




Features:

- Dual Display, 3 digit, 7 segment LED
- TC/RTD Inputs
- PID, ON/OFF Control
- Single Setpoint
- °C / °F Selectable
- Field selectable Control Output (Relay or SSR)
- Easy to use

Size: 48mm x 48mm

Certifications: CE 

Technical Specifications

Display

Digits	3 digit 7 Segment LED, Dual display Height of Upper Display : 0.3785" Height of Lower Display : 0.2720"
LED Indications	Control output ON

Input Specifications

Inputs	Thermocouple (J,K,T,R,S) / RTD (Pt100)
Sampling time	250 ms
Input Filter (FTC)	0.2 to 10.0 sec
Resolution	Fixed 1°
Temperature Unit	°C / °F selectable
Indication Accuracy	For J, K & T inputs: 0.25% of F.S. ±1° For R & S inputs: 0.5% of F.S. ±2° (20 min of warm up time for TC inputs) For RTD inputs: 0.1% of F.S. ±1° (F.S. = Full Scale)

Output Specifications

Contact Rating (SPDT)	10A @ 250V AC / 30V DC, resistive
SSR Drive (Voltage Pulse)	12V DC, 50mA

Functional Specifications:

Control Action	1) PID 2) ON-OFF
Proportional Band (P)	1 to 400°
Integral Time (I)	0.0 to 99.9 min
Derivative Time (D)	0 to 200 sec
Cycle Time	0.1 to 99.9 sec
Hysteresis Width	0.1 to 99.9°
Manual Reset Value	-19.9 to 19.9°

Supply Voltage

Supply Voltage	85 to 270V AC/DC (50 / 60Hz)
Power Consumption	5VA max @ 230V AC

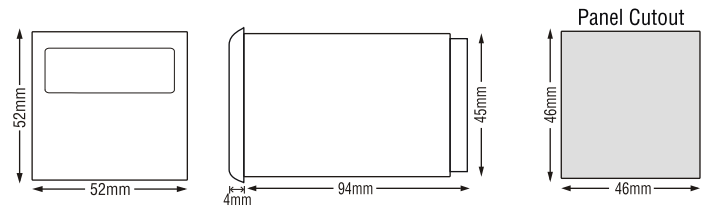
Environmental Specifications

Temperature	Operating: 0 to 50°C (32 to 122°F) Storage: -20 to 75°C (-4 to 167°F)
Humidity (non-condensing)	95% RH
Weight	129 gms
Protection Level	IP65 for faceplate

Compliance

IEC/EN 61326 (EMI/EMC)
IEC/EN 61010 Revision3 2010 Edition (Safety)
UL 61010 Revision3 2010 Edition (Safety)

Dimensions



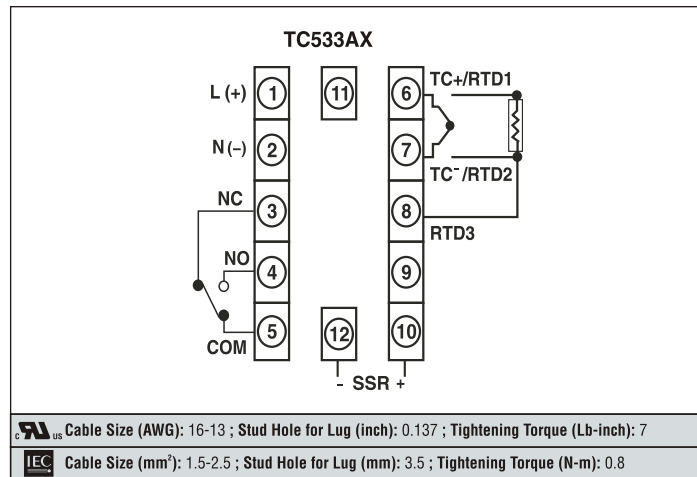
Mounting Accessories (Supplied with units)

For TC533 : 48 X 48 Collar clamp ACL4802
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Input Sensor Ranges

Sensor type	Resolution	Ranges
		1
Pt100	°C	-150 to 850
	°F	-199 to 999
J	°C	-199 to 750
	°F	-199 to 999
K	°C	-199 to 999
	°F	-199 to 999
T	°C	-199 to 400
	°F	-199 to 750
R & S	°C	0 to 999
	°F	32 to 999

Terminal Connections



Ordering Information

This product is CE certified. Also available with UL marking against order. Please order as per the requirement.

Part No.	Output		Supply Voltage
	Relay	12V DC SSR	
TC533AX	Relay	12V DC SSR	85 - 270V AC/DC

UL approved part numbers

Part No.	Output		Supply Voltage	Certification
	Relay	12V DC SSR		
TC533AX-CU	Relay	12V DC SSR	85 - 270V AC/DC	CE

Accessories (Optional)

Standard SELEC accessories that can be used with this product.

Adapter plate

- 1) AP7248 : Plastic adapter plate, used to mount 1/16 DIN (cutout size 48 x 48) Instrument into existing (72 x 72) cutout size.
- 2) AP9648 : Plastic adapter plate, used to mount 1/16 DIN (cutout size 48 x 48) Instrument into existing (96 x 96) cutout size.
- 3) AP4896-4848-G-C : Plastic adapter plate, used to mount 1/16 DIN (cutout size 48 x 48) Instrument into existing (48 x 96) cutout size.