



**DIN Rail Mount Temperature Controller
with Dehumidification Feature**

DTC1 Series

Advanced Functions with Single DIN Package

- Multi-Range Input
- 60 Segment Multi Program Control Mode (Optional)
- Dual Input or Dual Output Versions for Differential Transmission or Control
- Transmitter/Converter (Optional)
- True Relay Alarm Contact
- Dehumidification Function
- Improved Output Options Including 4-20mA, Relay, 12VDC SSR, and Three Wire Motor/Valve Control
- IP56 (Front Panel Only)



**Most Feature Rich and Compact Din Rail
Controller on the Market**



Optional Modbus RS485 Port



Size	Input	Control Output	Power Supply	Communication	I/O Configuration	
DTC						22.5 x 75mm Din Rail Mount
	1					Multirange
	A					4-20mA
	V1					0-10V
	V5					0-5V
		R				Relay contact
		S				SSR Drive 12VDC @ 30mA
		A				4-20mA Proportional Output
		SERVO				Forward/Reverse Position
		PWM				PWM (HVAC)
			M			85-265VAC Supply
			M-24V			24VAC/DC Supply
				C5		RS485 Comms
				PRO		60 Segment Program Control
					(blank)	1 Input, 1 Output
					TR	Transmitter (4-20mA Only)
					2I (PID)	2 Input, 1 Output
					2O (Transmit)	1 Input, 2 Output

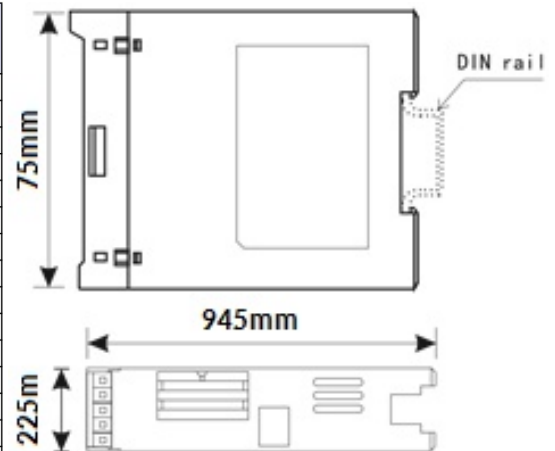
DTC1-A/M24-C5-2O = Multirange Input, 24VDC, RS485 with 2 x 4-20mA Out

Fastron
Electronics

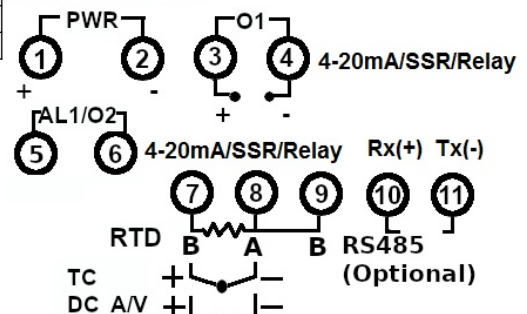
9B Lakewood Blvd
Braeside VIC 3195 Australia

- Power Semiconductors
- Electrical Measurement
- Process Control

Web: www.fastron.com.au
Email: sales@fastron.com.au
Telephone: + 61- 3 - 97635155
Facsimile: + 61- 3 - 97635206



85-265VAC/24VDC



Display	PV: Red 4-Digits, Character Size; 7.4 x 4.0mm (HxW) SV: Green 4-digits, character size; 7.4 x 4.0mm (HxW)		
Input(s)	Thermocouple	K,J,R,S,B,E,T,N,Cu50,W1,W2 External Resistance 100Ω max. Type B 40Ω max	
	RTD	Pt100,Cu50 3-wire with 10Ω maximum input resistance	
	Direct	4-20mA,0-1V,0-50mV,0-5V (Needs to be specified with order) Maximum Allowable Current 50mA, Maximum Input Impedance 50Ω 0 to 1VDC Input Impedance: 1MΩ min. Allowable input voltage: 5V max Source Impedance: 2kΩ max 0 to 5VDC, 1 to 5VDC Input Impedance: 100kΩ min. Allowable input voltage: 15V max Source Impedance: 100Ω max	
Accuracy	Thermocouple	Sensor Error:	0.2% of each Input Span +/-1 Digit or within +/-2 °C
		R,S Input, 0-200 Deg C:	Within 6°C
		B Input, 0 to 300°C:	Accuracy is not Guaranteed
		K, J, E, T, N input, less than 0°C:	Within +/-0.4% of input span +/-1 Digit
	RTD	Within +/-0.2% of each input span +/-1 digit, or within +/-1°C, whichever is greater	
	Direct Current	Within +/-0.2% of each input span +/- digit	
Input Sampling Period		150ms	
Control Output (or Transmission)	Relay Contact 1a:	3 Amp @ 250VAC (resistive) Electrical Life: 100,000 Cycles	
	Non-Contact Voltage:	SSR Drive 12VDC +/-15% @ 40mA	
	Direct Current:	4-20mA DC, Load Resistance 550 Ohm max	
	Output Accuracy:	Within +/-0.3% of output span, Resolution:12000	
Alarm	Relay Contact 1a	3 Amp @ 250VAC (resistive) Electrical Life: 100,000 Cycles	
Serial Communication	RS485	Half Duplex, Start-Stop Synchronisation	
	Communication Speed	4800,9600,19200,38400,76800,153600 bps	
	Parity	Even/odd	
	Data bit	7	
	Stop Bits	1	
Safety Standards		CE	

