



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. $\pm 1^\circ$ For R & S inputs: 0.5% of F.S. $\pm 2^\circ$ (20 min of warm up time for TC inputs) For RTD inputs: 0.1% of F.S. $\pm 1^\circ$ For Analog inputs: $\pm 0.5\%$ 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, $\pm 10\%$
Power Consumption	6VA max @230V AC

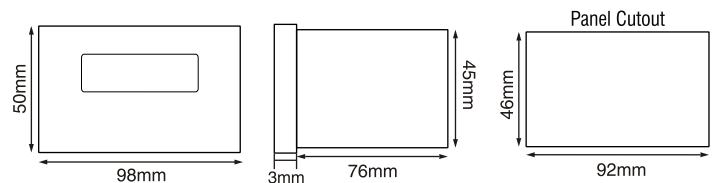
Environmental Specifications

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



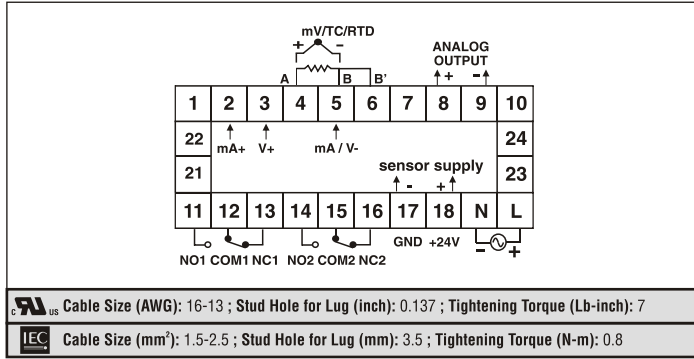
Mounting Accessories (Supplied with units)

Clamp side with screw assembled

PIC152N

Standard Process Indicator

Terminal Connections



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.	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