DIGITAL TEMPERATURE CONTROLLERS

DTC410 ON/OFF TEMPERATURE CONTROLLER



- 4 programmable thermocouple inputs
- PT100 & 4-20mA inputs
- 10 programmable alarm options
- Direct or reverse action
- Programmable set-point limits

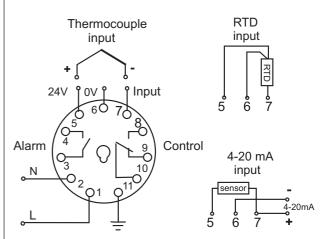
The DTC410 range of on/off temperature controllers are designed to offer the programmable functionality of modern PID controllers but at a price suited to on/off applications. The clear LCD display and 2-button programming gives an easy to use set-up procedure. Message displays also provide a clear indication of alarms or error status.

SPECIFICATION

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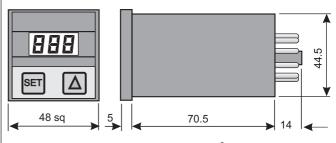
LonioAnon		
Supply voltage:	24Vac/dc @ 60mA max. 110Vac, 50/60 Hz @ 1.5VA max. 220-240Vac, 50/60 Hz @ 1.5VA max	
Sensor options:	J, K, T, N T/couples, PT100, 4-20mA	
Scale ranges:	J T/c = -99 to 700°C (999°F) T T/c = -99 to 300°C (570°F) K/N T/c = -99 to 999°C or F PT100 = -99 to 400°C (700°F) 4-20mA = scalable -99 to 999 units	
Gain accuracy:	T/c = +/- 0.25% of scale range Others = +/- 0.6\% of scale range	
Offset accuracy:	T/c = +/- 5°C, PT100 = +/- 2°C	
Outputs:	Control: 3A @ 240Vac, SPCO relay Alarm:0.5A @ 120Vac, SPNO relay	
Approvals:	Conforms to CE generic standards EN50081-1 and EN50082-1 for emc and EN61010-1 for low voltage	
Ambient range:	-10 to 50°C non-condensing	
Memory back-up: Lithium battery with 10 years operating life		
Weight:	205gms	

CONNECTION DIAGRAM



Note: When pin 11 and the sensor are both earthed, the DTC410 will display OPN and will not operate correctly. For 24V models use an isolated or non-earthed sensor.

DIMENSIONS



Panel cut-out 45 x 45 mm $^{-0}_{+0.5}$

STANDARD ITEMS

Voltage	Part Number
24Vac/dc 110Vac	DTC410-01-24 DTC410-01-110
230Vac	DTC410-01-230
24Vac/dc	DTC410-02-24
	DTC410-02-110 DTC410-02-230
24Vac/dc	DTC410-03-24
110Vac	DTC410-03-110
230Vac	DTC410-03-230
Wiring socket - panel mount Wiring socket - DIN rail mount	
	24Vac/dc 110Vac 230Vac 24Vac/dc 110Vac 230Vac 24Vac/dc 110Vac 230Vac 230Vac

For details of suitable input sensors or our matching UDT series timer please contact our sales office.