



**FEATURES**

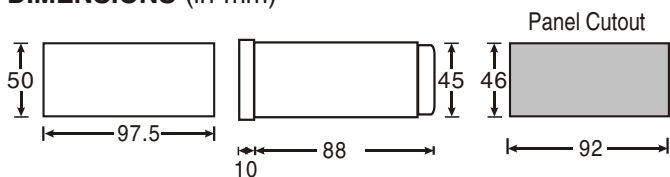
- Inputs:  
TC / RTD.  
Current : 4 to 20mADC  
Voltage: 0 to 10VDC
- High Indication Accuracy:  $\pm 0.25\%$
- Sensor Error Compensation (offset) and Break Detection.
- 24 VDC Sensor Supply.
- 85 to 270 VAC/DC Supply Voltage (also available 24 VDC models - Consult factory)
- Compliance: CE, RoHS

**PRODUCT CODE**

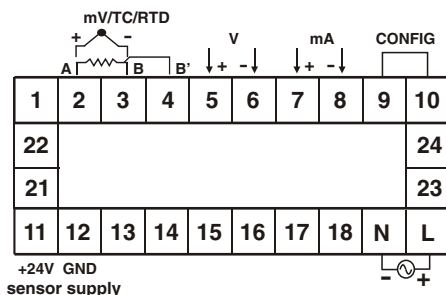
MODEL	SUPPLY VOLTAGE
PIC101-N	85 to 270 VAC/DC

**NOTE :** For 24VDC models add suffix '- 24'

**DIMENSIONS (in mm)**



**TERMINAL CONNECTIONS**



**SPECIFICATIONS**

**1. DISPLAY:** 4-digit (7 segment LED) 0.5" high.

**Display Messages:**

"Or" - Appears when measurement exceeds range or open sensor is detected.

"rE" - TC reverse.

**2. POWER:**

85 to 270 VAC/DC, 50 or 60 Hz, 5 VA.

**Optional:** 24VDC (Consult Factory).

**3. SETTINGS:** Via three keys on front panel.

**4. MEMORY:** Nonvolatile EEPROM retains all programmable parameters and values.

**5. MAIN SENSOR INPUT:**

**Thermocouple inputs**

- J : -200 to 750°C.
- K : -200 to 1350°C.
- T : -200 to 400°C.
- R : -50 to 1750°C.
- S : -50 to 1750°C.

**RTD input (2 wire or 3 wire)**

- PT100 : -100 to 850°C.
- Voltage : 0 to 10 VDC.
- Current : 0 to 20 mADC.

Temperature units : °C/°F

Resolution : Sensor: 1 / 0.1.

Signal input: 0.001, 0.01, 0.1 & 1 decimal point selectable.

**6. SENSOR SUPPLY:** 24 VDC to power the sensors.

**7. INDICATION ACCURACY:**

0.25% of Span  $\pm 1^\circ\text{C}$  (After 20min. Warmup).

**8. ENVIRONMENTAL CONDITIONS:**

- Operating Range : 0 to 50°C.
- Storage Range : -5 to 50°C.
- Humidity : 85% max.

**9. ISOLATION BREAKDOWN RATINGS:**

AC line with respect to all inputs and outputs: 2000 Volts.

**10. CONNECTION:** Wire clamping screw terminals.

**11. WEIGHT:** 210 grams.