

Small Packaged Products Accessory Controls Upgrade Package

Cancels: IIK 555A-18-28 IIK 555A-18-35
8-00

Installation Instructions Part Number: CPCNTRLS001A00

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

SAFETY CONSIDERATIONS

Installation and servicing of air-conditioning equipment can be hazardous due to system pressures and electrical components. Only trained and qualified service personnel should install, repair, or service air-conditioning equipment.

When working on air-conditioning equipment, observe precautions in the literature, tags, and labels attached to the unit, and other safety precautions that may apply. Be sure installation conforms to all applicable local and national codes.

⚠ WARNING

Before performing service or maintenance operations on unit, turn off main power switch to unit. If gas unit, shut off gas supply *before* shutting off main power. Electrical shock can cause personal injury or death. TAG DISCONNECT SWITCH WITH A SUITABLE WARNING LABEL.

INTRODUCTION

This instruction manual covers installation of the Accessory Controls Upgrade Package Part Number CPCNTRLS001A00.

DESCRIPTION AND USAGE

This Accessory Controls Upgrade kit is designed for use when high- and/or low-pressure control is desired. This kit is for use with gas heating/electric cooling, electric heating/electric cooling and heat pump units that use R-22 and are 1 1/2 to 5 ton in capacity.

INSTALLATION

Refer to Table 1 for accessory controls upgrade 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.

⚠ CAUTION

When making connections, use one of the flare gaskets provided in the kit to ensure a leaktight refrigerant connection. Use a backup wrench to avoid breaking connection of 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.)

Table 1—Accessory Controls Upgrade Package Contents

ITEM	QUANTITY
Low-Pressure Switch Assembly	1
High-Pressure Switch Assembly	1
Adapter Tee	2
Flare Gaskets	4
Wire Connectors	4
Black Wire, 80 in.	4
Wire Label	1
Wire Ties	3

2. Locate service fitting on discharge tube (smaller diameter refrigerant tube) when installing high-pressure switch or 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.

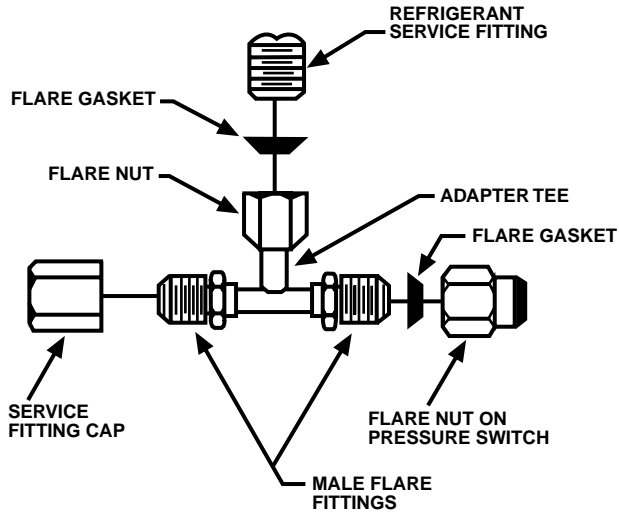
Step 2—Make Electrical Connections

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 connection. Wire connectors have been provided for this purpose

Proceed as follows to complete electrical connections for the high- and low-pressure switches.

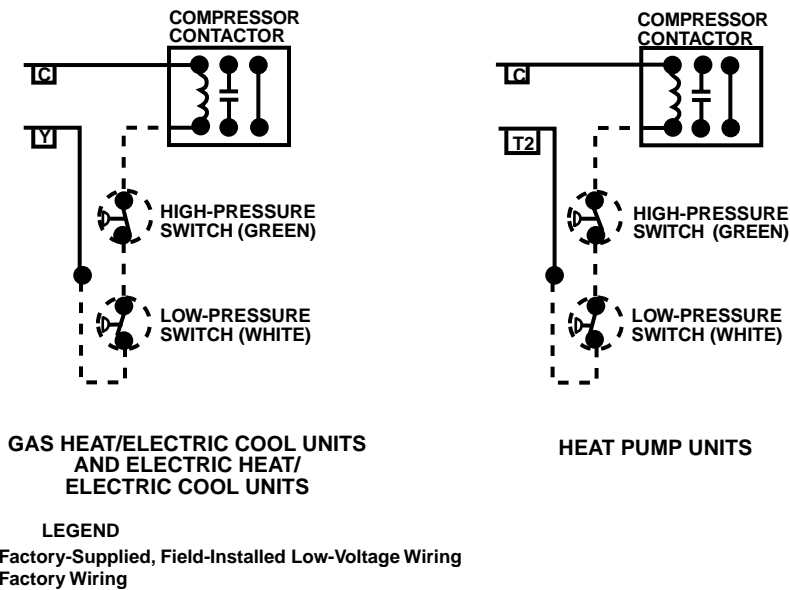
1. Locate unit low-voltage coil terminals on contractor in unit control box (see Fig. 2).
2. Make electrical connections as follows to install both high- and low-pressure switches in a system:
Disconnect lead from contractor low-voltage coil terminal; connect one high-pressure switch lead to coil terminal; connect other high-pressure switch lead to one low-pressure switch lead; connect remaining low-pressure switch lead to disconnected from coil terminal.
3. Affix wire label provided in kit next to unit wiring label.
4. Restore power to unit and check unit operation.

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.



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Fig. 1—High- and Low-Pressure Switch Refrigerant Connections



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Fig. 2—High- and Low-Pressure Switch Wiring Diagrams