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# OHL63X - NON-INDICATING HIGH TEMP. LIMIT DEVICE

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## Description

This unit incorporates element failure protection. It operates in conjunction with a primary temperature controller to provide preset positive safety shutdown of industrial heating appliances. It features fully tamperproof trip-free switch, reset button and signal light on front cover. It has both UL and FM listing. *Agency recognition is void if modified from factory standard.*

## Operation

The high limit switch is manually reset to reactuate the equipment after shutdown. It can be reset only after the temperature drops below the high-limit setting. The switch is of a trip-free design, i.e. it will not function in the event the reset button is tied or welded down, providing protection from tampering.

Designed primarily for user applications where high temperature limitations can be specified in advance of ordering, the OHL63X is always factory preset to customer requirements and the setting adjustment factory sealed to prevent unauthorized changes. *Note: the element must be purchased with instrument to have switch set correctly.* Preset limit temperature is stamped on the rating plate affixed to the side of the control case.

The element failure switch, connected in series with the high limit switch, is factory set at a point below normal ambient, at 50°F, unless otherwise specified. This switch will prevent appliance start-up if ambient temperature is lower than switch setting or if the instrument's thermal element has lost some of its fill.

A cover-mounted amber signal light remains energized during normal operation, while the light is de-energized the instant the high limit switch is activated. The instrument also is equipped with capstan cover screws through which a wire may be threaded and secured with a lead seal.

## Specifications

Dimensions	5 7/16" W x 5"H x 2 1/4" D
Mounting	Wall mounting ears on body for 1/4" screws.
Switch Type	Manual reset: #63 2-wire, N.C., trip free. Element Failure: #57, 3-wire, SPDT.
Electrical Hookup	Pigtails brought out through outlet conduit box.
Conduit Openings	Threaded 1/2-NPT inlet and outlet.
Electrical Rating	125 or 250V, AC only. 250VAC pilot duty.
Instrument Accuracy	1% of element range.
Agency Listings	UL and FM.
Warranty	One year, see page 80 for details.

## How to Order

The proper ordering number for the OHL63X is OH00080.

Next consult element selection matrix, page 62. The OHL63X requires a solid (B-Type) element plunger (Code 53 or 54). High ambient temperature head assembly (Code 53) 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 54) when instruments will be located in ambient temperatures between -30°F and 125°F.

## Sample Order:

Description	Required Number
OHL63X	OH00080
with element	113530520 (from page 62 and 63)

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

