

A no-fuss temperature controller which accepts all common TC probe types - ideal for indication and alarm control temperature applications.

- › **Universal thermocouple input**
B/J/K/N/R/S/T type thermocouple sensors
- › **Large 4 digit display**
For clear viewing at a distance
- › **Input signal averaging** Reduces noise and optimises stable measurement
- › **Easy to use**
Intuitive interface with scrolling text prompts
- › **Factory calibrated for K type thermocouple**



- › **°C or °F display**
- › **Up to 4 setpoints**
- › **Optional 4–20mA or 0–10V analog output**
- › **Optional RS232/RS485 serial port**

Specifications

Thermocouple sensor types B/J/K/N/R/S/T

Power supply HV (85–265V AC / 95–370V DC) or LV (15–48V AC / 10–72V DC)

Display 1 x 4 digit (20mm), 7 segment alphanumeric LED. 5 buttons, 4 setpoint indicator LEDs

Panel mount case 48H x 96W x 120D (mm)

Relay outputs (Optional) 2 or 4 x 5A form A (3A 240V AC max or 3A 30V DC max). Enables LED annunciators for alarms and relay status indication

Analog output (Optional) 1 x isolated 16 bit 4–20mA/0–10V. Window programmable over any range within the full scale range of the controller

Serial port (Optional) Isolated RS232 (RJ11) or RS485 (screw terminal). Custom ASCII / Modbus RTU slave / Ranger A

Temperature units °C or °F

Sampling rate 2.5Hz

Resolution 16 bit

Accuracy 0.05% of reading

Temperature drift 50ppm/°C typical

Security Input and setpoint setups are independently accessible and PIN protected

Order code: LD-TC

-HV	85–265V AC / 95–370V DC
-LV	15–48V AC / 10–72V DC

Options

-R2	2 x relay outputs
-R4	4 x relay outputs
-A	1 x mA/V analog output
-S2R	1 x RS232 (RJ11 terminal)
-S4S	1 x RS485 (screw terminal)

E.g. Order LD-TC-LV, LD-TC-HV-R4-A-S2R

