





**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:  

**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

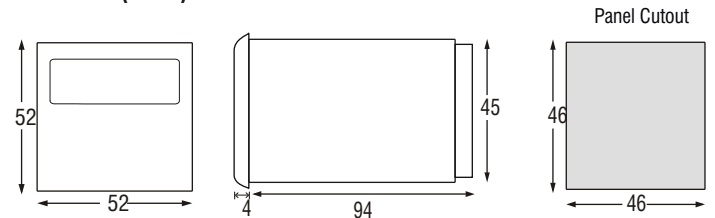
**Environmental Specifications**

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 (in mm)**



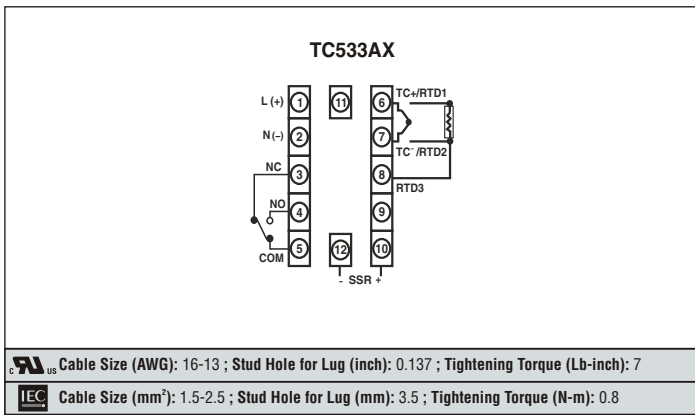
**Mounting Accessories** (Supplied with units)

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
	TC533AX	Relay	

UL approved part numbers

Part No.	Output		Supply Voltage	Certification
	TC533AX-CU	Relay		

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.