

## TLK 43 – DIN sized 4 output universal input process controller with analogue outputs

The TLK43 controller is a powerful pid auto tuning instrument with universal input and analogue output capability. These units can also have up to 4 outputs, with various combinations of analogue, relay or SSR. In addition to this, RS485 modbus is available along with two digital inputs.



### FEATURES

- DUAL DISPLAY
- ANALOGUE OUTPUTS
- UP TO 4 OUTPUTS
- RS485 MODBUS COMMS
- DIGITAL INPUTS
- CURRENT MONITORING
- MOTORISED VALVE CONTROL

### SPECIFICATION

**OUTPUTS:** Up to 4 outputs, SSR (12v), relay (8amp res), Analogue, 4-20 Ma, or 0-10 v  
**SUPPLY VOLTAGE:** 20-30 vac/dc, 100-230 v  
**INPUT:** Universal input, Thermocouple J, K, S, B, E, L, N, R, T, C. PT100, PTC (KTY81-121), NTC (103-AT2), Voltage, 4-20 mA.  
**COMMS:** RS485 MODBUS RTU  
**AUXILIARY INPUTS:** 2 X DIGITAL INPUTS  
**APPROVALS:** CE, UL, CSA  
**MEASUREMENT RANGE:** Dep. on input -1999 to 9999  
**DIMENSIONS:** 48mm x 48 mm x 95mm  
**CONTROL:** PID, ON/OFF, Motorised Value control  
**DISPLAY:** 4 digit LED, dual display, red and green

PART CODES	DESCRIPTION	PRICE (£)	
		1 - 9	10 +
TLK43-HCRR	100-230V Universal in, 1 x 4-20mA, 2 x Relay out	POA	POA
TLK43-HCOR	100-230V Universal in, 1 x 4-20mA, 1 x SSR, 1 x Relay out	POA	POA
TLK43-HVRR	100-230V Universal in, 1 x Voltage, 2 x Relay out	POA	POA
TLK43-HVOR	100-230V Universal in, 1 x Voltage, 1 x SSR, 1 x Relay out	POA	POA
TLK43-LCRR	20-30V AC/DC Universal in, 1 x 4-20mA, 2 x Relay out	POA	POA
TLK43-LCOR	20-30V AC/DC Universal in, 1 x 4-20mA, 1 x SSR, 1 x Relay out	POA	POA
TLK43-LVRR	20-30V AC/DC Universal in, 1 x Voltage, 2 x Relay out	POA	POA
TLK43-LVOR	20-30V AC/DC Universal in, 1 x Voltage, 1 x SSR, 1 x Relay out	POA	POA
RS485 OPTION	Add	POA	POA

### APPLICATIONS

- Motorized value control, using analogue outputs
- Connection with touch screen or other HMI devices via RS485 comms
- Pressure control, re transmission of signals
- Various high temperature applications utilizing S, N thermocouple inputs
- Expansion module for PLC system

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