

Temperature regulators | DTK4848R01 / DTK4848V01

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

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 × 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	48×48 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	48×48 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