

## Specifications

Case	<input type="checkbox"/> bare module, <input type="checkbox"/> for rail, <input type="checkbox"/> box IP65
Ambient Humidity	<input type="checkbox"/> 0...80%, <input type="checkbox"/> 0...95%
Protection Class: case / terminals	<input type="checkbox"/> IP40 / IP20, <input type="checkbox"/> IP20, <input type="checkbox"/> IP65
Input	AC, 50/60 Hz
Input Range	<input type="checkbox"/> 0...1 A, <input type="checkbox"/> 0...5 A, <input type="checkbox"/> .....
Input Isolation	<input type="checkbox"/> transformer 750 VAC
Output Signal	4...20 mA, 2-wire
Maximum Line Load	800 $\Omega$ at 24V/20mA
Current Limits	3 mA / 28 mA
ZERO and SPAN Adjustment	$\pm 10\%$
Power Supply	8...32 VDC
Admissible Supply Variations	$< 10\%$ p-p at 50 Hz
Measurement Error at 25 °C	$\pm 0.5\%$ from span
Non-linearity	$\pm 0.5\%$ from span
Temperature Drift	0.1% from span for 1 °C
Supply Voltage Variation Influence	0.02% from span for 1 V
Ambient Temperature	-20...70 °C

## Warranty and Support

.....  
serial number

.....  
manufacturing date

QC check mark .....(passed)  
(stamp)

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### 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.

QD-8.2.4-WC

v5-11.13

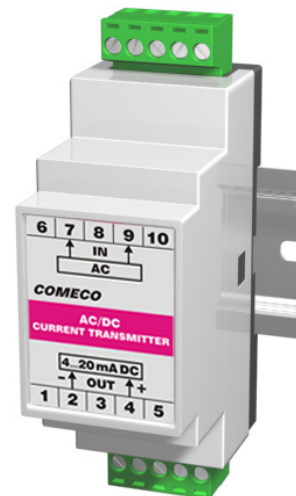


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## AC/DC CURRENT TRANSMITTER

# TRT

## OPERATION MANUAL

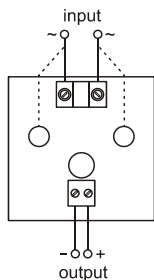


Please read this Operation Manual before mounting and operating!  
Save the Manual for future references!

## Overview

The current-to-current transmitter TRT is designed to convert alternative current signal coming from current transformers into a standard 2-wire current signal, which is more suitable for transmitting. Together with a current transformer, the TRT unit forms an AC/DC current converter suitable to measure big AC currents up to more than 1000 A. Available are 4 different versions: a bare module for mounting inside current transformer type TFC, 2 casings for DIN-rail mounting, and a version enclosed in an IP65 protection box.

## Mounting and Wiring



The dotted lines show the way to wire the input through the mounting holes!

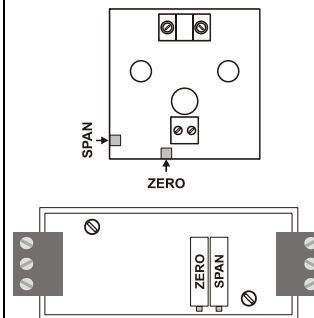
### Mounting

- ◆ TRT as a bare module may be mounted inside a current transformer or on any mounting plate through the 2 openings in the way shown in the image on the title page.
- ◆ TRT for rail mounting may be easily mounted on every 35 mm rail conforming to EN50022.
- ◆ TRT enclosed in an IP65 box is intended for free mounting. To install the box on a mounting plane, first remove the lid and then fix with proper mounting screws through the 4 holes in the box bottom.

### Wiring

- ◆ When wiring a TRT for rail, adhere to the designations on its front label.
- ◆ To wire either of the other TRTs, follow the diagram on the left.
- ◆ Tighten the connecting screws well to ensure the conversion accuracy.

## Calibrating



We recommend calibration at COMECO CALIBRATING LABORATORY.

Nevertheless, if you intend to do calibrations on your own, you can do so via the output-signal low- (4 mA) and high- (20 mA) limit adjustment potentiometers 'ZERO' and 'SPAN'.

## Declaration of Conformity



The undersigned hereby declares, on behalf of COMECO Inc., that this device has been manufactured in compliance with standards EN 61000, EN 61010, and EN 61326, and meets the requirements of Directives 2004/108/EC, 2006/95/EC, and 2011/65/EU.

Krasimir Darakchiev, CEO  
COMECO Inc.

## 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.