

# PROGRAMMABLE HIGH LIMIT



**STANDARD**

**ALARM TYPES**

HIGH

LOW

HIGH/LOW

LATCHING/ AUTO-RESET

SECURITY LOCKOUT-DIP SWITCH

UNIVERSAL INPUT - T/C, RTD, mV

POWER SUPPLY - 90-260VAC

UL, CSA, CE APPROVALS

**OPTIONS**

POWER SUPPLY - 11-26VAC/DC

ALARM 2

RS485 COMMUNICATION

EVENT INPUT

SENSOR POWER SUPPLY

ISOLATED 5, 12, 20V

**MODEL CODE**

**L91** -

<b>POWER</b>
4 - 90-260VAC
5 - 11-32V AC/DC
<b>INPUT</b>
1 - T/C-J,K,T,R,S or Pt100 or 0-60mV
<b>ALARM 1</b>
0 - NONE
1 - RELAY
2 - SSR DRIVE (5VDC)

<b>OPTION</b>
0 - NONE
1 - RELAY
2 - SSR DRIVE (5VDC)
7 - 20V/25mA Power Supply
8 - 12V/40mA Power Supply
9 - 5V/80mA Power Supply
A - RS-485 COMMUNICATION
B - EVENT INPUT

**SPECIFICATIONS - L91**

**1. INPUT**

Thermocouple	J, K, T, E, B, R, S, N ( IPTS68/DIN 43710)
RTD	Pt100 ohms RTD (DIN 43760/BS 1904 or JIS)
Linear Voltage (current)	0 to 60 mV configurable
Range	User configurable
Accuracy	+/-2C for T/C, +/-0.4C for RTD, _+0.05% for Linear
Sample Rate	200mS

**2. OUTPUT**

Relay	2A/240VAC resistive.
Pulsed Voltage	Isolated 5 VDC 30mA Max.

**3. POWER**

Rating	85 - 265 VAC 50/60Hz	10VA max
	11 - 26 VAC/VDC	10VA

**4. ENVIRONMENTAL**

Operating Temp	-10 - 50C
Humidity	0- 90%
Insulation	20M ohms minimum @ 500VDC
RATING	IP30

**5. PHYSICAL DIMENSIONS**

L91	48mmW x 48mmH x 94mmD
WEIGHT	150g

# MANUAL RESET HIGH LIMIT



**STANDARD**

INPUT - THERMOCOUPLE J/K  
 RANGES - 0-500°F / 0-1000°F / 0-2000°F  
 INTEGRAL RESET BUTTON  
 POWER SUPPLY - 120/208/230VAC  
 UL, cUL APPROVALS

**OPTIONS**

24VAC

## STOCK MODELS

PART#	THERMOCOUPLE	RANGE
120R-J-500F	J	0-500°F/260°C
120R-J-1000F	J	0-1000°F/500°C
120R-K-1000F	K	0-1000°F/500°C
120R-K-2000F	K	0-2000°F/1000°C

### SPECIFICATIONS - 120R

**1. INPUT**

Thermocouple J, K Thermocouple  
 Range Fixed Range  
 Accuracy 1% of span

**2. CONTROL**

Control Action Opens upon alarm condition - Manual Reset  
 Hysteresis 2°F

**3. OUTPUT**

Relay 3A/240VAC resistive.

**4. POWER**

Rating 115/230VAC, 50/60Hz

**5. ENVIRONMENTAL**

Operating Temp -0 - 70C  
 Humidity 5- 90%  
 Insulation 20M ohms minimum @ 500VDC

**6. PHYSICAL DIMENSIONS**

Size 4.1"W x 2.5"H x 2.45"