

**RTD TEMPERATURE
PROCESS CONTROLLER
WITH DUAL LIMITS
MODEL 709**



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

Only the 709 offers you these features: Three zone control by using the low and high limits. Deadband of Hysteresis is indicated by Thumbwheel Switches.

Two types of RTD and, consequently, amplifiers are available, the 0.003850 OHMS/OHMS/°C DIN Standard and 0.003923 for American Standard.

NOTE: THESE SPECIFICATIONS GOVERN OTHER APPLICABLE SPECIFICATIONS OF MAIN FRAMES FOUND ON PAGE 28.

SPECIFICATIONS AT 25°C

Accuracy and Linearity-----+/-0.01% +/- 1 Digit

Temperature Coefficient-----+/-50PPM/°C

Zero & Span Adjustment-----+/- 2500 Counts

PERFORMANCE OF RTD SECTION

Resistance Lead Comp.-----Automatic to 20 OHM/Lead

Offset and Span-----Internal Adjustments

Normal Mode Rejection-----70dB at 60 Hz

FEATURES

- >SEE BASIC MAINFRAME ON PAGE 28
- FOR STANDARD SYSTEM'S FEATURES
- >DIN OR ANSI CALIBRATION
- >DETECTS OPEN/SHORT SENSOR
- >AUTOMATIC LEAD COMPENSATION

Input Type-----3 Wire, 100 OHMS at 0°C Typical
Ambient Temp. Coeffic.--+0.01 Degree/Degree,10-40°C

Open/Short XMTR Detection-----Display Flashes

*Note: The Total error is given for the 709. Worst Case Condition should consider the RTD's total error. Temperature Range limited by probe.

ORDER INFORMATION

MODEL 709 X X X

RANGE ! ! ! POWER/RELAYS-TRIAC

0+/-2000.0°C DIN--! ! !-0--5Vdc,No Relays-----

1+/-2000.0°C ASA--! ! !-1--5Vdc,w/Relays-----

2+/-2000.0°F DIN--! ! !-2--12Vdc,No Relays-----

3+/-2000.0°F ASA--! ! !-3--12Vdc,w/Relays-----

4+/-2000.0°C 100Cu! ! !-4--115/230Vac,No Relays---

5+/-2000.0°F 100Cu! ! !-5--115/230Vac,w/Relays---

PEAK & HOLD OPTION ! !-6--5Vdc w/Triacs-----

--0---None-----! !-7--12Vdc w/Triacs-----

--1---Peak & Hold---! !-8--115/230Vac w/Triacs---

SPECIFICATIONS AND PRICE SUBJECT TO CHANGE WITHOUT NOTICE