Remote Set-point Unit TC10

CE

- ♦ **Easy and convenient set-point setting via rotating dial**
- ♦ **Passive or active input channel**
- ♦ **48x48 DIN-sized front panel**
- ♦ **Panel or rail mounting**

TC10 is a self-contained unit for remote set-point setting. Replacing scrolling through controller menus with simple turning of a dial, the unit is used as accessory for programmable controllers when set point has to be changed frequently. Another TC10 application is in cases, in which there is a need to adjust the set point from a remote location – far from controller panel. Two variants are available: passive – providing resistive output signal (5 kΩ potentiometer) – and active – generating current or voltage signal proportional to set-point value. The TC10 unit is a convenient supplement to COMECO's RT controller series and other manufacturers' automation systems.

Technical specifications

Output

Passive, resistive	0...5 kΩ
Passive, potentiometer	0...5 kΩ
Other passive [1]	0...max. 1 MΩ
Active, DC current	0(4)...20 mA
Active, DC voltage	0...1 V, 0...2 V, 0...5 V, or 0...10 V
Other active [1]	0...max. 40 mA or 0...max. 10 V

Accuracy

Setting accuracy	1% from span
Temperature drift	0.01% from span for 1 °C
Long-term stability	0.2% per year

Indication and controls

Dial	270° arc
Dial divisions	40 or 50, depending on the range
Dial range [2]	0...100%, 0...100 °C, 0...200 °C, 0...400 °C, 0...750 °C, 0...1000 °C, or other on request
LEDs	LED for active output

Power supply [3]

Mains supply voltage	230 VAC or 115 VAC
Isolated low voltage	12...24 V or 24 VAC
Non-isolated low voltage	12...24 V
Consumption	max. 2 VA

Operating conditions

Ambient temperature	-10...65 °C
Ambient humidity	0...85 %RH

Design and materials

Case material	plastic
Mounting	in 45x45 mm panel cut-out or on 35 mm DIN rail
Wiring	socket OCTAL [4]
Dimensions	48x48(front)x95 mm
Mounting depth	max. 103 mm (w/ socket)
Weight	max. 250 g
Protection, front/terminals	IP40 / IP20

[1] Custom; specify range within the limits stated
[2] Specify dial range when ordering.
[3] Only for variant 'A'.
[4] Ordered separately (see 'Accessories')

Ordering code   TC10✱ - G1.G11

Code	Feature or option		Code values
✱	Variant		**P** - passive, **A** - active
G1	Power supply [3]		**A** - 230 VAC, **B** - 115 VAC, **P** - 12…24 V, non-isolated, **Q** - 12…24 V, isolated, **R** - 24 VAC
G11	Analog output	passive	**N** - resistive, **P** - potentiometer, **Z** - other [1]
		active, current	**E** - 0...20 mA, **F** - 4...20 mA, **Z** - other [1]
		active, voltage	**G** - 0...1 V, **H** - 0...2 V, **I** - 0...5 V, **K** - 0...10 V, **Z** - other [1]