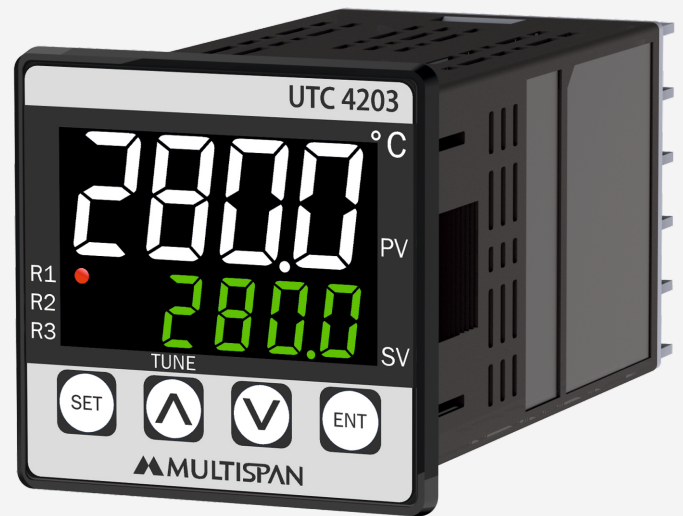




TEMPERATURE CONTROLLER

UTC 4203

APPLICATIONS

Packaging Machinery

Extrusion Machinery

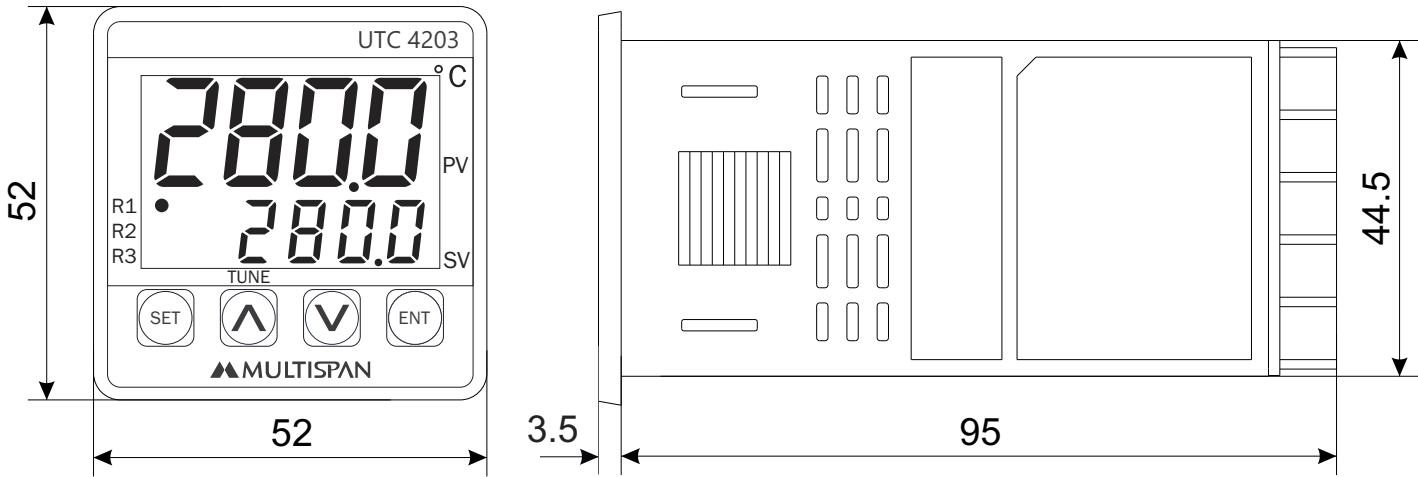
Furnaces & Boilers

Ovens & Incubators

Food Industry

Mechanical Dimensions

Body Dimensions

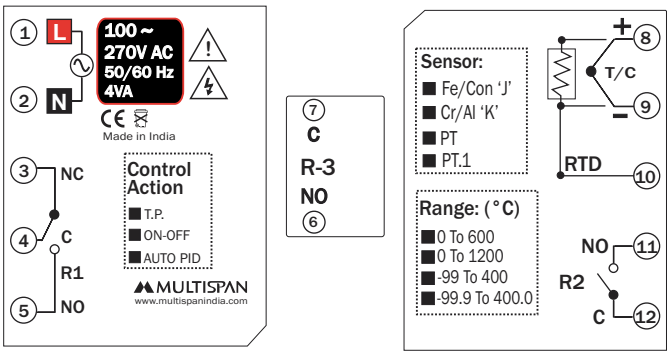


FRONT VIEW

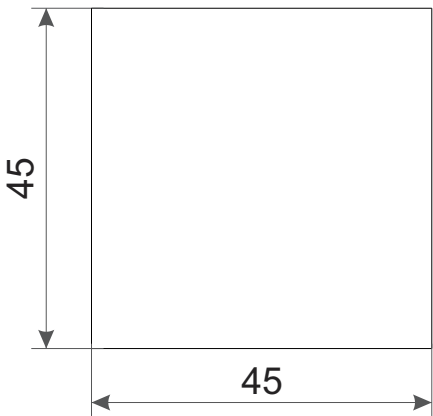
All dimensions are in mm

RIGHT SIDE VIEW

Connection Diagram



Panel Cutout



TECHNICAL DATA

Input Current	Thermocouple:- J / K (Configurable) RTD :- PT-100 3Wire /2Wire
Range	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
Output	3 Relay 1 C/O Contact, 5A@230V AC
Control Action	PID / TP/ ON-OFF (Configurable)
Power Supply	100-270V AC, 50/60 HZ
Certification	CE

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

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

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

Table 1 (Sensor Range)	
J	0 to 600 °C
k	0 to 1200 °C
PT-100	-99 to 400 °C,
PT.1	-99.9 to 400.0 °C

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

Power Supply	
Power Supply	100 to 270V AC, 50/60Hz
Optional	24V DC
Consumption	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	