

Temperature regulators | DTK4848R01 / DTK4848V01

Compact PID temperature controllers | for precise temperature control in industrial applications

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| Article: | DTK4848R01 / DTK4848V01 |
| Brand: | Delta Electronics |
| Model: | DTK4848 series |
| Control function: | PID, ON/OFF and manual control |
| Input types: | Thermocouple (K, J, T, E, N, R, S, B), RTD (Pt100, JPt100) |
| Output type: | DTK4848R01: Relay output DTK4848V01: Voltage/pulse signal or 4–20 mA |
| Input voltage: | 100-240V AC |
| Sampling time: | About 100ms |



Description

DTK4848R01 and DTK4848V01 are compact temperature controllers in 48 x 48 mm format (1/16 DIN), developed for accurate and stable temperature control in industrial applications. They are often used for controlling heating processes, enclosures, machines and other applications where precise temperature control is required.

Both models support PID control, ON/OFF operation and manual control and a wide selection of temperature inputs such as thermocouples (K, J, T, E, N, R, S, B) and RTD sensors (Pt100, JPt100). The controllers have fast sampling (approx. 100 ms), which provides a fast response even with rapid temperature changes.

The difference between the models lies in the output type:

DTK4848R01 has relay output for direct control of load, while DTK4848V01 has voltage/pulse signal or analog output (12 V DC or 4–20 mA depending on configuration), making it suitable for controlling external power regulators or control systems.

Article number

| Art.No | Description | Type | Format | Input types | Output type | Feed | Control function | Sampling time | Alarm | Display |
|------------|--------------------------------------|----------------------------|---------------------|--|---------------------------------|-------------|-----------------------|---------------|-------------------|-------------|
| DTK4848R01 | Temperature controller DTK4848R01 | PID temperature controller | 48x48 mm (1/16 DIN) | TC (K,J,T,E,N,R,S,B); RTD (Pt100, JPt100) | Relay output | 100-240V AC | PID / ON-OFF / Manual | About 100ms | Temperature alarm | 2-color LCD |
| DTK4848V01 | Temperature controller DTK4848V01 | PID temperature controller | 48x48 mm (1/16 DIN) | TC (K,J,T,E,N,R,S,B); RTD (Pt100, JPt100) | Voltage/pulse signal or 4–20 mA | 100-240V AC | PID / ON-OFF / Manual | About 100ms | Temperature alarm | 2-color LCD |