

## Remote Set-point Unit TC10

- ♦ 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 <sup>(1)</sup>	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 <sup>(1)</sup>	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 <sup>(2)</sup>	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

<sup>(1)</sup> Custom; specify range within the limits stated

<sup>(2)</sup> Specify dial range when ordering.

<sup>(3)</sup> Ordered separately (see 'Accessories')

#### Power supply

Mains supply voltage	230 VAC or 115 VAC
Isolated low voltage	12...24 VAC/DC or 24 VAC
Non-isolated low voltage	10...18 VAC, 15...30 VDC
Consumption	max. 2 VA

#### Operating conditions

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

#### Design and materials

Case material	plastic
Mounting	in 45x45 mm panel cut-out or on 35 mm DIN rail socket OCTAL <sup>(3)</sup>
Wiring	48x48(front)x95 mm
Dimensions	max. 103 mm (w/ socket)
Mounting depth	max. 250 g
Weight	IP40 / IP20
Protection, front/terminals	

### Ordering code TC10★ - G1.G11

Code	Feature or option	Code values
★	Variant	<b>P</b> - passive, <b>A</b> - active
<b>G1</b>	Power supply	passive <b>X</b> - none
		active <b>A</b> - 230 VAC, <b>B</b> - 115 VAC, <b>P</b> - 12...24 V, non-isolated, <b>Q</b> - 12...24 V, isolated, <b>R</b> - 24 VAC
<b>G11</b>	Analog output	passive <b>N</b> - resistive, <b>P</b> - potentiometer, <b>Z</b> - other <sup>(1)</sup>
		active, current <b>E</b> - 0...20 mA, <b>F</b> - 4...20 mA, <b>Z</b> - other <sup>(1)</sup>
		active, voltage <b>G</b> - 0...1 V, <b>H</b> - 0...2 V, <b>I</b> - 0...5 V, <b>K</b> - 0...10 V, <b>Z</b> - other <sup>(1)</sup>