

Declaration of Conformity



The undersigned hereby declares, on behalf of COMECO Inc., that this device has been manufactured in compliance with standards EN 61000 and EN 61010, and meets the requirements of Directives 73/23/EEC and 89/336/EEC.

Vladimir Sakaliyski
CEO
COMECO Inc.

v3-11.08



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ACTIVE REMOTE SET-POINT UNIT

TC10A

OPERATION MANUAL

Waste Disposal



Do not dispose of electronic devices together with household waste material!

If disposed of within European Union, this product should be treated and recycled in accordance with the laws of your jurisdiction implementing the WEEE Directive 2002/96 on the Waste Electrical and Electronic Equipment.

Warranty and Support

.....
serial number

.....
manufacturing date

QC check mark(passed)
(stamp)

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QD-8.2.4-WC

Warranty

COMECO warrants this product to be free from defects in materials and workmanship for 2 years. If your unit is found to be defective within that time, we will promptly repair or replace it. This warranty does not cover accidental damage, wear or tear, or consequential or incidental loss. This warranty does not cover any defects caused by wrong transportation, storage, installation, or operating (see '**Specifications**').

Technical support

In the unlikely event that you encounter a problem with your COMECO device, please call your local dealer or contact directly our support team.

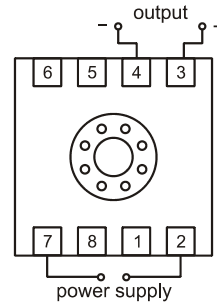


Please read this Operation Manual before mounting and operating!
Save the Manual for future references!

Overview

Often, during automation system building, the controlling device has to be placed somewhere, and the set point has to be adjusted from different, often remote location. This case is particularly common when programmable microprocessor-based controllers are being used, because their set-point adjustment requires time-consuming controller menu scrolling. Therefore, frequent set-point changes burden operator's task. The remote set-point unit TC10A with its easy-to-use 0...100% front dial is a convenient solution. The device generates standard linear voltage or current signals, and is fully compatible with COMECO's controller series RT as well as with other programmable controllers and control systems.

Mounting and Wiring



Important notes:

- ◆ Power supply must be turned off during the wiring!
- ◆ Supply voltage polarity does not matter.

Wiring

Wire TC10 through the provided socket's terminals as illustrated on the left.

Panel mounting

- ◆ Remove the mounting clamp.
- ◆ Place TC10 into a 45 x 45 mm panel cut-out.
- ◆ Put on the clamp and tighten.
- ◆ Wire the socket and plug it into the unit.

Rail mounting

- ◆ Mount the socket on the rail.
- ◆ Connect the cables to the socket.
- ◆ Plug TC10 into the socket.

Specifications

| | |
|-------------------------------------|---|
| Analog Output | <input type="checkbox"/> 0...20 mA, <input type="checkbox"/> 4...20 mA, <input type="checkbox"/> 0...1 V, <input type="checkbox"/> 0...2 V, <input type="checkbox"/> 0...5 V, <input type="checkbox"/> 0...10 V, |
| Power Supply | <input type="checkbox"/> <input type="checkbox"/> 230 VAC, <input type="checkbox"/> 115 VAC, <input type="checkbox"/> 24 VAC, <input type="checkbox"/> 12...24 VAC/DC, <input type="checkbox"/> 15...30 VDC, non-isolated, <input type="checkbox"/> 10...18 VAC, non-isolated |
| Consumption | less than 2 VA |
| Setting Accuracy | 1% from span |
| Temperature Drift | 0.01% from span for 1 °C |
| Long-term Stability | 0.2% per year |
| Operating Temperature / Humidity | -10...65 °C / 0...85% RH |
| Protection Class: front / terminals | IP40 / IP20 |

Operating

- ◆ Using the potentiometer and the dial on the device front panel, adjust the desired set-point value.
- ◆ After power-on, the device generates an output signal, within the output range, proportional to the set point.
- ◆ The 'ACTIVE' LED next to the dial indicates unit state.