



**Features:**

- 4 Digit 7 Segment LED
- Basic Scalable Indicator
- TC / RTD / Analog Input
- °C / °F Selectable

Size: 1/8 DIN, 48mm x 96mm

Certifications:

**Technical Specifications**

**Display**

Digits	4 digit 7 Segment LED Height of Display 0.56"
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**Input Specifications**

Inputs	Thermocouple (J,K,T,R,S) RTD (Pt100) DC Analog Inputs (-5 to 56mV, 0 to 10V, 0/4 to 20mA)
Resolution	1 / 0.1° for TC/RTD only ( Fixed 1° resolution for R & S type TC) Decimal point position selectable: 1/0.1/0.01/0.001 for analog input
Temperature Unit	°C / °F selectable
Indication Accuracy	For TC 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° For Analog inputs: ±0.5% of F.S., ± 1 digit (F.S. = Full Scale)

**Output Specifications**

Sensor Supply	24V DC, 30 mA
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**Supply Voltage**

Supply Voltage	85 to 270V AC/DC (50 / 60Hz) Optional - 24V DC, ±10%
Power Consumption	5VA max @230V AC

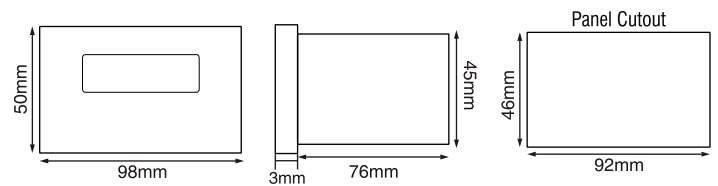
**Environmental Specifications**

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	200 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)

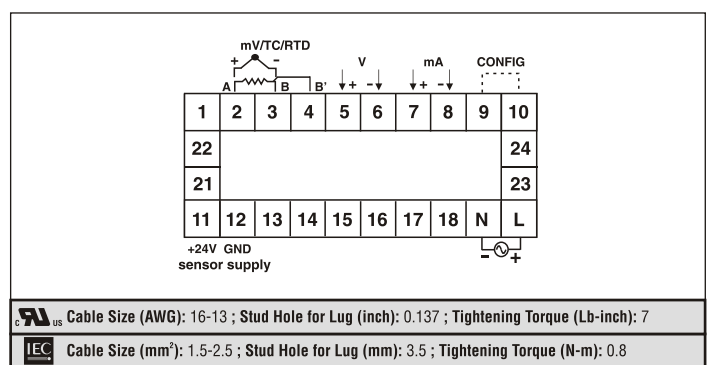
**Dimensions**



**Mounting Accessories** (Supplied with units)

Clamp side with screw assembled
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**Terminal Connections**



Cable Size (AWG): 16-13 ; Stud Hole for Lug (inch): 0.137 ; Tightening Torque (Lb-inch): 7
Cable Size (mm²): 1.5-2.5 ; Stud Hole for Lug (mm): 3.5 ; Tightening Torque (N-m): 0.8

### Input Ranges (For TC/RTD input)


Resolution Sensor Type		Ranges	
		1	0.1
Pt100	°C	-150 to 850	-150 to 850
	°F	-238 to 1562	-199 to 999
J	°C	-199 to 750	-199 to 750
	°F	-328 to 1382	-199 to 999
K	°C	-199 to 1350	-199 to 999
	°F	-328 to 2462	-199 to 999
T	°C	-199 to 400	-199 to 400
	°F	-328 to 750	-199 to 750
R & S	°C	0 to 1750	N/A
	°F	32 to 3182	N/A

### Ordering Information

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

Part No.	Supply Voltage
PIC101N	85 - 270V AC/DC
PIC101N-24V	24V AC/DC

### UL approved part numbers

Part No.	Supply Voltage	Certification
PIC101N-CU	85 - 270V AC/DC	CE 
PIC101N-24V-CU	24V AC/DC	CE 