KGAHA6101PSW
KGAHA6201PSW
KGAHA6301PSW
KGAHA6401PSW

High Altitude Pressure Switch Kit for Furnaces

Installation Instructions

NOTE: Read the entire instruction manual before starting the installation.

SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause death, personal injury, or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with the kits or accessories when installing.

Follow all safety codes. Wear safety glasses, protective clothing, and work gloves. Have a fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions include in literature and attached to the unit. Consult local building codes, the current editions of the National Fuel Gas Code (NFGC) NFPA 54/ANSI Z223.1 and the National Electrical Code (NEC) NFPA 70.

In Canada, refer to the current editions of the National Standards of Canada CAN/CSA-B149.1 and .2 Natural Gas and Propane Installation Codes, and Canadian Electrical Code CSA C22.1

Recognize safety information. This is the safety-alert symbol ⚠. When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words **DANGER**, **WARNING**, and **CAUTION**. These words are used with the safety-alert symbol. **DANGER** identifies the most serious hazards which **will** result in severe personal injury or death. **WARNING** signifies hazards which **could** result in personal injury or death. **CAUTION** is used to identify unsafe practices which **may** result in minor personal injury or product and property damage. **NOTE** is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

⚠ WARNING

FIRE, EXPLOSION, ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury, death and/or property damage.

Before installing or servicing unit, always turn off main electrical and gas to unit and tag with appropriate lockout. There may be more than one disconnect switch.

⚠ CAUTION

CUT HAZARD

Failure to follow this caution may result in personal injury.

Sheet metal parts may have sharp edges or burrs. Use care and wear appropriate protective clothing, safety glasses and gloves when handling parts and servicing furnaces.

⚠ WARNING

FIRE, EXPLOSION, ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in possible personal injury, death and / or property damage.

The ability to properly perform service on this equipment requires certain expertise, mechanical skills, tools, and equipment. If you do not possess these, do not attempt to perform any service on this equipment other than those procedures recommended in the User's Manual.

Table 1 – Models

Kit Part	Used with Models
KGAHA6101PSW	58HDV040 359BAV036040
KGAHA6201PSW	58HDV060 359BAV036060 58HDX060 359AAV036060 PG9YAB036060
KGAHA6301PSW	58HDV080 359BAV060080 58HDX080 359AAV036080 PG9YAB036080 359AAV048080 PG9YAB048080
KGAHA6401PSW	58HDV100 359BAV060100 58HDX100 359AAV060100 PG9YAB060100

INTRODUCTION

This instruction covers the installation of high-altitude pressure switch kits in condensing furnaces. The switch set points are shown on the label attached to the front of the switch.

KIT CONTENTS

The high-altitude pressure switch kit contains the following items:

High altitude switch assembly	1
Installation instructions	1

INSTALLATION OF PRESSURE SWITCH ASSEMBLY

1. Mark two (2) wires connected to the high-fire pressure switch and the two (2) wires connected to the transition switch.
2. Disconnect the four (4) wires from the pressure switches.
3. Mark and disconnect the pressure tubes from the pressure switches.
4. Remove the two (2) screws from the front mounting bracket (See Fig. 1).
5. Install new high altitude pressure switches and mounting bracket with two (2) screws.
6. Reconnect the pressure tubes to the high altitude pressure switches.
7. Reconnect wires to the switches as shown in the furnace wiring diagram.
8. Check furnace for proper operation (refer to furnace Installation Instructions).

DESCRIPTION AND USAGE

This high-altitude pressure switch kit is required for the installation of the condensing furnaces when installed with a Category IV vent system at altitudes equal to or higher than 4000 ft. (1219 M) above sea level.

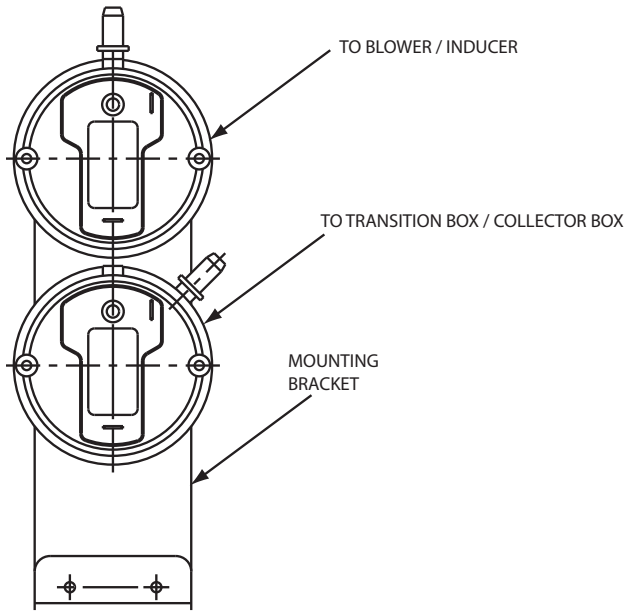

Fig. 1 - Pressure Switch

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