

**THERMOCOUPLE TEMPERATURE FEATURES
PROCESS CONTROLLER
WITH DUAL LIMITS
MODEL 717**



- >SEE BASIC MAINFRAME ON PAGE 28 FOR STANDARD SYSTEM'S FEATURES
- >TYPE J OR K, °F OR °C CALIBRATION
- >OPEN T/C DETECTION-ALARM
- >JUNCTION & LEAD RESISTANCE COMPENSATION

NOTE: REFER TO PAGE 28 FOR DESCRIPTION OF MAINFRAME.
DESCRIPTION

The 717 plug-in board linearizes and conditions the microvolt signals from thermocouples to the +/- 2 Vdc full scale level of the A/D. Since the mainframe has capacity of +/- 20,000 counts (+/- 4 1/2 digits) and the TC temperature range is of 0 to 1260°C for type "K" and -240 to +760°C for type "J", selection of range should consider the TC limitations.

NOTE: THESE SPECIFICATIONS GOVERN OTHER APPLICABLE SPECIFICATIONS OF MAINFRAMES FOUND ON PAGE 28.
SPECIFICATIONS AT 25°C

Lead Resistance Compensation-----500 Ohms Max
Burn Out Sense Current-----0.2mA/Display Flashes
Isolation to Analog Ground-----None
Accuracy-----Type "J": +/-1.2°C; Type "K": +/-1.2°C
Junction Compensation Range-----0 to 50°C
Input Protection-----+/- 5 VDC

NOTE: Accuracy to +/- 0.1° over a specified 200° range available on request.

ORDER INFORMATION

MODEL 717 X X X

RANGE	!	!	!	POWER/RELAYS-TRIAC
--0--2000.0°C/K--!	!	!	!	!-0--5Vdc, No Relays-----
--1--2000.0°F/K--!	!	!	!	!-1--5Vdc, w/Relays-----
--2--2000.0°C/J--!	!	!	!	!-2--12Vdc, No Relays-----
--3--2000.0°F/J--!	!	!	!	!-3--12Vdc, w/Relays-----
	!	!	!	!-4--115/230Vac, no Relays----
	!	!	!	!-5--115/230Vac, w/Relays----
	!	!	!	!-6--5Vdc w/Triacs-----
	!	!	!	!-7--12Vdc w/triacs-----
	!	!	!	!-8--115/230Vac w/Triacs----
	!	!	!	! PEAK & HOLD OPTION
	!	!	!	!----0-None-----

NOTE: For best accuracy specify temperature range in 500° increments.

Connectors Included !----1-Peak & Hold-----
SPECIFICATIONS AND PRICE SUBJECT TO CHANGE WITHOUT NOTICE