



Connection diagram



Description

KLT01 is a digital thermometer for PTC or NTC probes (depending on model). The temperature is shown in a 3 digit display. It is possible to choose the type of probe, the color of the display, °C or °F units and power of 115VAC, 230VAC, 24VAC/DC or 12VAC/DC.

Model reference

Referencences are given as: KLT01 - VWXY

Where each suffix can take the following values:

V	Probe type	P=PTC, N=NTC
W	Display color	R=Red, G=Green, B=Blue
X	Power	110=115Vac, 230=230Vac 24=24Vac/dc, 12=12Vac/dc
Y	Units	C=°C, F=°F

Installation

NOTE: Unit must be mounted away from vibration, impacts, water and corrosive gases.

- Cut hole in panel 71 x 29 mm (2.80 x 1.14 inches)
- Apply silicone (or rubber gasket) around the perimeter of the hole to prevent leakage.
- Insert unit into hole of panel.
- Slide removable fitting clips onto unit from the back until secure to panel.
- Remove back cover to wire unit
- Wiring diagram is displayed on the top of the unit

Display messages

The display normally shows the temperature of the probe. In case of error the following messages are shown:

- Er=Memory error
- oo = Open probe
- -- = Short-circuited probe

Datos Técnicos

Supply voltages

115 Vac±10%, 230Vac±10%, 24Vac/dc±10%, 12 Vac/dc±10%

Supply powers

3VA (230V/115V) 1,5VA(24V /12V)

Storage temperature

From -20°C to 80°C (from -4 to 176°F)

Operating temperature

From 0°C to 70°C (from 32 to 158°F)

Probe range

PTC from -50°C to 150°C (from -58 to 302°F)
NTC from -50°C to 110°C (from -58 to 230°F)

Accuracy

Better than 1% of full scale

Resolution

1° (3 digits)

Display

3-digit and sign (red, green or blue)

Proble (selectable by parameter)

PTC1000 (25°C - 1000 Ohm) / NTC

Dimensions

77 x 36 x 62 mm (3.03 x 1.42 x 2.44 inch)

Front protection

IP64

Maintenance, cleaning and repair

After final installation of the unit, no routine maintenance is required.

Clean the surface of the display controller with a soft and damp cloth. Never use abrasive detergents, petrol, alcohol or solvents.

All repairs must be made by authorised personnel.

