
DTD4848R0


DTA4896R0


DTA7272R0


DTB4824RR


DTC1000...

DTC2000...

Temperature controllers

Common Characteristics

- Universal sensor inputs:
  Thermocouple: Type (K-J-T-E-N-R-S-B-L-U-TXK)
  Platinum RTD: Pt100, JPt100
- Display: 2-line 7-segment LED display *Process Value (PV) Red - Set point (SV) Green*

type	panel size (mm) W x H	description	output 1	output 2
DTA series - "Standard" temperature controller *100 - 240 VAC 50/60Hz IP65*				
• Control methods: PID, ON/OFF, Manual control				
• Sampling rate: 500msec				
DTA4848R0	48 x 48	standard temperature controller	relay	–
DTA4848V0	48 x 48	standard temperature controller	14 VDC pulse	–
DTA4848C0	48 x 48	standard temperature controller	4 - 20mA	–
DTA4896R0	48 x 96	standard temperature controller	relay	–
DTA9648R0	96 x 48	standard temperature controller	relay	–
DTA7272R0	72 x 72	standard temperature controller	relay	–
DTA9696R0	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 3 groups of alarm outputs				
• Analog inputs: 0 - 5V, 0 - 10V, 0 - 20mA, 4 - 20mA, 0 - 50mA				
• Sampling rate: Analog input: 150msec, Thermocouple or Platinum RTD 400msec				
• Built-in dual loop output control for heating and cooling				
• Built-in RS-485 digital communication, 2.400 - 38.400bps				
DTB4824RR	48 x 24	advanced temperature controller	relay	relay
DTB4848RR	48 x 48	advanced temperature controller	relay	relay
DTB4848VR	48 x 48	advanced temperature controller	14 VDC pulse	relay
DTB4848CR	48 x 48	advanced temperature controller	4 - 20mA	relay
DTB4848LR	48 x 48	advanced temperature controller	0 - 5, 0 - 10V	relay
DTB4896RR	48 x 96	advanced temperature controller	relay	relay
DTB4896VR	48 x 96	advanced temperature controller	14 VDC pulse	relay
DTB4896CR	48 x 96	advanced temperature controller	4 - 20mA	relay
DTB9696RR	96 x 96	advanced temperature controller	relay	relay
DTB9696VR	96 x 96	advanced temperature controller	14 VDC pulse	relay
DTB9696CR	96 x 96	advanced temperature controller	4 - 20mA	relay
DTB9696LR	96 x 96	advanced temperature controller	0 - 5, 0 - 10V	relay
DTB4848RRE*	48 x 48	event input with 2 setpoints	relay	relay
DTB4896RRE*	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, isolated switching power supply*

DTC features modular, wire-saving structure able to monitor many temperature points with parallel modular extensions, providing user configurable outputs according to actual requirements

- 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
- Built-in RS-485 digital communication, 2.400 - 38.400bps

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

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

- Inputs: Analog: 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 modules)* *see page **C-4***

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