LIMIT Controller

Temperature Limit Control

- **Protects Processes and Equipment From Excessive Temperatures**
- **DIN Rail and Sub-Panel Mounting**
- **J, K Thermocouple or RTD Input**
- **Terminals Provided for Remote Pushbutton Reset**
- **Latching, Normally Energized, 3 Amp Relay Output**

Description

The LIMIT protects expensive heaters and sensitive materials from damaging over temperature conditions. It is designed for industrial and commercial applications that require high temperature protection.

The LIMIT features a Form C latching, manually resettable relay output that de-energizes whenever the sensed temperature exceeds the set point temperature.

The DIN Rail mounting feature allows quick installation without drilling or extra hardware. Slots are also provided for direct panel mounting.

Two methods are provided to reset an alarm condition. (1) The Limit alarm has a reset pushbutton on the unit and (2) reset terminals are provided for resetting the alarm from a remote pushbutton.

Features

- J,K Thermocouple or RTD Input
- Terminals Provided for Remote Pushbutton Reset
- Latching, Normally Energized, 3 Amp Relay Output

Specifications

Power Input: 120VAC or 24VAC ±15%, 50/60Hz, 3VA max. standard

Control Output: SPDT Relay rated 3.8 Amps Res. and 1.5 Amps Pilot Duty 120 VAC. 100,000 cycles.

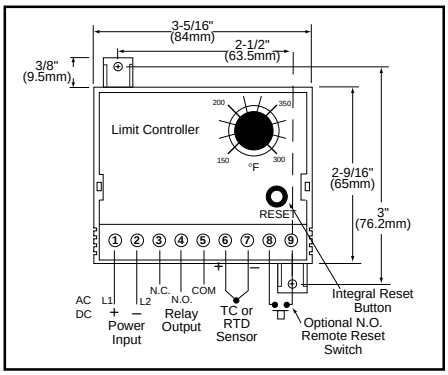
Control Mode: Latching with Manual Reset or power off.

Field Terminations: Screw Terminals with wire clamping plates and touch safe shield.

Sensor Break Protection: Contacts 4 and 5 open for thermocouple or RTD break.

Ambient Operating Temperature: 0 - 60°C (32 - 140°F).

Dimensions (Inches)



Depth = 2 1/2" (63.5 mm)

Ordering Information

Model	Stock	PCN	Temperature Range	Input Type	Input Power
LIMIT-10100	S	305699	0-1400°F	J T/C	120 Vac
LIMIT-10200	S	305701	0-2300°F	K T/C	120 Vac
LIMIT-10400	NS	305710	0-850°F	RTD	120 Vac
LIMIT-10500	NS	305728	0-750°C	J T/C	120 Vac
LIMIT-10101	NS	305736	0-1400°F	J T/C	24 Vac

Custom Controllers

Custom temperature ranges and fixed set point units are available to meet your specific application needs.