



DTK4848R01

**new**



DTD4848R0



DTA4896R0



DTA7272R0



DTB4824RR



DTC1000



DTC2000

**Temperature controllers**

- Thermocouple: Type (K-J-T-E-N-R-S-B-L-U-TXK) - Platinum RTD: Pt100, JPt100
- LCD display: Process Value (PV) Red colour - Set point (SV) Green colour

type	panel size (mm) W x H	description	output 1	output 2
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**DTK series "low cost" temperature controller 100 - 240 VAC 50/60Hz (only 60mm deep)**

• PID, ON/OFF, Manual control modes	• 1 alarm output with 9 selectable alarm modes			
<b>DTK4848R01</b>	48 x 48	low cost temperature controller	–	relay
<b>DTK4848V01</b>	48 x 48	low cost temperature controller	–	14 VDC pulse
<b>DTK4848C01</b>	48 x 48	low cost temperature controller	–	4 - 20mA
<b>DTK4896R01</b>	48 x 96	low cost temperature controller	–	relay
<b>DTK4896V01</b>	48 x 96	low cost temperature controller	–	14 VDC pulse
<b>DTK4896C01</b>	48 x 96	low cost temperature controller	–	4 - 20mA

**DTD series "economical" temperature controller 100 - 240 VAC 50/60Hz (IP65)**

• PID, programmable PID, ON/OFF, Manual control modes,	• 1 alarm output with 8 alarm modes			
<b>DTD4848R0</b>	48 x 48	econo temperature controller	–	relay
<b>DTD4848V0</b>	48 x 48	econo temperature controller	–	14 VDC pulse
<b>DTD4896R0</b>	48 x 96	econo temperature controller	–	relay

**DTA series "standard" temperature controller 100 - 240 VAC 50/60Hz (IP65)**

• PID, ON/OFF, Manual control	• PID parameter Auto-Tuning			
<b>DTA4848R0</b>	48 x 48	standard temperature controller	–	relay
<b>DTA4848V0</b>	48 x 48	standard temperature controller	–	14 VDC pulse
<b>DTA4848C0</b>	48 x 48	standard temperature controller	–	4 - 20mA
<b>DTA4896R0</b>	48 x 96	standard temperature controller	–	relay
<b>DTA9648R0</b>	96 x 48	standard temperature controller	–	relay
<b>DTA7272R0</b>	72 x 72	standard temperature controller	–	relay
<b>DTA9696R0</b>	96 x 96	standard temperature controller	–	relay

**DTB series "advanced" temperature controller 100 - 240 VAC 50/60Hz (IP65)**

- Two groups of outputs to auto-tune 2 groups of PID parameters
- Sampling rate: Analog input: 0.15 sec, Thermocouple or platinum RTD 0.4 seconds
- Built-in dual loop output control for heating / cooling (RS485 digital comm. 2.400 - 38.400bps)

<b>DTB4824RR</b>	48 x 24	advanced temperature controller	relay	relay
<b>DTB4848RR</b>	48 x 48	advanced temperature controller	relay	relay
<b>DTB4848VR</b>	48 x 48	advanced temperature controller	14 VDC pulse	relay
<b>DTB4848CR</b>	48 x 48	advanced temperature controller	4 - 20mA	relay
<b>DTB4848LR</b>	48 x 48	advanced temperature controller	0 - 5, 0 - 10V	relay
<b>DTB4896RR</b>	48 x 96	advanced temperature controller	relay	relay
<b>DTB4896VR</b>	48 x 96	advanced temperature controller	14 VDC pulse	relay
<b>DTB4896CR</b>	48 x 96	advanced temperature controller	4 - 20mA	relay
<b>DTB9696RR</b>	96 x 96	advanced temperature controller	relay	relay
<b>DTB9696VR</b>	96 x 96	advanced temperature controller	14 VDC pulse	relay
<b>DTB9696CR</b>	96 x 96	advanced temperature controller	4 - 20mA	relay
<b>DTB9696LR</b>	96 x 96	advanced temperature controller	0 - 5, 0 - 10V	relay
<b>DTB4848RRE*</b>	48 x 48	event input with 2 setpoints	relay	relay
<b>DTB4896RRE*</b>	48 x 96	event input with 2 setpoints	relay	relay

\* Event function, permits switching between 2 different temperature set points

**DTC series "modular" temperature controller 24 VDC Built-in RS485**

- PID, programmable PID, ON/OFF, Manual control (up to 64 sets)
- Adopts dual-loop output control (able to execute heating and cooling simultaneously)
- Analog inputs: : 0 - 5V, 0 - 10V, 0 - 20mA, 4 - 20mA, 0 - 50mA

<b>DTC1000R</b>	25.2 x 90	main unit temperature controller	relay	relay
<b>DTC1000C</b>	25.2 x 90	main unit temperature controller	4 - 20mA	relay
<b>DTC2000R</b>	25.2 x 90	extension unit temp controller	relay	relay
<b>DTC2000C</b>	25.2 x 90	extension unit temp controller	4 - 20mA	relay

**DVP02TK series temperature control modules (universal input) Built-in RTU-485**

- Analog inputs: 0 - 10V, 0 - 20mA, 4 - 20mA (16-bit)
- Thermocouple: J, K, R, S, T, E, N, B, C, L, U, TXK, PLII
- RTD: Pt100, JPt100, Pt1000, Cu50, Cu100, Ni100, Ni1000, LG-Ni1000
- Output point: Built-in PID program control/manual control
- Expandable: With **DVP02TU** plug-in modules to expand (up to 8 mod.) see page C-3

<b>DVP02TKL-S</b>	2 in	2 AO	2	analog	output voltage/current	analog
<b>DVP02TKN-S</b>	2 in	4 DO	4	transistor	NPN output overheat/current	transistor
<b>DVP02TKR-S</b>	2 in	4 rel	4	relay	output overheat/overcurrent	relay