Process Indicator

PIC101N

48 x 96mm

Features :

- 4 Digits, 7 Segment LED single display
- Basic scalable indicator
- Universal input
- °C/°F selectable
- 24 VDC sensor supply

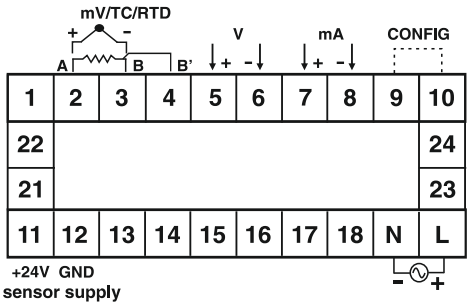
Certifications: CE cULus

Technical specifications

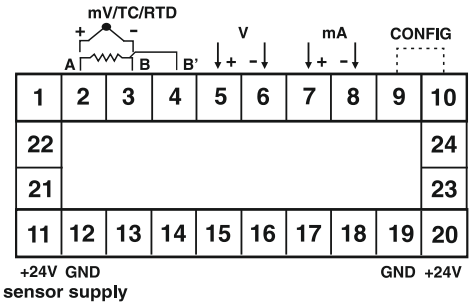
Display specifications	
Display	4 Digits 7 Segment LED single display
Height of display	12.7 mm
Input specifications	
Inputs	Thermocouple (J, K, T, R, S) RTD (PT100), DC Analog inputs (0 to 56mV, 0 to 10V, 0/ 4 to 20mA)
Resolution	1/ 0.1° for TC/ RTD only (fixed 1° resolution for R & S type TC) Decimal 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	24 VDC, 30 mA
Auxiliary supply specifications	
Supply voltage	90 to 270 VAC/ DC (50/ 60Hz) Optional: 24 VDC, ±10%
Power consumption	5 VA max @ 230 VAC
Environment specifications	
Temperature	Operating: 0°C to 50°C (32 to 122°F); Storage: - 20°C to 75°C (- 4 to 167°F)
Humidity (non - condensing)	95% RH
Mechanical specifications	
Mounting	Panel
Weight	250 gms

Terminal connections

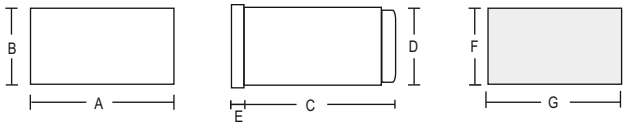
1) 230V SUPPLY



2) 24V SUPPLY



Dimensions (All are in mm)



MODEL / DIM	A	B	C	D	E	F	G
PIC101N	97.5	50	88	45	3	46	92

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 cycles50Hz / 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

Ordering information

Product code	Supply voltage	Certification
PIC101-N	90 to 270 VAC/ DC	CE
PIC101N-24V	24 VDC	CE
PIC101N-CU	90 to 270 VAC/ DC	CE cULus