



Features:

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

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

Certifications:

Technical Specifications

Display

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

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

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

Functional Specifications:

Alarms	2
Alarm Modes	High alarm, Low alarm, Band, Fail output and Fault diagnosis
Hysteresis	0.1 to 99.9°
Annunciator	Programmable
Reset Action	Automatic or Latched

Supply Voltage

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

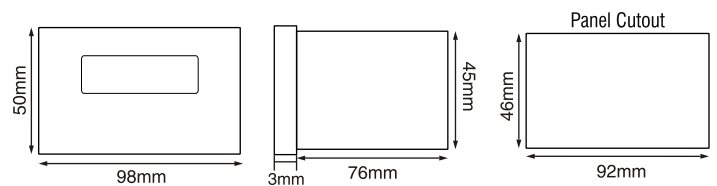
Environmental Specifications

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	240 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)

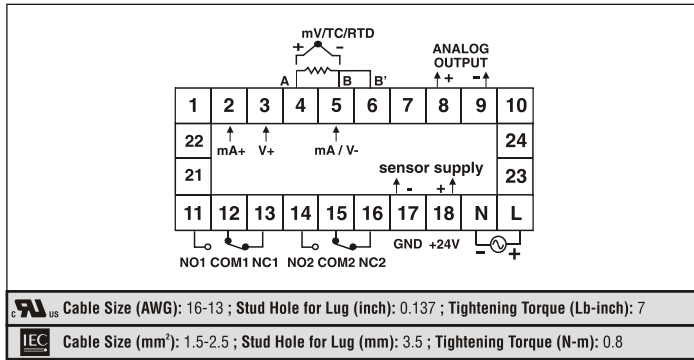
Dimensions



Mounting Accessories (Supplied with units)

Clamp side with screw assembled

Terminal Connections



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	Alarm Output	Supply Voltage
PIC152N-A	---	2 Alarms	85 - 270V AC/DC
PIC152N-A-24V	---	2 Alarms	24V DC
PIC152N-B-1	0-20mA DC	2 Alarms	85 - 270V AC/DC
PIC152N-B-1-24V	0-20mA DC	2 Alarms	24V DC
PIC152N-B-2	4-20mA DC	2 Alarms	85 - 270V AC/DC
PIC152N-B-2-24V	4-20mA DC	2 Alarms	24V DC
PIC152N-B-3	0-5V DC	2 Alarms	85 - 270V AC/DC
PIC152N-B-3-24V	0-5V DC	2 Alarms	24V DC
PIC152N-B-4	0-10V DC	2 Alarms	85 - 270V AC/DC
PIC152N-B-4-24V	0-10V DC	2 Alarms	24V DC

UL approved part numbers

Part No.	Retransmission Output	Alarm Output	Supply Voltage	Certification
PIC152N-A-CU	---	2 Alarms	85 - 270V AC/DC	CE .
PIC152N-A-24V-CU	---	2 Alarms	24V DC	CE .
PIC152N-B-1-CU	0-20mA DC	2 Alarms	85 - 270V AC/DC	CE .
PIC152N-B-1-24V-CU	0-20mA DC	2 Alarms	24V DC	CE .
PIC152N-B-2-CU	4-20mA DC	2 Alarms	85 - 270V AC/DC	CE .
PIC152N-B-2-24V-CU	4-20mA DC	2 Alarms	24V DC	CE .
PIC152N-B-3-CU	0-5V DC	2 Alarms	85 - 270V AC/DC	CE .
PIC152N-B-3-24V-CU	0-5V DC	2 Alarms	24V DC	CE .
PIC152N-B-4-CU	0-10V DC	2 Alarms	85 - 270V AC/DC	CE .
PIC152N-B-4-24V-CU	0-10V DC	2 Alarms	24V DC	CE .