

INSTALLATION INSTRUCTIONS

High Temperature Limit Switch replacement for models HD/HDB, HDS/HDC, PTS/BTS

WARNING

1. Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death, and could cause exposure to substances which have been determined by various state agencies to cause cancer, birth defects, or other reproductive harm. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.
2. The Installation and Maintenance instructions in the appliance manual as well as the following supplemental information must be followed to provide safe, efficient and trouble-free operation. In addition, particular care must be exercised regarding the special precautions listed on page 2 of Installation and Service Manual for the appliance. Failure to properly address these critical areas could result in property damage or loss, personal injury, or death. These instructions are subject to any more restrictive local or national codes.
3. All units must be wired strictly in accordance with the wiring diagram furnished with the unit. Any wiring different from the wiring diagram could result in a hazard to persons and property.
4. All wiring must be done with a wiring material having a temperature rating of at least 105°C.
5. Gas supply shall be shut-off and the electrical power disconnected before proceeding with the repair. Failure to do so could result in fire, explosion, electrical shock, or the unit starting suddenly resulting in injury.

IMPORTANT

1. The use of this manual is specifically intended for a qualified installation and service agency. All installation and service of these kits must be performed by a qualified installation and service agency.
2. These instructions must also be used in conjunction with the Installation and Service manual originally shipped with the appliance being converted, in addition to any other accompanying component supplier literature which supersedes these instructions.

Application

This kit will provide a replacement high limit switch. In certain cases, the existing limit may be a 'stalk-mount' switch. This replacement being 'flush-mount' will require some additional installation steps as laid out herein.

Components of this kit include:

- (1) Limit Switch
- (2) #8 x1/2" Self-Drilling Screws
- (1) Limit Switch Literature 6-518

Disassembly

1. Turn off power supply to the unit heater.
2. Locate the auto-reset limit switch and remove

Replacement of Limit Switch

3. If the limit switch replacement matches the form of the previous version, use the existing holes and hardware to mount the new switch.
4. If you are replacing a flush-mount limit switch with a new stalk-mount switch, use the dimple locations to position the switch. The self-drilling screws provided in the kit can be used to mount the switch. (See Figure 1.1)
5. If you are replacing a stalk-mount limit switch with a new flush-mount limit switch, use the self-drilling screws provided in the kit to install the switch in a vertical orientation as shown in Figure 1.2.
6. Reinstall the screws from the previous limit switch into their original holes,
7. Reconnect electrical connections to switch spades.

Figure 1.1 – Stalk-Mount Switch



Figure 1.2 – Flush-Mount Switch



Modine Manufacturing Company has a continuous product improvement program, and therefore reserves the right to change design and specifications without notice.