

LFP INDICATING CONTROLLER



BASIC LFP 135 5/16" MODEL

The potentiometer coil kits listed below are available. They are ordered separately and installed in the field.

Description	Part #
100 Ohm 1/8"	64403504
100 Ohm 5/16"	64403505
135 Ohm 1/8"	64403501

ACCESSORIES

Description	Code
None	0
201 Weather Resistant*	1
392 High Limit Setpoint	2
Combination of 201 and 392	3

*Requires inverted scale

HOW TO ORDER

First select the proper ordering number for the LFP 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 LFP 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 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".

Sample Order:

Description	Required Number
LFP Unit	LF030
with Dial	00601719 (from page 65)
with element	101511024 (from page 62 and 63)

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

ABOUT THIS INSTRUMENT

Description

Electric modulating potentiometer-type controller. Used with proportional positioning motors to operate modulating valves, damper systems, etc. where straight line control is required. The instrument automatically positions any of a variety of standard motor operators to provide precise temperature control without the sawtooth line characteristic of conventional on-off control. CSA listed. Flush or wall mount, available in twelve optional ranges within -30 to 1100°F.

Operation

The potentiometer coil, which moves with the red set pointer, is positioned at the control point by turning the setting knob located on the instrument cover.

The indicating pointer, moving up or down scale in response to the expansion or contraction in the thermal element, also slides the contact finger along the potentiometer coil within the modulating range.

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.		
Coil Resistant	135 ohms 5/16" width standard, other widths and resistances are optional (must be field installed)		
Coil Length, Throttling Range Available	1/8" 3.5%	5/16" 8%	5/8" 16%
Load Error Adjustment	Manual reset for load error compensation.		
Electrical Rating	Max. volts - 30; Max. watts - 3.		
Electrical Hookup	Terminal block accessible through top hatch.		
Conduit Openings	1/2 inch NPS holes on each side of the case for 1/2" conduit fitting; drill guide hole spotted in the rear of the case showing optional rear opening locations.		
Agency Listing	CSA		
Warranty	One year, see page 80 for details.		
Approx. Net Weight*	6 lbs.		
Approx Ship. Weight*	8 lbs.		

*Weight may vary depending on element length.

