



48 x 96mm

Features :

- 4 Digits, 7 Segment LED single display
- LED Status Indicator : Alarm ON
- TC / RTD / Analog Inputs
- °C / °F Selectable
- 2 Alarm Outputs
- 24V DC Sensor Supply
- Retransmission Output

Certification :  in process

Display Specifications

Display	4 digits 7 Segment LED single display Height of Display 0.5"
LED Indications	Alarm ON (2 Nos)

Auxiliary Supply Specifications

Supply Voltage	85 to 270V AC / DC (50 / 60Hz) Optional : 24V DC
Power Consumption	6 VA max @ 230V AC

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
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)
Temperature Unit	°C / °F selectable

Environmental Specifications

Temperature	Operating : 0 to 50°C (32 to 122°F) Storage : -20 to 75°C (-4 to 167°F)
Humidity (non-condensing)	85% RH
Weight	220 gms

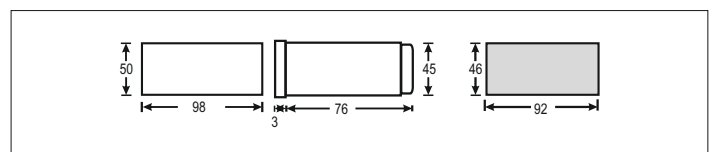
Mechanical Specifications

Mounting	Panel
Weight	220 gms

Output Specifications

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

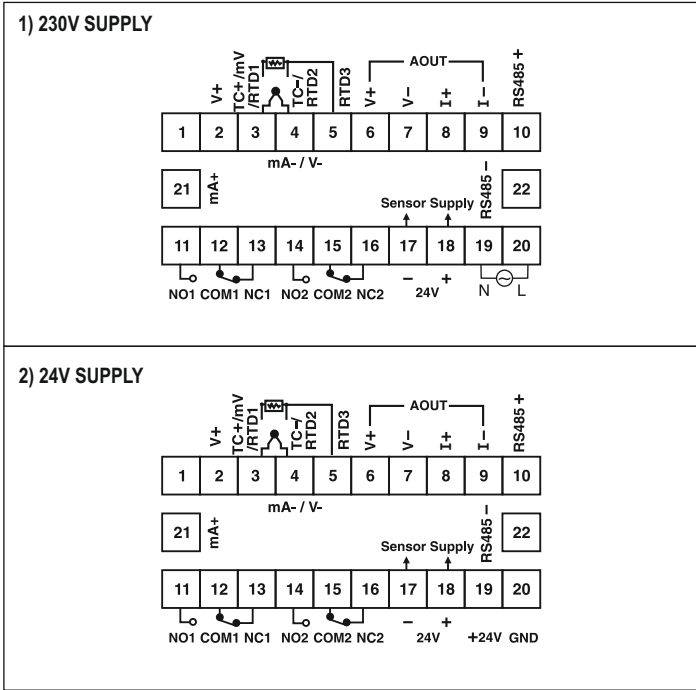
Dimensions



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

Terminal Connections



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

Ordering Information

Product Code	Retransmission	Communication (RS485)	Supply Voltage	Certification
PIC152A-VI	Universal	---	85 - 270V AC / DC	—
PIC152A-VI-CE	Universal	---	85 - 270V AC / DC	CE
PIC152A-VI-C	Universal	Yes	85 - 270V AC / DC	—
PIC152A-VI-C-CE	Universal	Yes	85 - 270V AC / DC	CE
PIC152A-VI-24V	Universal	---	24V DC	—

Mounting Accessories (Supplied with units)

Clamp side with screw assembled

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