



48 x 48mm

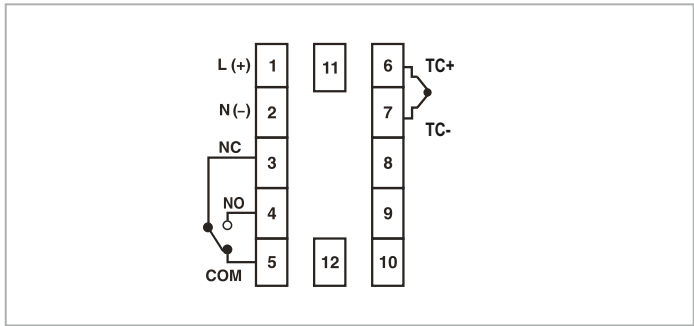
Features :

- ▶ 3 Digits, 7 Segment LED single display
- ▶ J, K, TC input
- ▶ ON - OFF / PID control
- ▶ Auto tuning
- ▶ Single set point
- ▶ °C / °F selectable
- ▶ Field selectable control output (Relay or SSR)

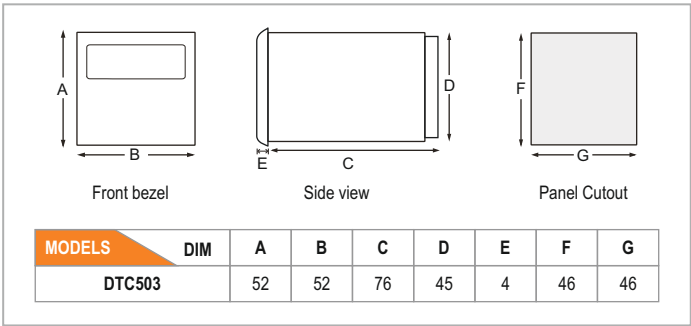
Technical specifications

Display specifications	
Display	3 digits 7 Segment LED dual display
Height of display	10mm
LED indication	R : Control output ON
Input specifications	
Inputs	Thermocouple (J, K)
Resolution	Fixed 1°
Indication accuracy	For J, K & T inputs : 0.25% of F.S. $\pm 1^{\circ}\text{C}$
Temperature unit	°C / °F selectable
Input filter (FTC)	0.2 to 10.0sec
Sampling time	250 ms
Output specifications	
Relay contact (SPDT)	10A @ 230V AC / 30V DC, resistive
Functional specifications	
Control action	1) PID Control 2) ON-OFF control
Proportional band (P)	1 to 400°C
Integral time (I)	0.0 to 99.9 min
Derivative time (D)	0 to 999 sec
Cycle time	0.1 to 99.9 sec
Hysteresis width	0.1 to 99.9°C
Manual reset value	-19.9 to 19.9°C / °F
Auxiliary supply specifications	
Supply voltage	90 to 270V AC / DC (50 / 60Hz)
Power consumption	6 VA max @ 230V AC
Environment specifications	
Temperature	Operating : 0°C to 50°C (32 to 122°F); Storage : 20°C to 75°C (-4 to 167°F)
Humidity (non - condensing)	95% RH
Mechanical specifications	
Mounting	Panel
Weight	111 gms

Terminal connections



Dimensions (All are in mm)



Ordering information

Product Code	Output 1	Supply Voltage	Certification
DTC503	RELAY (10A)	90 to 270V AC / DC	---