1600

1/16 DIN High/Low Limit Overtemperature Controller

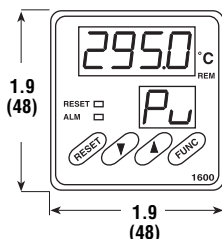- **High Limit, Low Limit or High and Low Limits**

- **Peak Temperature Detection**

- **Universal Sensor Inputs**

- **IP 65 and NEMA 4X Splashproof Faceplate**

- **Coded Security Levels**

- **Alarm Inhibit on Power-Up and Setpoint Change**

- **Three Year Warranty**

Features

- Universal Inputs, Thermocouple, RTD, mV, Vdc, mA for measurement of a wide range of process variables. For types and ranges, see 1600 Series in Section 1.

- Sophisticated LED displays of process information such as shutdown duration in hours and minutes, and maximum or minimum process value measured during a shutdown.

- Three coded security levels to protect against unauthorized operator reset and parameter adjustments.

- Logic input allows reset/acknowledgment by an external contact closure.

- IP65 and NEMA 4X faceplate.

- One relay limit output and one alarm relay

- Manual/automatic reset option on power-up or setpoint change to eliminate false alarms and shutdown (alarm masking).

- Programmable readout range -1999 to 3999.

In Stock:

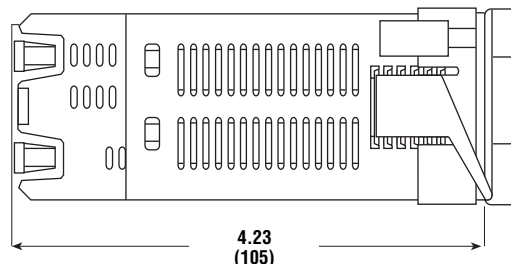| Model	PCN
1600-10030	307475
1600-11030	307483

Description

The model 1600 High/Low Limit controller is designed to provide reliable protection of processes, process equipment and personnel. This is a UL listed Overtemperature(or Undertemperature) controller, and FM approved as a limit controller. Universal sensor inputs allow the 1600 to be applied to temperature, pressure and other processes.

Versatile, easy to install and simple to operate, the 1600 provides all of the limit control functions and features of larger and more costly controllers, in a space-efficient 1/16 DIN package. With an IP65 and NEMA 4X rated faceplate, the controller is an excellent choice for washdown environments such as food processing plants.

Dimensions

1.9 (48)

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Front View

4.23 (105)

Side View

All Dimensions in Inches (mm)

Ordering Information

Complete the Model Number using the Matrix provided.

Model	1/16 DIN High/Low Limit				
1600	2 Outputs (Limit /Alarm), 4-Digit Display, Field Selectable Universal Thermocouple, RTD, Current or Voltage Inputs, Programmable Alarm, IEC 801-4 Noise Immunity, IP65 and NEMA 4X Faceplate.				

Code	Limit Output #1
1	Relay 3 Amps at 250 Vac, Form C Contact

Code	Output #2 - Alarm
0	None
1	Relay, 2 Amps at 250 Vac, Form A Contact

Code	
0	Add to complete model number

Code	Power Supply
3	100-240 Vac
5	24 Vac/dc

Code	
0	Add to complete model number

1600	-	1	1	0	3	0	Typical Model Number

Represented By: Ross & Pethtel
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