Process Indicator

PIC152A-VI



48 x 96mm

Features :

- 4 Digits, 7 Segment LED single display
- LED status indicator: Alarm ON
- Universal input
- °C/°F selectable
- 2 Alarm outputs
- 24V DC sensor supply
- Retransmission output
- RS485 Modbus RTU protocol (Optional)

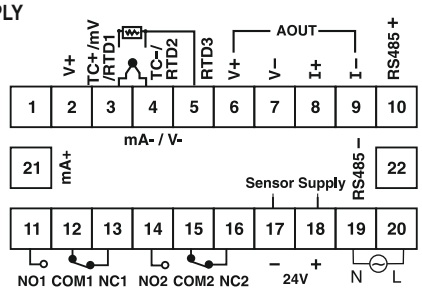
Certifications: CE

Technical specifications

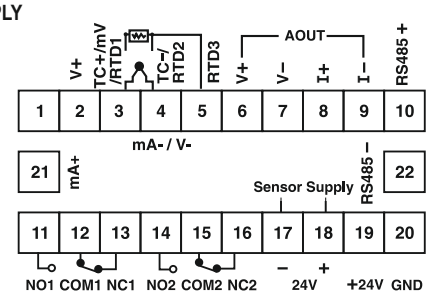
Display specifications	
Display	4 Digits 7 Segment LED single display
Height of display	12.7 mm
LED indication	Alarm ON (2 Nos)
Input specifications	
Inputs	Thermocouple (J, K, T, R, S) RTD (PT100), DC Analog inputs (-5 to 56mV, 0 to 10V, 0/4 to 20mA)
Resolution	1/ 0.1° for TC/ RTD only (fixed 1° resolution for R & S type TC) Decimal point position selectable: 1/ 0.1/ 0.01/ 0.001 for analog input
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 input: 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
Output specifications	
Alarm	
Relay contact (SPDT)	RELAY 1, 2: NO: 10A 250 VAC/ 28 VDC NO/ NC: 5A/ 5A 250 VAC/ 28 VDC
Retransmission	0/ 4 to 20 mA DC, 0 to 5 VDC, 0 to 10 VDC
Sensor supply	24 VDC, 30mA
Functional specifications	
Alarm	2
Alarm modes	High alarm, Low alarm, Band, Fail output and fault diagnosis
Hysteresis	0.1 to 99.9°
Annunciator	Programmable
Relay action	Automatic or Latched
Auxiliary supply specifications	
Supply voltage	90 to 270 VAC/ DC (50/ 60Hz) Optional: 24 VDC
Power consumption	6 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)	85% RH
Mechanical specifications	
Mounting	Panel
Weight	220 gms

Terminal connections

1) 230V SUPPLY



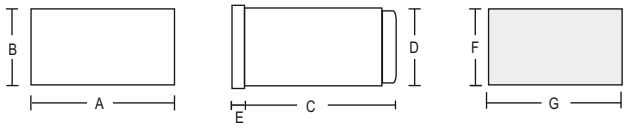
2) 24V SUPPLY



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

Dimensions (All are in mm)



MODEL / DIM	A	B	C	D	E	F	G
PIC152A-VI	98	50	76	45	3	46	92

Ordering information

Product code	Output		Supply voltage	Certification
	Retrans-mission	Comm. (RS485)		
PIC152A-VI	YES	- - -	90 to 270 VAC/ DC	- - -
PIC152A-VI-CE	YES	- - -	90 to 270 VAC/ DC	CE
PIC152A-VI-C-24V	YES	YES	24 VDC	- - -