



Features:

- 4 Digit 7 Segment LED
- LED Status Indicator: Alarm ON
- TC / RTD / Analog Inputs
- °C / °F Selectable
- 4 Alarm Outputs
- Sensor Supply
- Optional Features
 - Retransmission Output
 - RS485 Communication

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

Certifications:

Technical Specifications

Display

Digits	4 digit 7 Segment LED Height of Display 0.56"
LED Indication	Alarm ON (2 Nos)

Input Specifications

Inputs	Thermocouple (J,K,T,R,S,C,E,B,N,L,U,W, Platinel II), RTD (Pt100, Pt100) DC Analog Inputs (-5 to 56mV, 0 to 100mV, 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

Alarm	
Contact Rating (SPST)	5A @ 250V AC or 24V DC, resistive
Retransmission (Optional)	4 to 20 mA DC, 0 to 10V DC
Sensor Supply	24V DC, 30 mA

Supply Voltage

Supply Voltage	85 to 270V AC/DC (50 / 60Hz) Optional - 24V DC, ±10%
Power Consumption	6VA max @230V AC

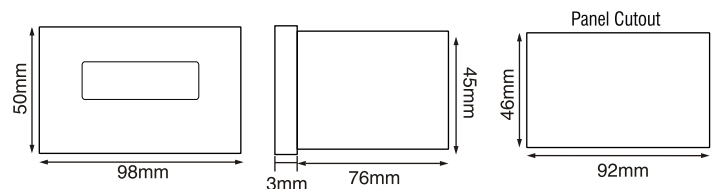
Environmental Specifications

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	260 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)

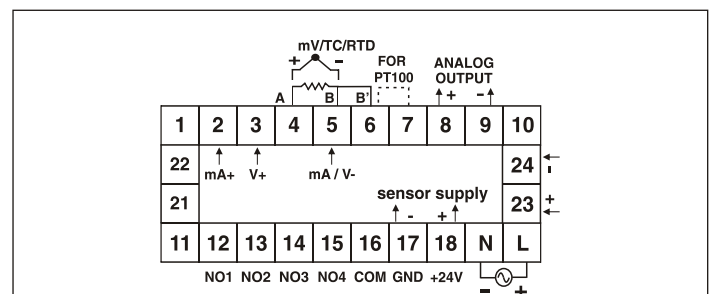
Dimensions



Mounting Accessories (Supplied with units)

Clamp side with screw assembled

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

Optional Specifications #2:

SERIAL COMMUNICATION	
Interface standard	RS485
Communication address	1 to 99, maximum of 32 units per line
Transmission mode	Half duplex
Transmission protocol	MODBUS RTU
Transmission distance	500 m maximum
Transmission speed	9600, 4800, 2400, 1200, 600, 300 bits/sec

#2 Optional specifications depend on the type of unit ordered.

Input Ranges (For TC/RTD input)












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

Ordering Information

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

Part no.	Retransmission Output	Communication	Supply Voltage
PIC1000N-A	---	---	85 - 270V AC/DC
PIC1000N-A-24V	---	---	24V DC
PIC1000N-D-2	4-20mA	---	85 - 270V AC/DC
PIC1000N-D-2-24V	4-20mA	---	24V DC
PIC1000N-E-1	0-20mA	RS485	85 - 270V AC/DC
PIC1000N-E-1-24V	0-20mA	RS485	24V DC
PIC1000N-E-2	4-20mA	RS485	85 - 270V AC/DC
PIC1000N-E-2-24V	4-20mA	RS485	24V DC
PIC1000N-E-3	0-5V	RS485	85 - 270V AC/DC
PIC1000N-E-3-24V	0-5V	RS485	24V DC
PIC1000N-E-4	0-10V	RS485	85 - 270V AC/DC
PIC1000N-E-4-24V	0-10V	RS485	24V DC

UL approved part numbers

Part no.	Retransmission Output	Communication	Supply Voltage	Certification
PIC1000N-A	---	---	85 - 270V AC/DC	CE 
PIC1000N-A-24V	---	---	24V DC	CE 
PIC1000N-D-2	4-20mA	---	85 - 270V AC/DC	CE 
PIC1000N-D-2-24V	4-20mA	---	24V DC	CE 
PIC1000N-E-1	0-20mA	RS485	85 - 270V AC/DC	CE 
PIC1000N-E-1-24V	0-20mA	RS485	24V DC	CE 
PIC1000N-E-2	4-20mA	RS485	85 - 270V AC/DC	CE 
PIC1000N-E-2-24V	4-20mA	RS485	24V DC	CE 
PIC1000N-E-3	0-5V	RS485	85 - 270V AC/DC	CE 
PIC1000N-E-3-24V	0-5V	RS485	24V DC	CE 
PIC1000N-E-4	0-10V	RS485	85 - 270V AC/DC	CE 
PIC1000N-E-4-24V	0-10V	RS485	24V DC	CE 