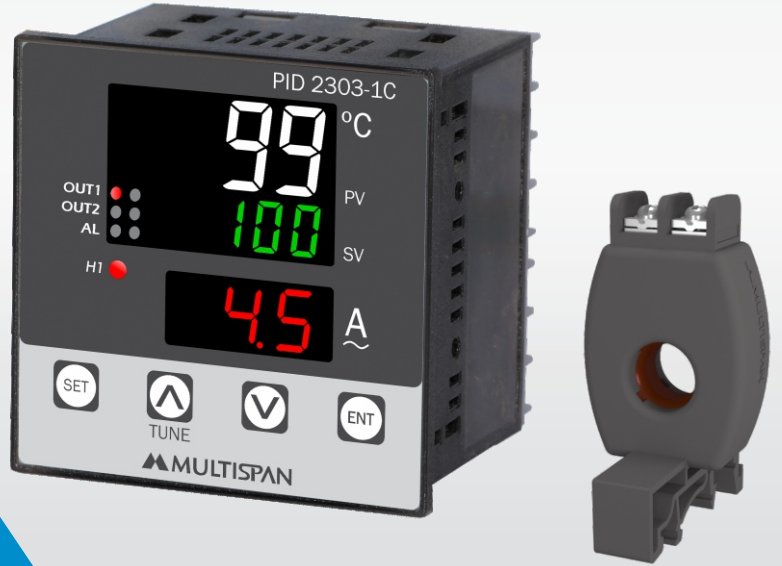


PID TEMPERATURE CONTROLLER PID-2303-1C



TECH SPECS

Model	PID-2303-1C
Dimension (HxWxD) mm	72 x 72 x 85
Panel Cutout (mm)	68 x 68
Input	Thermocouple:- J/ K (Configurable) Ampere:- 1CT
Range	Thermocouple:- J: 0 to 400° C, K: 0 to 500° C Ampere :- 0.0 to 30.0A / 0.0 to 60.0A,1CT
Output	3 Relay,1C/O 5A@230V AC For Resistive Load, & SSR 12V DC,30mA Parallel
Control Action	PID / ON-OFF (Configurable)
Mode	Relay 1:- Heating Relay 2:- Cooling Relay 3:- Alarm
Power Supply	100-250V AC (SMPS), 50/60 Hz
Certification	

APPLICATIONS

Packaging Machinery

Extrusion Machinery

Furnace & Boilers

Ovens & Incubators

Food Industry

Technical Specifications

Input	
Input Type	Thermocouple : J, K Ampere : 1CT
Display Range	Refer (Table 1)
Accuracy	± 1% of FSD
ADC Resolution	10 Bits
Display Resolution	Thermocouple : 1 °C Ampere: 0.1A
Sampling Time	600mSec
CJC Error	± 2 °C
Sensor Open	All Input
Sensor Burnout Current	1.10 uA
CMRR	>120 db (Typical)
Input Impedance	>1M
Max Voltage	20V DC
CT Input	CT Module 1 CT-30/60Amp (Factory Set)

Output	
Control Output	
Control Type	ON-OFF, Auto tune PID
Proportional Band	0000 to 999.9
Integral Time	0000 to 9999
Derivative Time	0000 to 9999
Cycle Time	4 sec to 99 sec

Relay Control Output	
Relay	3 Nos.
Rating	Relay1 : 5A @230V AC/28V DC Resistive Load Relay2 : 5A @230V AC/28V DC Resistive Load Relay3 : 5A @230V AC/28V DC Resistive Load
SSR Control Output	
Rating	12V DC @30mA

Table 1 (Sensor Range)

J	0 to 400 °C
K	0 to 500 °C
Ampere	0.0 to 30.0 A/0.0 to 60.0A

Power Supply

Standard	100 - 250V AC @ 50/60 Hz
Optional	24V DC
Consumption	6VA

Display

Process Value	UPPER:- 4 Digit 7 seg 0.56",White LED Display
Set Value	MIDDLE:- 4 Digit 7 seg 0.31",GREEN LED Display
Ampere	LOWER:- 3 Digit 7 seg 0.39",RED LED Display
LED Indication	Relay OR SSR O/P & Ampere

Environmental

Operating Temperature	0 to 55 °C
Storage Temperature	0 to 70 °C
Humidity	95% RH Non-condensing
Protection	IP 65 (Front Side)

Keys

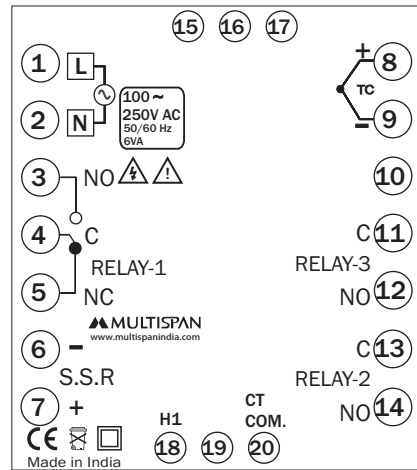
4 controlling keys for configuration and operation
SET, UP, DOWN, ENT

Physical

PID-2303-1C

Enclosure	Molded ABS
Weight	250gm
Color	Black
Front Bezel (mm)	72 x 72
Panel cutout (mm)	68 x 68
Depth behind panel	85 mm
Accessories	1 pair of Mounting clamp
Terminal Cable Size	Barrier Type terminal Cable Size (2.5 mm ²)
Current Transformer (CT)	
Dimension (HxWxD) mm	43.5 x 29.5 x 45.5
Mounting	Rail Mounting
Inner Diameter (mm)	6.3
Screw Torque	0.4Nm
CT Input	Primary :- 30A CT Secondary :- 12mA

Terminal Connection



Calculated Parameters

Outline Dimension (mm)	Panel Cutout Dimension (mm)

Multispan reserves the right to change specifications without prior notice. Printing and typographical errors reserved.
Product improvement and upgrade is a constant procedure. So for more updated operating information & support contact us.

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