

RF15-79 RECORDING TEMPERATURE CONTROL



BASIC RF15-79 MODEL

#73 switch is available in place of #79. It must be ordered separately and installed in the field.

#73 Close (1/2%) Sensitivity 64403018

CHART DRIVES (Counter Clockwise Rotation)

Description		Code
125V/60Hz	24 H	01
125V/60Hz	7 D	02
125V/60Hz	12 H	03
125V/60Hz	48 H	04
125V/50Hz	24 H	05
125V/50Hz	7 D	06
Spring wound	24 H	07
Spring wound	7 D	08
250V/50Hz	24 H	09
250V/50Hz	7 D	10
250V/60Hz	24 H	11

ACCESSORIES

Description	Code
None	0
257AP Low Limit Switch	1
Pressure Sensitive Marking Sys.	3

HOW TO ORDER

First select the proper ordering number for the RF15-79 unit. Next consult element selection matrix, see Page 62. Select chart number, see page 70 and 71, and specify as a separate line item. The chart selected must correspond to specific range of sensing element selected. The RF15-79 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: Availability of charts will limit element selection.

Sample Order:

Description	Required Number
RF15-79 Unit	RF02010
with charts	00208004 (from page 71)
with element	109510520 (from page 62 and 63)

For pricing see Form 3028, Mechanical Price Book, page 12.

ABOUT THIS INSTRUMENT

Description

This recording temperature controller incorporates two switches which operate in fixed relationship to the temperature setting. Differential between switches can be adjusted up to 5% of scale range. Like other RF series recorders, this unit has a 10" chart, may be flush or surface mounted. Unit is shipped with brackets for surface mounting operation. UL and CSA listed.

Operation

This unit incorporates two snap-setting switches mounted on a common setting arm (red pointer) and actuated by the same temperature response mechanism which moves the recording pen.

First to be actuated on a temperature rise is a leaf-type switch. The second, a pin-type switch, is actuated only when the recorded temperature exceeds the operation of the first switch.

Switches are mounted one behind the other, each having its own circuit. Temperature actuation points between the two switches (differential) is adjustable from 0 to 5 percent of scale range, with tolerance on switch settings $\pm 1/2\%$. Adjustment is made by set screws inside the instrument case.

Specifications

Dimensions	15 1/8" W x 13 3/16"H x 4 7/8" D
Chart Diameter	10 inch.
Chart Marking	Felt Tip Cartridge/optional pressure sensitive charts
Chart Drive	Electric with toggle switch, or spring wound.
Chart Rotation Periods	24 and 48 hour, 7 day, other options.
Panel Mount Cutout	13 1/2" W x 12 5/8" H
Surface Mounting	Mounting brackets included.
Switch Type	Three wire SPDT, 2 per mechanism.
Switch Sensitivities	Normal 1% of range (#79) standard. Super Sensitive (#73) 0.5% of range optional.
Electrical Hookup	Terminal block accessible with cover open.
Conduit Openings	One 7/8 inch diameter hole 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	50VA, inductive; 500VA, non inductive; 250V maximum AC only.
Agency Listings	UL and CSA.
Warranty	One year, see page 80 for details.
Approx. Net Weight*	9 lbs.
Approx Ship. Weight*	14 lbs.

*Weight may vary depending on element length.

