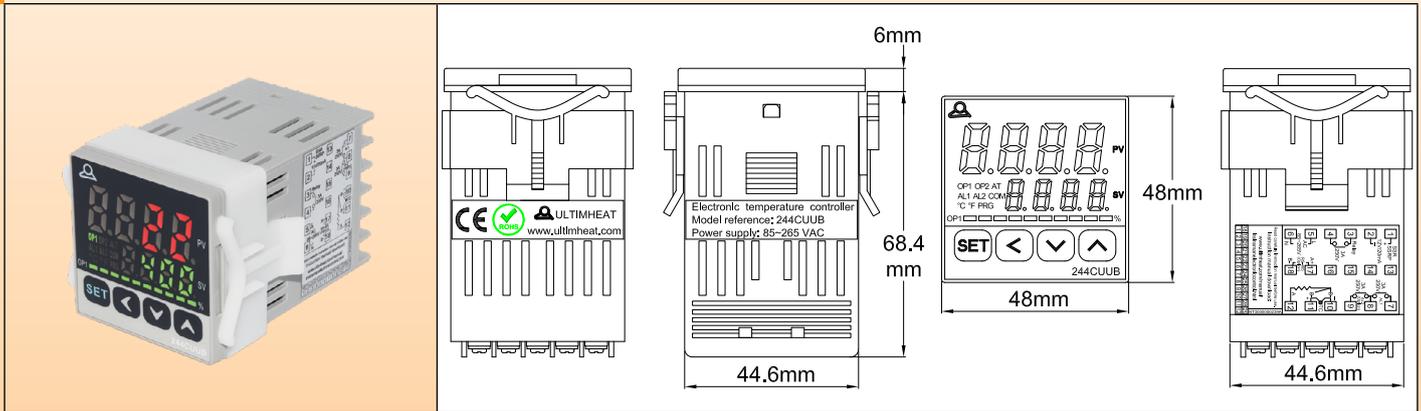


48 × 48mm electronic temperature controllers, double digital display, PID action, panel mounting, Pt100 RTD or K thermocouple sensor

Temperature range	Mounting	Adjustment	Sensor	Action type	Types
Configurable	Panel mounting in 45 × 45mm cut-out	Digital	Pt100 RTD or K thermocouple	PID or On-Off	244



Applications

This electronic controller, designed to be **the most universal**, is intended to be integrated into control panels. It is totally configurable. Its use requires reading and understanding of its instructions.

Its small size makes it easy to integrate, and the auto-tune function allows automatic adjustment of PID parameters. The incorporation of a microprocessor using Fuzzy Logic technology makes it possible to reach a predetermined set point as quickly as possible, with a minimum of overheat during disturbances related to the ramp-up or the external load.

The electromechanical relay and static relay outputs are standard.

The temperature sensor input is configurable, and in particular allows the **use of Pt100 and thermocouple K sensors of flexible silicone heating elements.**

Main features

Dimensions: 48 × 48 × 74.4mm, Panel cut-out: 45 × 45 mm.

Input: Pt 100 and thermocouples K, T, R, J, B, S, E.

Output: Relay output or voltage pulse for SSR.

Output percentage indication: with graphic LED bar.

Alarm: 1 alarm relay in standard. Second alarm in option.

Operation: auto-tune function sets automatically the PID parameters to the system characteristics.

Power supply voltage: AC 85~265V 50-60Hz.

Power: <6W.

Output Specifications:

- Main Control Output: 1 relay, heating or cooling selectable,

- Contact Rating (SPST): 3A, 250Vac Res.

- Alarm output: 3A, 250Vac Res.

- SSR drive: 12V DC (20mA).

Accuracy: 0.3% end of scale.

Ambient temperature: 0 to 50°C, 0 to 95% RH.

Part number	244CUUB
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Wiring diagram

