

LFHL HIGH TEMPERATURE LIMIT CONTROL



BASIC LFHL MODEL

ACCESSORIES

Description	Code
None	0

HOW TO ORDER

First select the proper ordering number for the LFHL unit. Next consult element selection matrix, see Page 62. Select dial part number, see page 65, and specify as a separate line item. The dial selected must correspond to specific range of sensing element selected. The LFHL instrument 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 the instrument will be located in ambient temperatures between -30°F and 125°F. If the solution the sensing bulb is being immersed in is of a corrosive nature, see Form 3052, "Guide for use in Corrosive Applications".

Note: Only a certain select few ranges are applicable to the correct operation of the instrument.

Sample Order:

Description	Required Number
LFHL Unit	LF060
with Dial	00602022 (from page 65)
with element	110510520 (from page 62 and 63)

For pricing see Form 3028, Mechanical Price Book, page 11.

ABOUT THIS INSTRUMENT

Indicating
Controls

Description

Indicating high-temperature limit device which also contains a fail-safe feature in the event temperature drops below normal ambient due to damage to the thermal sensing element. A red signal light remains on as long as temperature is below the limit setting. FM and CSA listed. Flush or wall mount, only approved for the following range codes 107, 110, 113, 114, and 115.

Operation

The unit is equipped with both manual reset and element failure switches. The limit switch is set internally to prevent tampering with set point, capstan-type cover screws provide wire-sealing of the instrument. The high limit switch cannot be reactivated until temperature has dropped below limit set point. The element failure switch actuates to shut down the heating system in the event temperature drops below normal ambient due to accidental loss of operation of the sensing element. A cover mounted red signal light remains on during normal operation. The light is de-energized the instant either switch is actuated, alerting personnel to a malfunction of heating system or thermal element.

Specifications

Dimensions	8 5/8" W x 8"H x 4 9/32" D
Flush Mount Cutout	7" W x 7 3/4" H
Surface Mounting	Mounting brackets included.
Switch Type	Three-wire: SPDT High Limit: #10, manual reset Element Failure: #15, spring leaf
Switch Sensitivities	Normal 1% of range.
Electrical Connection	Terminal block accessible through top cover hatch.
Conduit Openings	1/2 inch NPS holes on each side of the case for 1/2 inch conduit fitting; drill guide hole spotted in the rear of the case showing optional rear opening location.
Electrical Rating	15 amps, 250 volts, AC.
Agency Listings	FM and CSA.
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.

