



Features

- ★ Standard DIN size.
- ★ Slim design (snap-in installation).
- ★ Best suited as a simple temperature indicator.
- ★ Thin case (Depth 22mm).

Ordering code

AT - 501 -

Code	Display color
R	Red
G	Green

Code	Temperature sensors	Input Sensor type	Measuring range	Resolution	Accuracy (23±5°C)
KC	Thermocouple	K	0°C to +1000°C	1°C	±(0.2% of FS)
JC	Thermocouple	J	0°C to +400°C	1°C	±(0.2% of FS)
PA	RTD	JPt-100, Pt-100	-100.0°C to 199.9°C	0.1°C	±(0.4% of FS)
PJ	RTD	JPt-100, Pt-100	-200.0°C to 600°C	1°C	±(0.4% of FS)

Specifications

Common specifications

Operation method	Double integral
Input configuration	Single ended
Input bias current	50PA (Typ.)
Sampling rate	2.5 times per second
Rejection	40dB or more (TYP)
Display	Red or green 7 segment LED (height 14.2mm)
Polarity	'-' is displayed at negative polarity
Operating temperature	0 to 50°C
Operating relative humidity	35 to 85% (non-condensing)
Power supply	12Vdc to 24Vdc ±10%
Power consumption	37mA(TYP) when 24Vdc
Dimensions	96mm(W) x 48mm(H) x 22mm(D) DIN size
Weight	Approx. 60g
Dielectric strength	500Vdc per 1 min. : Between input terminal (A,B,COM) and power supply terminal (0V)
Insulation resistance	500Vdc, 100MΩ or more on the above terminals

Thermocouple type specifications

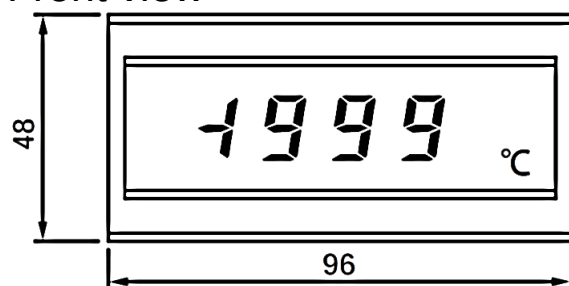
Input sensors	K or J
Temperature display	°C
Resolution	1°C
External resistance	100Ω or less
Reference junction compensation accuracy	±2°C (10 to 40°C)
Burnout alarm	'-1999' (K type) or '-999' (J type) flashes
Excessive input voltage	±5Vdc
Temperature coefficient	Sensor type K : 200ppm/°C os FS Sensor type J : 300ppm/°C os FS

RTD type specifications

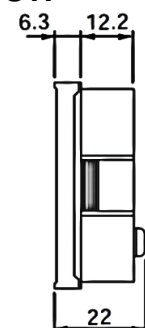
Input sensors	Pt100Ω (JPt100Ω)
Temperature display	°C
Resolution	0.1°C or 1°C
External resistance	1Ω or less per lead wire
Linearizer	Analog linearizer
Excessive input voltage	±5Vdc
Temperature coefficient	200ppm/°C
Resistance current	1mA (TYP)

Dimensions

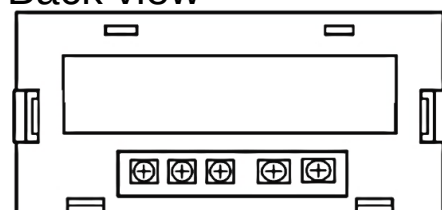
Front view



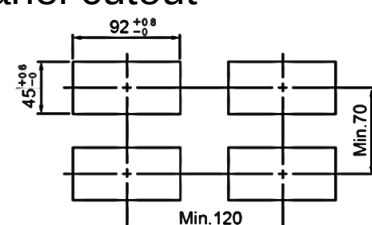
Side view



Back view

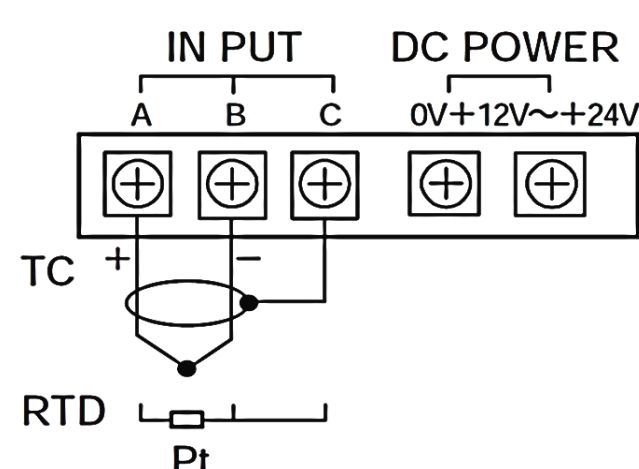


Panel cutout



Panel thickness 0.8 to 5.0mm (Unit : mm)

Terminal Connections



* Specification is subject to change without notice