



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

Display specifications

Display	3 Digits, 7 Segment LED single display Height of display 10mm
LED indications	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. ±1°C
Temperature unit	°C / °F selectable
Input filter (FTC)	0.2 to 10.0 sec
Sampling time	250 ms

Output specifications

Relay contact (SPDT)	10A @ 250V AC / 30V DC, Resistive
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Functional specifications

Control action	1) PID control 2) ON - OFF control
Proportional band (P)	1 to 400°C, 1.0 to 752.0 °F
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	85 to 270V AC / DC (50 / 60Hz)
Power consumption	6 VA max @ 230V AC

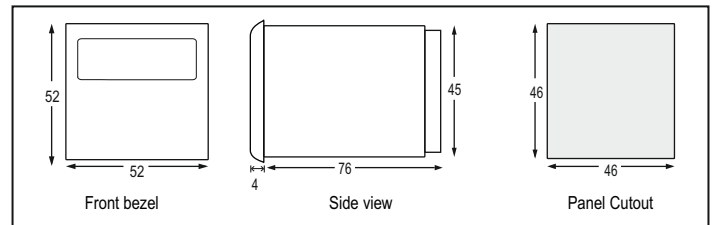
Environmental specifications

Temperature	Operating : 0 to 50°C (32 to 122°F) Storage : 20 to 75°C (-4 to 167°F)
Humidity (non - condensing)	95% RH

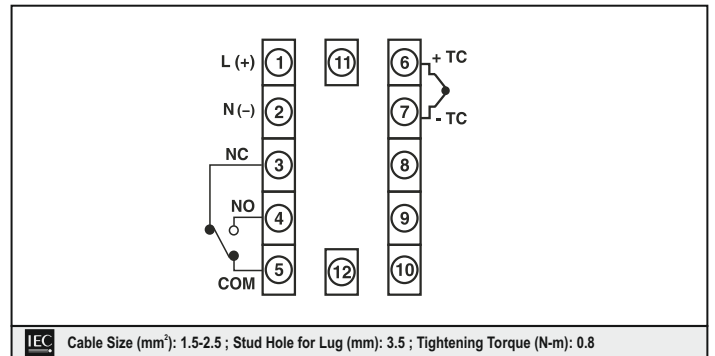
Mechanical specifications

Mounting	Panel
Weight	111 gms

Dimensions (All are in mm)



Terminal connections



Ordering information

Product code	Output 1	Supply voltage	Certification
DTC503	RELAY	85 - 270V AC / DC	---

Mounting accessories (Supplied with units)

For 48 x 48 Collar clamp	ACL4802
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