



Features :

- 4 Digits 7 Segment LED Single Display
- Basic Scalable Indicator
- Universal Input
- °C / °F Selectable

Certifications :

Display Specifications

Display	4 Digits 7 Segment LED Single Display Height of Display 0.5"
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Input Specifications

Inputs	Thermocouple (J, K, T, R, S) RTD (PT100) DC Analog inputs (0 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
Indication Accuracy	Temperature : 0.25% of span 1°C (After 20min. Warmup)
Temperature Unit	°C / °F selectable

Output Specifications

Sensor Supply	24V DC, 30 mA
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Auxiliary Supply Specifications

Supply Voltage	90 to 270V AC / DC (50 / 60Hz) Optional - 24V DC, ±10%
Power Consumption	5 VA max @ 230V AC

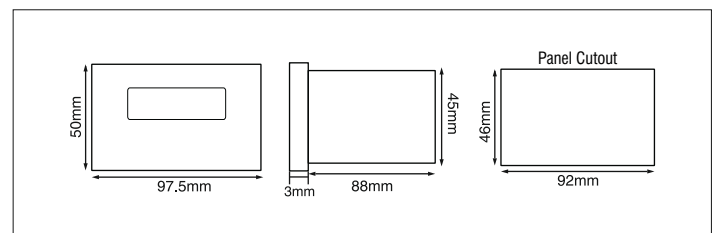
Environmental Specifications

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

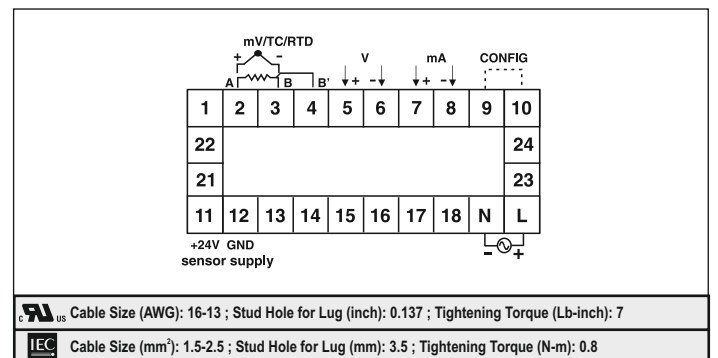
Mechanical Specifications

Mounting	Panel Mount
Weight	250 gms

Dimensions



Terminal Connections



Ordering Information

PRODUCT CODE	SUPPLY VOLTAGE	CERTIFICATION
PIC101N	90 - 270V AC / DC	
PIC101N-24V	24V DC	
PIC101N-CU	90 - 270V AC / DC	

Compliance

Applicable EMI / EMC Standards		
Product Standard : IEC 61326-1		
Category		Standards Compliance
ESD Immunity	IEC 61000-4-2	Level III
Surge Immunity	IEC 61000-4-5	+/- 2 kV common mode, +/- 1 kV differential mode
Radiated Susceptibility	IEC 61000-4-3	Level III, 80 to 1000MHz Level II, 1.4GHz to 2GHz Level I, 2GHz to 2.7GHz
Conducted Susceptibility	IEC 61000-4-6	Level II
Voltage Dips and Interruptions	IEC 61000-4-11	Dips : 0% residual voltage / 1 cycle (Criteria B), 40% residual voltage / 10 cycles 50Hz / 12 cycles 60Hz (Criteria C) 70% residual voltage / 25 cycles 50Hz / 30 cycles 60Hz (Criteria C) Interruptions : 0% residual voltage / 250 cycles 50Hz / 300 cycles 60Hz (Criteria C)
Conducted Emission	CISPR-11	
Radiated Emission	CISPR-11	
Electrical Fast Transient	IEC 61000-4-4	Level III

Mounting Accessories (Supplied with units)

Clamp side with screw assembled

Input Sensor Ranges (For TC / RTD Inputs)

Sensor Type	Resolution	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