

MULTI-STEP CONTROLLER

- 4 OUTPUTS
- RS485



FEATURES

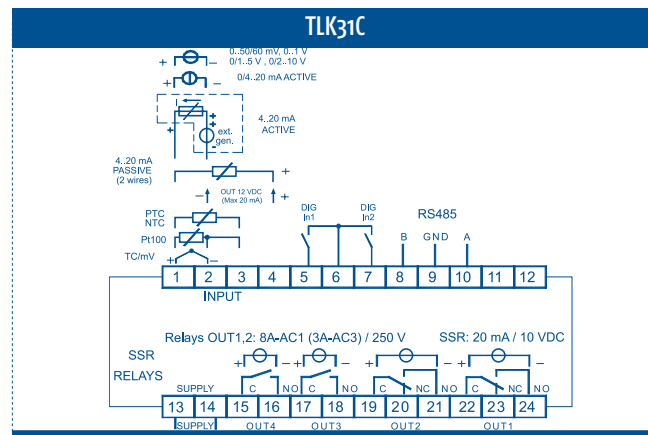
DISPLAY	
Single	TLK31C 4 red digit, h 12 mm + 3 LEDs Bargraph
INPUTS	
4 different configurations	Thermocouples (0... 1000°C/32... 1832°F), K (0... 1370°C/32... 2498°F), S,R (0... 1760°C/32... 3200°F), T (0... 400°C/32... 752°F) and Infrared sensors J or K type + Thermoresistances Pt 100 3 wires (-200... 850°C/-328... 1562°F) Thermocouples J (0... 1000°C/32... 1832°F), K (0... 1370°C/32... 2498°F), S,R (0... 1760°C/32... 3200°F), T (0... 400°C/32... 752°F) and Infrared sensors J or K type + Thermistors PTC KTY 81-121 (990Ω at 25°C) (-55... 150°C/-67... 302°F) and Thermistors NTC 103AT-2 (10kΩ at 25°C) (-50... 110°C/-58... 230°F) Linear signals 0/4... 20mA Linear signals 0/10... 50mV, 0/12... 60mV, 0/1... 5V, 0/2... 10V
Digital inputs	2 digital inputs for free voltage contacts
Accuracy	± 0.5% span ±1 digit, Tc S: ±1% span ±1 digit
OUTPUTS	
Up to 4	OUT 1 and OUT 2: Relay SPDT 8A-AC1, 3A-AC3/250 VAC or 8mA/8VDC for SSR driving OUT 2 and OUT 3: Relay SPST-NO 8A-AC1, 3A-AC3/250 VAC or 8mA/8VDC for SSR driving
Auxiliary supply	12 Vdc/20 mA max.
FUNCTIONAL	
Control	ON/OFF, Neutral zone, Proportional
Set Point	4 Set Points programmable
Serial communication	RS485 with Modbus RTU protocol
Baud rate	1200... 38400 baud, programmable
GENERAL	
Power supply	12 Vac/Vdc ±10%
Power consumption	4 VA approx.
Dimensions / Weight	78 x 35 mm - depth 64 mm / 150 g approx.
Connections	Screw terminal block 2.5 mm ²
Mounting	Flush in panel in 71 x 29 mm hole
Front protection degree	IP65, mounted in panel with gasket
Operating / storage temperature	0... 50°C (32... 122°F) / -30... 70°C (-22... 158°F)
Operating humidity	20... 85 RH% without condensation
Conformity	Directive EMC 2004/108/CE (EN 61326-1), Directive BT 2006/95/CE (EN 61010-1)

HOW TO ORDER

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

TLK31C	CODE
INPUT	
PT100 + TC (J,K,S,IRS), mV	D
PTC,NTC,mV + TC (J,K,S,IRS)	E
0/4... 20mA	I
0/1... 5V, 0/2... 10V	V
OUT 1	
Relay 8A SPDT	R
Vdc for SSR driving	O
OUT 2	
Relay 8A SPDT	R
Vdc for SSR driving	O
Not available	-
OUT 3	
Relay 8A SPST-NO	R
Vdc for SSR driving	O
Not available	-
OUT 4	
Relay 8A SPST-NO	R
Vdc for SSR driving	O
Not available	-
SERIAL COMMUNICATION	
RS485	S
Not available	-
DIGITAL INPUTS	
2 digital inputs	I
Not available	-

CONNECTIONS



DIMENSIONS

