



# TEMPERATURE CONTROLLER

UTC 4203

## APPLICATIONS

Packaging Machinery

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Extrusion Machinery

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Furnace & Boilers

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Ovens & Incubators

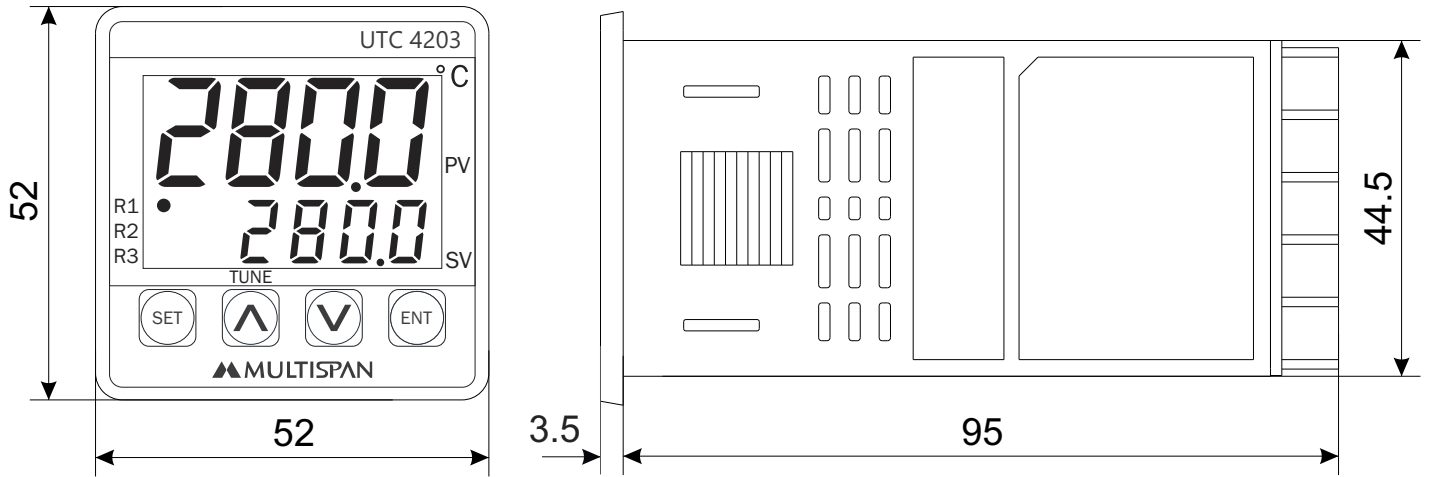
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Food Industry

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# Mechanical Dimensions

## Body Dimensions

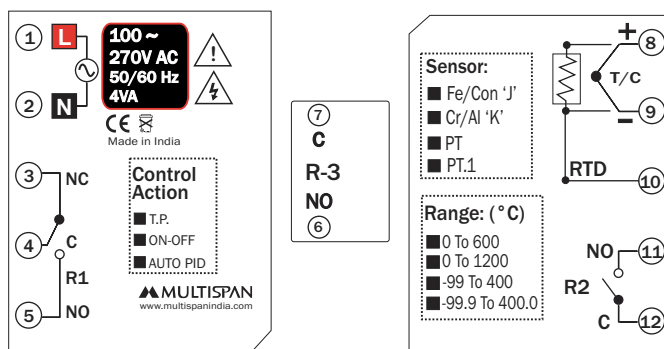


### FRONT VIEW

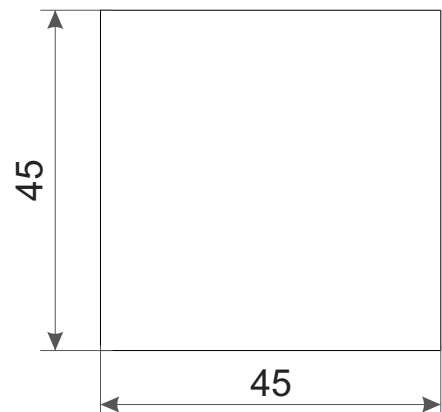
All dimensions are in mm

### RIGHT SIDE VIEW

## Connection Diagram



## Panel Cutout



# TECHNICAL DATA

<b>Input Current</b>	Thermocouple:- J / K (Configurable) RTD :- PT-100 3Wire /2Wire
<b>Range</b>	Thermocouple:- J: 0 - 600 °C, K: 0 to 1200 °C RTD :- PT-100: -99 to 400 °C/ PT.1: -99.9 to 400.0 °C
<b>Output</b>	3 Relay 1 C/O Contact, 5A@230V AC
<b>Control Action</b>	PID / TP/ ON-OFF ( Configurable )
<b>Power Supply</b>	100-270V AC, 50/60 HZ
<b>Certification</b>	CE

Input	
<b>Input Type</b>	Thermocouple : J, K RTD : PT-100, PT.1
<b>Display Range</b>	Refer ( Table 1 )
<b>Accuracy</b>	± 1% of FSD
<b>ADC Resolution</b>	10 Bits
<b>Display Resolution</b>	J/K,PT-100 = 1 °C PT.1 = 0.1 °C
<b>Sample Rate</b>	600 msec

Output	
<b>Heating</b>	1) PID Control with Auto-Tuning 2) TP/ON-OFF Control
<b>Cooling</b>	1) BL.TP (Blower Time Proportional) 2) TP/ON-OFF Control
<b>Alarm</b>	Inband, Absolute Outband, High,Absolute Low

Output	
Relay Control Output	
<b>Relay</b>	3 Relay 1C/O
<b>Rating</b>	5A @230V AC Resistive Load

Table 1 ( Sensor Range )	
<b>J</b>	0 to 400 °C
<b>k</b>	0 to 1200 °C
<b>PT-100</b>	-99 to 400 °C,
<b>PT.1</b>	-99.9 to 400.0 °C

Display (Table 1)	
<b>Process Value</b>	Upper:- 4 Digit 7 seg 0.56" Red LED Display Lower:- 4 Digit 7 seg 0.33" Green LED Display
<b>Key</b>	Relay Indication LED

Power Supply	
<b>Power Supply</b>	100 to 270V AC, 50/60Hz
<b>Optional</b>	24V DC
<b>Consumption</b>	4VA

### Environmental Characteristics

Working Temperature	0 to 55 °C
Storage Temperature	0 to 55 °C
Relative Humidity	95% RH Non-condensing

### Mechanical Characteristics

Mounting Type	Panel Mount	
Dimension (HxWxD) mm	52 x 52 x 95	
Panel Cutout (HxW) mm	45 x 45	
Material	Body	Polycarbonate (PC)
Terminal Screw Size	M3.5	
Screw Torque (N.m)	0.5	
Wire Gauge (AWG)	26-14	
Weight (Approx) gms	Unpacked : 150 Packed : 180	
Accessories	1 Mounting Clamp	