

RFC52 RECORDING TEMPERATURE PROGRAMMER

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BASIC RFC52 MODEL

CHART DRIVES

Description	Code
125V/60Hz 24 H	01
125V/60Hz 7 D	02

ACCESSORIES

Description	Code
None	0
250P Cam Follower Attachment	2

HOW TO ORDER

First select the proper ordering number for the RFC52 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 RFC52 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".

Sample Order:

Description	Required Number
RFC52 Unit	RF09010
with charts	00208004 (from page 71)
with element	109510520 (from page 62 and 63)

For pricing see Form 3028, Mechanical Price Book, page 14.

ABOUT THIS INSTRUMENT

Description

This instrument is a recorder with a mechanism that has single switch control capability which provides automatic temperature programming by use of a pre-cut plastic cam. An internally-mounted three-wire thermostatic relay insures extremely long switch life and often eliminates the need for an external conductor. Wall mounted (brackets furnished) or flush mounted. CSA listed.

Operation

Control point of the RFC52 is determined by a cam-follower which rides the edge of a revolving pre-cut cam and positions the snap-acting switch in accordance with the program for which the cam is shaped. Cam is configured and fabricated by the end user.

The switch is actuated by the same temperature responsive mechanism which moves the recording pen, actuated when the pen point is at the center line of the cam follower, the switch operates the three-wire thermostatic relay which handles the load.

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.
Chart Drive	Electric with toggle switch.
Chart Rotation Periods	24 hour and 7 day.
Flush Mount Cutout	13 1/2" W x 12 11/16" H
Surface Mounting	Mounting brackets included.
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.
Switch Specifications	#52 SPDT, super sensitive (1/2% of element range). Switch controls a 3-wire thermostatic relay for actual handling of electric load.
Electrical Rating	6 amps at 125VAC, inductive or non-inductive load (through 2 pole thermostatic relay contacts).
Rated Accuracy	1% of element range.
Agency Listing	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.

Recorders

