



18-HE81D1-2

# Installer's Guide

## Kit 14630

## Temperature Limit Switch Kit

**ALL phases of this installation must comply with NATIONAL, STATE AND LOCAL CODES**

**IMPORTANT** — This Document is **customer property** and is to remain with this unit.  
Please return to service information pack upon completion of work.

### Kit Components

Refer to Figure 1 for part identification.

Table 1

Item No.	Drawing No.	Description	Quantity
1	B306050P08	Reverse Flow Switch	1
2	C340366P15	Thermal Limit Switch	1
3	B340345P02	Limit Gasket	1
4	A342848P01	Conversion Label	1

### Application

This limit control kit is applied only to the units listed below when installed in down flow vertical position in combination with a TXC042 or TXC031 coil.

Table 2

*DC080C942BA	CDX080A942A0
*DC1B080A9421AA	*DX1B080A9421AA
*DC1B080A9421AB	*DX1B080A9421AB
*DX080R942W5	*DX1B080A9H31AA
*DX080R942W6	*DX1B080A9H31AB
A/TDX080C942D3	*DX1B080A9H31BA
*May be "A", "C" or "T"	

### Safety Section

#### **⚠ WARNING**

**DISCONNECT POWER TO THE UNIT BEFORE REMOVING THE BLOWER DOOR. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN PERSONAL INJURY FROM MOVING PARTS.**

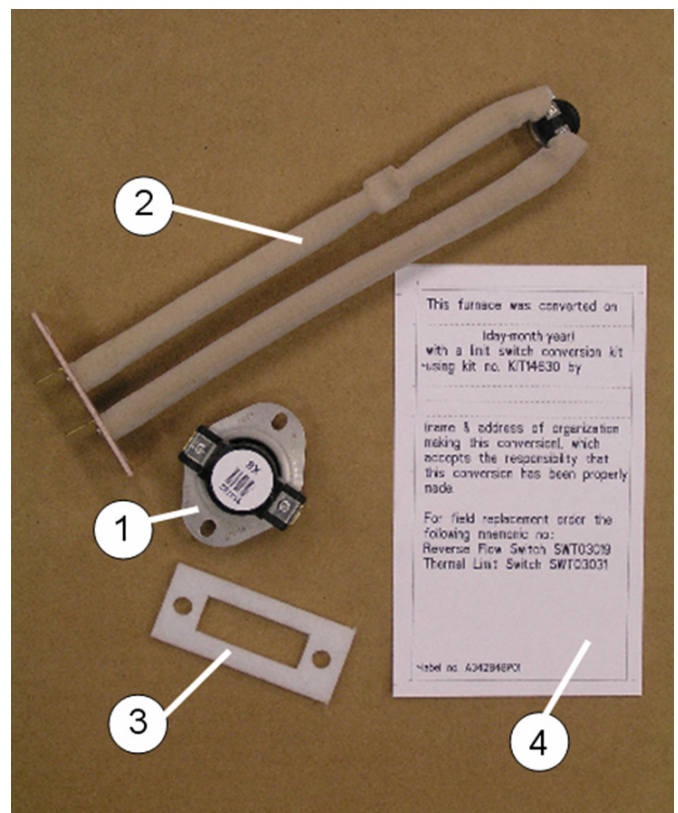


Figure 1

#### **⚠ WARNING**

**THE CABINET MUST HAVE AN UNINTERRUPTED OR UNBROKEN GROUND ACCORDING TO NATIONAL ELECTRICAL CODE, ANSI/NFPA 70 - "LATEST EDITION" AND CANADIAN ELECTRICAL CODE, CSA C22.1 OR LOCAL CODES TO MINIMIZE PERSONAL INJURY IF AN ELECTRICAL FAULT SHOULD OCCUR. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN AN ELECTRICAL SHOCK, FIRE, INJURY OR DEATH.**

# Installer's Guide

## General

These instructions describe the conversion of the limits for the above models applied in the down flow vertical position.

The down flow vertical application has the apex of the indoor coil close to the heat exchanger assembly and can cause nuisance limit tripping during heating operation. The replacement switches will prevent this tripping in the down flow vertical position.

The instructions below provide a step by step procedure of how to make this modification. These instructions must be followed to make this limit control conversion.

## Conversion

1. Check for damage to the kit contents.
2. Turn the thermostat to the off position.
3. Disconnect electrical supply and shut off the gas supply to the furnace, if installed.
4. Remove the burner and blower doors.
5. Remove the wiring connections from the Thermal Limit (located on the front vestibule panel of the heat exchanger) and Reverse Flow switch (located in the blower compartment) in the furnace. Mark the wires if needed to properly identify the replacement.
6. Remove the Thermal Limit and Reverse Flow switches from the unit (Retain the screws). Remove the gasket under the Thermal Limit switch - if damaged.
7. Install the new gasket, Thermal Limit and Reverse Flow switches (using the screws removed in step 6) in the same locations and manner as the old switches and gasket.
8. Connect the electrical connections.
9. Re-install the burner and blower doors.
10. Reconnect the electrical and gas supply to the unit.

## Verification of Proper Operation

1. Place the thermostat in the heating mode.
2. Initiate a call for heat by raising the thermostat setting 5 degrees above the room temperature.
3. Observe the furnace: If properly wired, the following start-up sequence should be observed:
  - a. The red LED on the IFC should start a flash sequence.
  - b. The draft inducer should energize, and then the ignitor should start to glow.
  - c. After the ignitor heat up time has expired, the gas valve should be energized. Listen for the "click", the gas will then ignite.
  - d. After 45 seconds, the main blower will turn on.

When proper operation has been verified, set the thermostat back to the desired comfort set point.

4. Sign and attach the mnemonic conversion label (item #4) to the front of the blower door.