

ZFHL - NON-INDICATING HIGH TEMP. LIMIT DEVICE

Description

This unit is used in conjunction with a primary temperature controller to cut off heat supply if preset temperature is exceeded.

The externally-set Model ZFHL is tamperproof by application of a clear acrylic dial and knob shield which is held in place by capstan cover screws. This feature permits tie-wiring for positive sealing of the protective shield. Reset button on front of cover, FM listed. *Agency recognition is void if instrument is modified from factory standard.*

Operation

The high-limit switch is positioned to desired setting by turning dial knob on the instrument cover, this is accomplished only after the acrylic dial shield is removed by withdrawing the capstan cover screws.

In response to minute temperature changes, expansion and contraction in the thermal element moves a switch actuating lever through a simple mechanical linkage. When the bulb reflects the temperature set on the dial, the limit switch is actuated, shutting down equipment, energizing the lights or sounding alarms.

Only when the process temperature drops below the dial setting can the switch be reset by pushing the reset button on the cover of the instrument.

Specifications

Dimensions	5 7/8" W x 5 7/16"H x 4 1/8" D
Mounting	Surface or panel (brackets included).
Panel Mount Cutout	4 3/4" W x 5" H
Electrical Rating	15 amps, 125 or 250 AC only.
Number of Switches	One, high limit safety switch manually resettable.
Electrical Connections	Thru terminal block located inside of instrument.
Conduit Openings	7/8" diameter opening in top of case for electrical fitting; drill-guide hole spotted in rear of case for optional rear entrance.
Agency Listing	FM
Warranty	One year, see page 80 for details.
Approx. Net Weight*	5 lbs.
Approx. Ship. Weight*	8 lbs.

*Weight may vary depending on element length.

How to Order

The proper ordering number for the ZFHL is ZF00061.

Next consult element selection matrix, page 62. Also select dial part number, see page 62. and specify as a separate line item. The dial selected must correspond to specific range of sensing element selected. The ZFHL requires a hollow (L-Type) element plunger (Code 51 or 52). High ambient temperature head assembly (Code 51) is used when the instrument will be located in ambient temperatures between 32°F but not greater than 150°F. Low ambient head assembly should be called out (Code 52) when instrument will be located in ambient temperatures between -30°F and 125°F.

Sample Order:

Description	Required Number
ZFHL	ZF00061
with dial	00603031 (from page 64)
with element	113510520 (from page 62 and 63)

For pricing see Form 3028, Mechanical Price Book, page 15.

Temp.
Limit
Switches

