



4 digit temperature indicator with °C or °F display

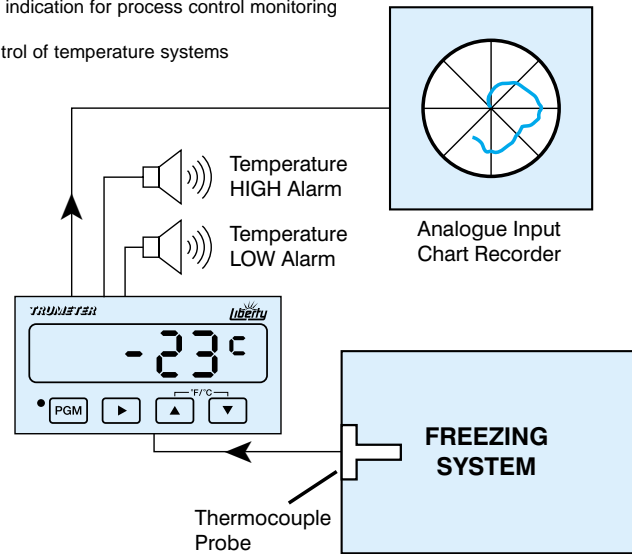


4 Digit temperature indicator capable of displaying °C or °F from J, K and T thermocouples or 4 wire Pt 100 RTD's. Using the relay output option the unit is capable of ON/OFF control of a process.

- **14.2mm High visibility LED display**
- **1/8 DIN (96mmX48mm) bezel**
- **Fully programmable**
- **Programme lock out facility**
- **AC and DC powered models available**
- **Analogue re transmission option**
- **Dual relay output option**
- **RS485 communications option**
- **CE, UL and cUL approved**

Typical Application

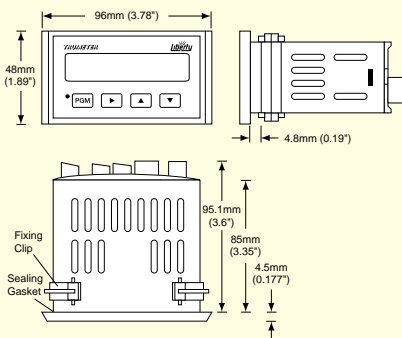
- *Watchdog alarm for PID controller back up
- *Temperature indication for process control monitoring
- *ON/OFF control of temperature systems



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Dimensions

Panel cut-out 92 x 45mm +0.4mm-0
(3.62 x 1.22" +0.015")



Specification

Power Supply
AC Powered 85-265VAC 47-63Hz 20VA
DC Powered 9-30VDC 12VA

Display 14.2 mm High visibility LED Display

Signal Input
J, K and T thermocouples and 4 Wire Pt100 RTD
Sensor Excitation 175µ ADC

Ranges
J -200° to 760°C (-328°-1400°F)
K -200° to 1370°C (-328° to 2498°F)
T -200° to 400°C (-328° to 752°F)
RTD -200° to 850°C (-328° to 1562°F)

Accuracy
+/- 1°C and +/- 100PPM/°C (ambient) plus +/- 1°C thermocouple cold junction

Optional Outputs
Relay output
2 SPNO (Form C) relays
Contact rating 5A 250VAC or 30VDC @ unity power factor

Analogue retransmission
4-20mA (<750 Ω load) and 0-10VDC (> 2500 Ω load)

RS485 Serial Communications
Baud rate 1200,2400,4800,9600 or 19,200 programmable Parity Even, odd or no parity Address 00-99

Data Retention
EEPROM 100years duration

Operating Temperature 0-50°C
Storage Temperature -20-70°C
Humidity 0 to 85%RH non condensing
Vibration 2.5 g's 30-200Hz
Shock 30g's
Front Panel Protection IP65 when properly mounted using gasket supplied
Approvals CE UL and cUL

Ordering Information

Order by type number:
DP-876X