altitude kit. Installations above 2,000 ft. must be field derated as required by the National Fuel Gas Code, ANSI Z223.1 (latest edition), or in Canada, CAN/CGA B149.1 or .2 and all other applicable local codes and utility requirements.

This instruction provides the necessary information to select and install the proper pressure switch for your specific application. This high altitude accessory kit includes a special switch and other items as detailed below.

▲WARNING

Improper installation, adjustment service, or maintenance can cause injury or property damage; therefore, only a qualified installer or qualified service personnel should perform this conversion.

TABLE 1:Kit Contents

COMMON PARTS		
Description	Part Number	Quantity
Conversion Label	035-11635-000	1
Installation Manual	035-22764-001	1

PRESSURE SWITCH		
Accessory Kit	Switch Part Number	Pressure Settings
S1-1PS3308	024-35923-000	.30 / .75
S1-1PS3309	024-35926-000	.30 / .70

PRESSURE SWITCH

For installations below 5,000 ft., refer to furnace installation instructions for applications which do not require a pressure switch change. For all other high altitude applications, a pressure switch change is required to provide safe and reliable operation. The 1PS3308 kit is used on all 96% models, the 1PS3309 on all 80% models.

▲WARNING

Do not adjust the original pressure switch to allow operation at high altitude. Unsafe operation will result.

TABLE 2:High Altitude Pressure Switch Usage

Input MBH / CFM	Accessory Part Number
All 96% Two-Stage	1PS3308
All 80% Two-Stage	1PS3309

The high altitude pressure switch should be changed by following this procedure.

1. Remove the burner access door.
2. Note the location of the wires on the pressure switch and then disconnect them. Remove the hose from the pressure switch.
3. Remove the screw(s) securing the pressure switch and remove it from the unit. Check that the new pressure switch part number is correct for your application (Refer to Tables 1&2). Install the new pressure switch.
4. Replace the hose and wiring as originally connected.