

Specifications

Model:	<input type="checkbox"/> TROJ1, <input type="checkbox"/> TROJ2
Sensor	Pt100 (w=1.385)
Measurement Range (T _{min} ...T _{max})	programmable, min. 50 °C <input type="checkbox"/> -50...200 °C, <input type="checkbox"/> -50...600 °C
Output Signal	preset: °C 2-wire, programmable, 4...20 mA (direct) or 20...4 mA (reverse); preset: <input type="checkbox"/> direct, <input type="checkbox"/> reverse
Sensor Failure Reaction	programmable, < 3.9 mA (low) or > 20.2 mA (high); preset: <input type="checkbox"/> low, <input type="checkbox"/> high
Power Supply	10...32 VDC ± 1 Vp-p at 50 Hz
Maximum Output Loop Load	800 Ω at 24V/20mA
Measurement Error	0.2% from span or 0.2 °C (which is greater)
Temperature Drift	0.01% from span for 1 °C
Operating Temperature / Humidity	-30...70 °C / 0...95% RH, non-condensing
Storage Temperature	-40...85 °C
Protection Class	IP20
Approvals	CE, UL

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.

v6-06.12

PROGRAMMABLE RTD TRANSMITTER

TROJ

OPERATION MANUAL



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

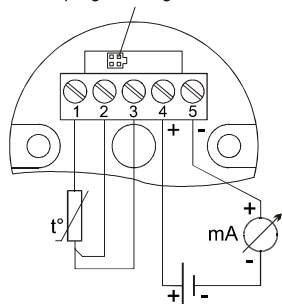
Mounting and Wiring



Important note:

Always use the protective cover to prevent the electronics from getting dirt on the soldering pads as well as getting electrostatic discharge by accidental touch.

programming connector



Mounting

- ◆ TROJ is designed to be incorporated inside protective heads with 33 mm distance between centers of the female threaded openings.
- ◆ Install the transmitter into the temperature probe head using two M4 screws with appropriate length. To ensure vibration proof, use special screws with springs.
- ◆ Your TROJ can also be easily mounted on every 35 mm rail conforming to EN50022 by the means of a special snap-on accessory, offered separately.

Wiring

- ◆ Connect the Pt100 sensor to the transmitter input via terminals 1, 2, and 3, as shown on the wiring diagram.
- ◆ Wire the output current loop through terminals 4(+) and 5(-).

Declaration of Conformity



The undersigned hereby declares, on behalf of COMECO Inc., that this device has been manufactured in compliance with standards EN 61326 and UL 61010, and meets the requirements of Directives 2004/108/EC, 92/31/EEC, 89/336/EEC, 93/68/EEC, 73/23/EEC, 2002/95/EC, and (WEEE)2002/96/EC.

Vladimir Sakaliyski
CEO

COMECO Inc.

Configuring



Important note:

Make sure the version of the configuration program used supports your device.

- ◆ Download the latest version of "TraCon" software from www.tracon.bz and unpack it.
- ◆ Connect TROJ to your PC via the programming connector and the proper communication cable (see www.comecogroup.com/corp/english/pdf/icables_e.pdf).
- ◆ Start "TraCon" configuration software.
- ◆ Select profile type 'J' from 'Configuration' menu.
- ◆ Follow the software menus, help and hints to configure the unit.

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.