

TLK72

- ON/OFF AND PID CONTROLLER
- RS485
- UP TO 3 RELAY OUTPUTS



FEATURES	
DISPLAY	TLK72
Single	4 red digit, h 12 mm + 3 LED Bargraph
INPUTS	
4 different configurations	Thermocouples J (0... 1000 °C/ 32... 1832°F), K (0... 1370°C/32... 2498°F), S (0... 1760°C/32... 3200°F) and Infrared sensors J or K + Thermoresistances Pt 100 3 wires (–200... 850 °C/–328... 1562 °F) + Linear signals 0/10... 50mV, 0/12... 60mV
	Thermocouples J (0... 1000 °C/ 32... 1832°F), K (0... 1370°C/32... 2498°F), S (0... 1760°C/32... 3200°F) and Infrared sensors J or K + Thermistors PTC KTY 81–121 (990Ω at 25°C) (–55... 150 °C/–67... 302 °F) and Thermistors NTC 103AT–2 (10 kΩ at 25°C) (–50... 110 °C/–58... 230 °F) + Linear signals 0/10... 50mV, 0/12... 60mV
	Linear signals 0/4... 20mA
	Linear signals 0/1... 5V, 0/2... 10V
Accuracy	±0.5 % fs (tc S: ± 1% fs)
OUTPUTS	
Up to 3	OUT 1 : Relay SPDT (8 A-AC1, 3 A-AC3 / 250 V AC) or voltage to drive SSR 8Vdc/8 mA OUT 2 e OUT 3: Relay SPST-NO (8 A-AC1 3A-AC3/250 Vac) or voltage to drive SSR 8Vdc/8 mA
Auxiliary power supply	12 Vdc/20 mA max.
FUNCTIONAL	
Control	ON/OFF, Neutral Zone, PID
PID functions	AUTOTUNING, FAST TUNING, Selftuning
Multi Set Point	Up to 4 pre-programmable Set Point
Serial communication	RS485 with ModBus-RTU (JBUS) protocol
Baud rate	1200... 38400 baud, programmable
GENERAL	
Power supply	24 Vac/Vdc, 100... 240 Vac/Vdc ± 10% (50/60 Hz)
Power consumption	10 VA approx.
Dimensions / Weight	72 x 72 mm – depth 97 mm / 325 g approx.
Mounting	Flush in panel in 67 x 67 mm hole
Connections	Screw terminal block 2 x 1 mm²
Front protection degree	IP 54, mounted on panel with gasket
Operating / storage temperature	0... +50°C (+32... +122°F) / –10... +60°C (+14... +140°F)
Operating humidity	30... 95 RH% without condensation
Conformity	Directive CEE EMC 89/336 (EN 61326), Directive CEE BT 73/23 and 93/68 (EN 61010-1)



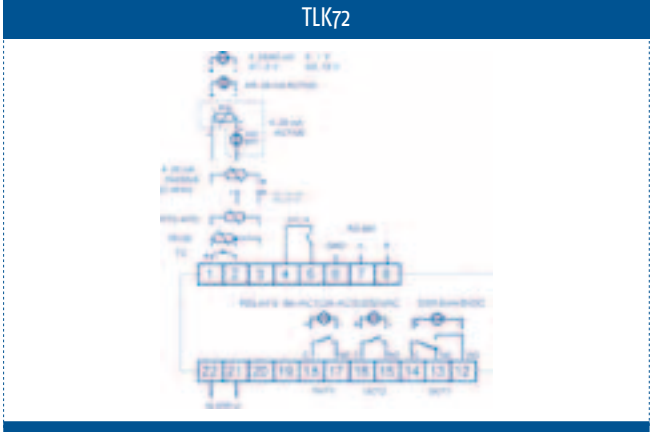
EVERYTHING UNDER CONTROL

HOW TO ORDER

To compose the part number, pls. choose one of the option for each variable

TLK72	
POWER SUPPLY	
24 Vac/Vdc	L
100... 240 Vac	H
INPUT	
TC (J,K,S,IRS)+PT100,mV	C
TC (J,K,S,IRS)+PTC,NTC,mV	E
0/4... 20mA	I
0/1... 5V, 0/2... 10V	V
OUT 1	
Relay	R
Voltage for SSR driving	O
OUT 2	
Relay	R
Voltage for SSR driving	O
Not available	-
OUT 3	
Relay	R
Voltage for SSR driving	O
Not available	-
SERIAL COMMUNICATION	
RS485	S
Not available	-
DIGITAL INPUT	
Available	I
Not available	-

CONNECTIONS



DIMENSIONS

