



# Comfort™ Pro Programmable and Non-Programmable Fan Coil Changeover Sensor Kit Accessory

## Installation Instructions

Part Number 33CSWCOFC-01


**IMPORTANT:** Read entire instruction before installing the kit.

### SAFETY CONSIDERATIONS

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

Untrained personnel can perform the basic maintenance functions. All other operations should be performed by trained service personnel. 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. Follow all safety codes. Wear safety glasses and work gloves.

Read and follow manufacturer instructions carefully. Follow all local electrical codes during installation. All wiring must conform to local and national electrical codes. Improper wiring or installation may damage the sensor.

Recognize safety information. This is the safety alert symbol . When the safety alert symbol is present on equipment or in the instruction manual, 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 a hazard which could result in personal injury or death. CAUTION is used to identify unsafe practices which would result in minor personal injury or property damage.

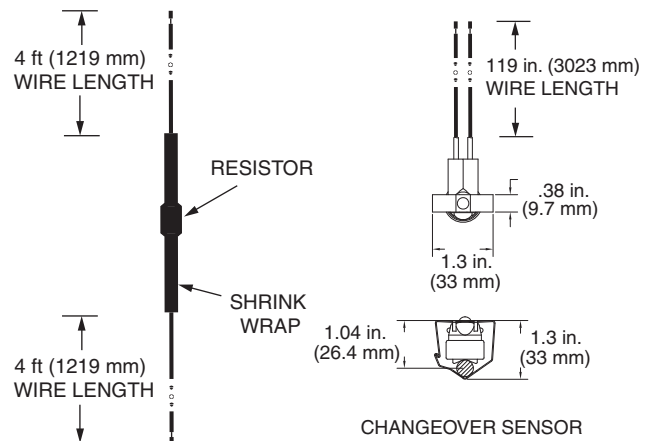
### GENERAL

The commercial fan coil changeover sensor is used in conjunction with the programmable or non-programmable fan coil thermostat for 2-pipe changeover systems. The changeover sensor clips on the fan coil supply line for 5/8-in. copper or iron pipes. The electrical characteristics of the sensor are those of a closed switch when the water temperature is acceptable for cooling and an open switch when the water temperature is acceptable for heating.

This installation instruction covers installation of the changeover sensor and supplied resistor. See Fig. 1. For operational details, consult the Owner's Manual or Installation Instructions for the associated Comfort Pro fan coil thermostat.

### PACKAGE CONTENTS

- 1 — Changeover sensor with 94.5 in. (2.4 m) lead length and 1/2-in. (1.3 cm) stripped ends
- 1 — Resistor with 4 ft (1.2 m) wire leads on each end



**Fig. 1 — Comfort Pro Fan Coil Changeover Sensor Kit**

### INSTALLATION

To install the changeover sensor and resistor, perform the following procedure:

1. Turn off unit power supply and install lockout tag.

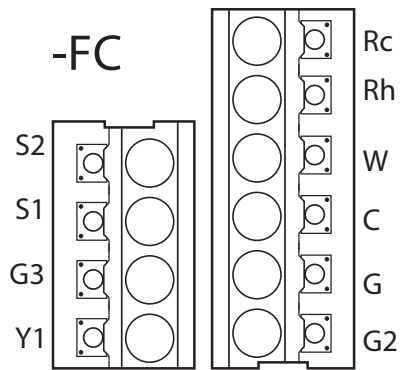
#### **WARNING**

Electrical shock can cause personal injury and death. Before installing thermostat, shut off all power to this equipment during installation. There may be more than one power disconnect. Tag all disconnect locations to alert others not to restore power until work is completed.

2. Install the changeover sensor by clipping the sensor on the supply piping. Follow the instructions provided in the fan coil equipment installation instructions.

**NOTE:** The sensor must be located in the system piping where water is flowing. Improper location may prevent the thermostat from determining the correct operation mode and disable cooling.

3. Wire one lead of the changeover sensor to the G3 terminal of the Comfort Pro fan coil thermostat and the other lead to Rc terminal of the fan coil thermostat. See Fig. 2.
4. Wire one lead of the resistor provided in the kit to the G3 terminal of the fan coil thermostat and the other lead to the C terminal of the fan coil thermostat. See Fig. 2. Secure the resistor in the fan coil control box or to factory wire harness with a wire tie (not supplied).
5. Remove lockout tag and return unit to service.



**Fig. 2 — Secure Wires to Fan Coil Thermostat Terminal Strip**