



Features :

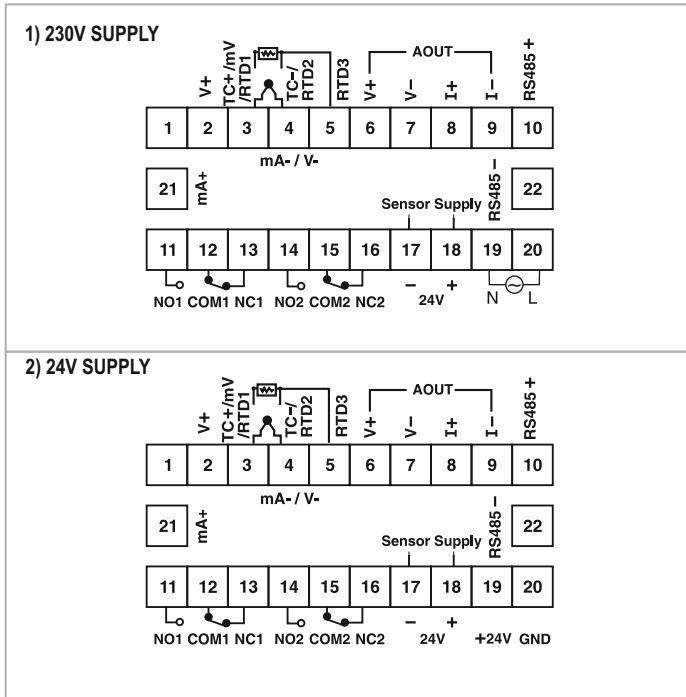
- ▶ 4 Digits, 7 Segment LED single display
- ▶ LED status indicator: Alarm ON
- ▶ Universal input
- ▶ °C/°F selectable
- ▶ 2 Alarm outputs
- ▶ 24V DC sensor supply
- ▶ Retransmission output
- ▶ RS485 Modbus RTU protocol (Optional)

Certifications:

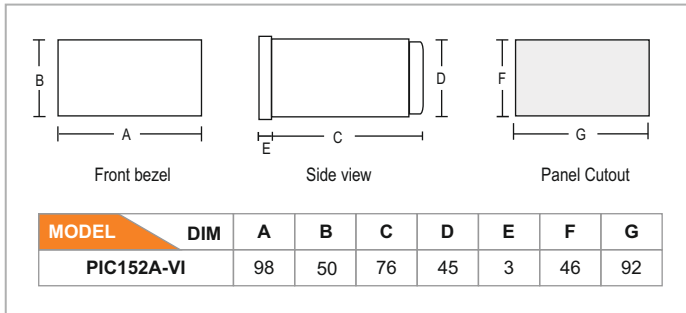
Technical specifications

| 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



Dimensions (All are in mm)



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 | Output | | Supply voltage | Certification |
|------------------|----------------|---------------|-------------------|---------------|
| | Retransmission | 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 | --- |