

DIN sized profiling, 4 output PID controller TLK 44

This compact but powerfull profiling process controller can store up to 4 programs consisting of 32 controlled setpoint ramp rates and hold at setpoint time periods (ramp & soaks).

In addition fine control is achieved under all conditions using PID self tuning and gain scheduling, a feature normally reserved for units ten times its price.

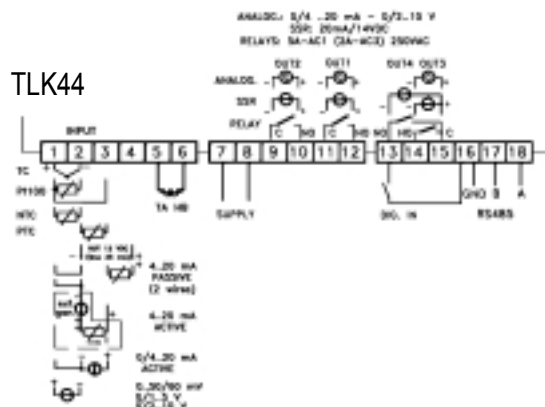
Price
below
£180



Features:

- Setpoint profiling with 32 segments
- 4 Recipes
- Easy programming using the memory key (option)
- Universal input thermocouple, Rtd, mV, mA, Vdc
- Logic input (programmable functions)
- Max 4 outputs, relay, SSR logic, mA and Vdc
- PID gain scheduling and adaptive tuning
- RS485 modbus RTU communications
- Load current monitor and alarm (also monitors for SSR faults)
- Fourth front key with programmable functions
- Universal switch mode supply
- IP 65 facia

Electrical connections:



Specifications:

CONTROL TYPE	PID, heat and cool auto and adaptive tune, gain scheduling, thermostatic (on/off)	SETPOINT PROFILING	4 stored recipes, max 32 segments, guaranteed soak
MOUNTING	1/16 DIN panel mount, (48x48mm), 45x45mm hole 98mm depth	DISPLAY	4 Digit red LED (single with deviation LED's) or dual
SUPPLY OPTIONS	20-30vac/dc, 90-240Vac	UPDATE TIME	8 Per second
INPUT OPTIONS	Thermocouple J-K-S, 0-50/60Mv, Pt100, PTC, NTC, 0/4-20Ma 0/1-5Vdc, 0/2-10Vdc	OUTPUT OPTIONS	Max 2, relay (8A AC1) or SSR 14vdc @ 7ma, 4-20mA, 0-10v
AUXILIARY INPUTS	Digital (prog. func.) input and load current measuring transformer	PROTECTION	IP65 facia
		PROGRAMMING	Via memory key, software or front keys
		APPROVALS	CE, UL, CSA

How to order:

TLK 44 – Single Display		48 x 48mm (1/16 DIN)	
Description	Codes	Codes	Description
Power Supply	L		20-30Vdc
	H		100-240V
Main output OUT 1	R		Relay
	O		20 mA/14V dc SSR
	C		0/4-20mA
	V		0/2-10Vdc
Second output OUT 1	R		Relay
	O		20 mA/14V dc SSR
	C		0/4-20mA
	V		0/2-10Vdc
	-		No output
Third output OUT 3	R		Relay
	O		20 mA/14V dc SSR
	C		0/4-20mA
	V		0/2-10Vdc
	-		No output
Fourth output OUT 4	R		Relay
	O		20 mA/14V dc SSR
	-		No output
Serial & Digital	S		RS485
	I		RS485 + digital input (TLK 43 only)
	-		No
Heater Breaker HB	H		Input for CT
	-		No