

Sub-panel Universal Digital Microprocessor Time and Temperature Control

General Description

The Series 140 is a high performance time and temperature control. It is a digital Panel Mount Thermo-timer designed to control a commercial oven. The control features two PRTD 1000 ohm inputs and one relay output, and an integrated timer. The control range is from 300 to 575F.

Sensor1 input is compared to desired user adjustable potentiometer setting and the K1 output maintains the cabinet temperature. This is an on/off control.

Sensor2 input is used to display temperature of a "meat probe"

The control has a four digit 8-segment clock display and eight tactile switches.

Input supply voltage is factory set for 10 VAC.

The control features two levels of interface. The first level will allow the user to operate timer. The second level of interface will be accessed via hidden menus and will set default control operations.



Specifications

Line Voltage: 10VAC +/-15%

Output Switching Device Options: One Mechanical Relay

Relay Options Output 1:

10A @ 120VAC / 5A @ 240VAC or

Control Mode: On/Off

Operating Ambient: 0° to 80°C (32°F to 176°F)

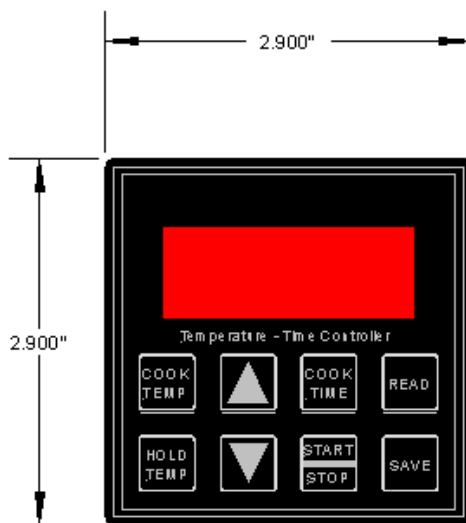
Input: Two probes

Probe Options: PRTD 1K 385 Alpha

Set-point Options: Digital

Dimensional Outline and IO

2.0 MECHANICAL LAYOUT



DESIGNATOR	TYPE	NOTES
X2-1	AC - IN	
X2-2	AC -IN	
X2-3	GROUND	
X2-4	SENSOR1	SENSOR
X2-5	SENSOR 1	SENSOR RETURN
X2-6	SENSOR 2	SENSOR RETURN
X2-7	SENSOR 2	SENSOR
X2-8	K1	NORMALLY OPEN
X2-9	K1	COMMON