

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 included 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 these 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 AND CARBON MONOXIDE POISONING HAZARD

Failure to follow this warning could result in personal injury or unit damage.

A qualified installer or agency must use only factory-authorized kits or accessories when modifying this product.

WARNING

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

Before installing or servicing system, always turn off main power to system and install lockout tag. There may be more than one disconnect switch. Turn off accessory heater power switch if applicable.

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 and gloves when handling parts.

INTRODUCTION

This instruction manual covers installation of the Low Pressure Switch Accessory Part Number CPLPSCTL001A00.

DESCRIPTION AND USAGE

This accessory kit is designed for use when a low-pressure control is desired. This kit is for use with gas heating/electric cooling, electric heating/electric cooling that use R-410A and are 2 to 5 ton in capacity.

INSTALLATION

Refer to Table 1 for accessory package contents. Not every item included in this package is necessary for installation of this accessory. Additional items are included to meet the installation needs of the different units compatible with this accessory and unique installation requirements. Use items as necessary for your installation needs.

Table 1 – Package Contents

| ITEM | QUANTITY |
|------------------------------|----------|
| Installation Instructions | 1 |
| Low-Pressure Switch Assembly | 1 |
| Adapter Tee | 1 |
| Flare Gaskets | 2 |
| Wire Connectors | 2 |
| Wire Ties | 3 |

CAUTION

EQUIPMENT DAMAGE AND/OR OPERATION HAZARD

Failure to follow this caution may result in equipment damage or improper operation.

When making flare connections, use one of the flare gaskets provided in the kit to ensure a leak-tight refrigerant connection. Use a backup wrench to avoid breaking connection or splitting flare.

Step 1 — Install Pressure Switch

Install pressure switch as follows:

1. Securely connect pressure switch flare nut (on pressure switch assembly) to either male flare fitting on adapter tee provided in kit. Be sure to use a flare gasket (provided in the kit). (See Fig. 1.)
2. Locate service fitting on suction tube (larger diameter refrigerant tube) when installing low-pressure switch
3. Remove cap from service fitting and place on remaining male flare fitting on adapter tee.

4. Securely connect female flare nut on adapter tee to service fitting. Be sure to use a flare gasket (provided in the kit).
5. Check all refrigerant connections for leaks; repair if necessary.

Step 2 — Make Electrical Connections

NOTE: In some instances it may be necessary to clip the quick-connect terminals from the wire leads and strip the insulation from the end of the lead to make an electrical connections. Wire connectors have been provided for this purpose. Proceed as follows to complete electrical connections for the low-pressure switch.

1. Locate unit low-voltage coil terminals on contactor in unit control box (see Fig. 2).
2. Make electrical connections as follows to install low-pressure switch in a system:
Disconnect lead from contactor low-voltage coil terminal; connect one low-pressure switch lead to coil terminal; connect other low-pressure switch lead to existing high switch lead.
3. Restore power to unit and check unit operation.

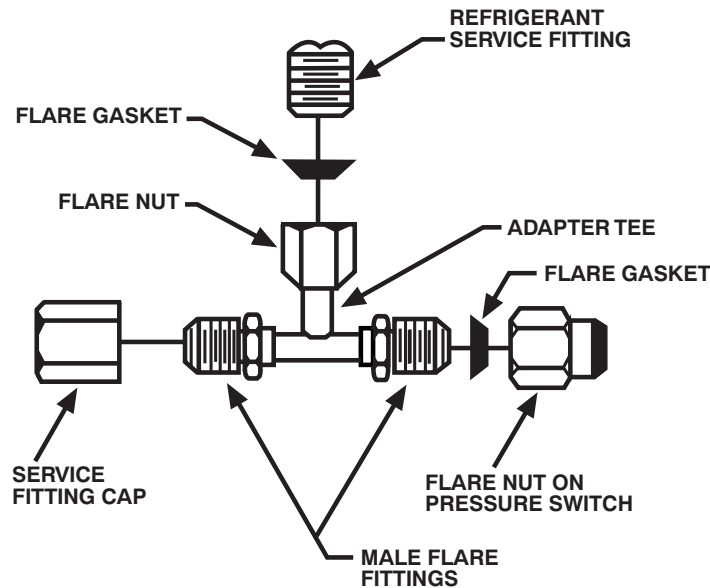


Fig. 1 - Low-Pressure Switch Refrigerant Connections

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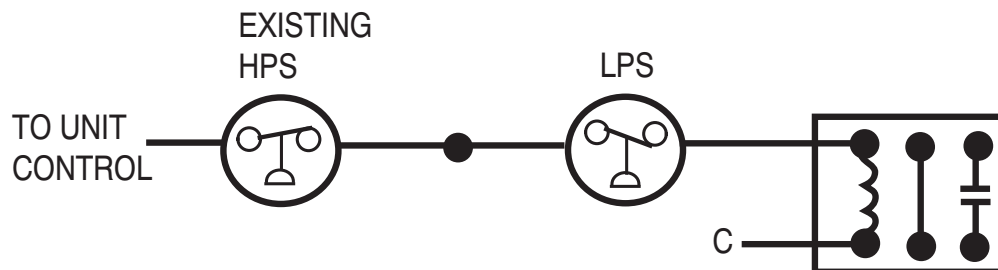


Fig. 2 - Low-Pressure Switch Wiring Diagram

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