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TEMPERATURE CONTROLLER

TC48

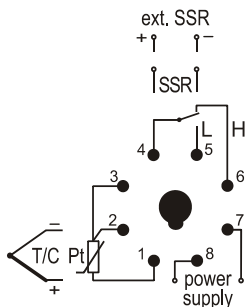
OPERATION MANUAL



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

The TC48 temperature controller is intended for applications, in which the small size is important. Designed to work with a wide range of temperature sensors as well as transmitters with analog output, TC48 can be used to control various technological processes by regulating electrical actuators through a relay control output using the ON/OFF algorithm. With its absence of temperature indication, this device is especially suitable for cases, in which the low price of the control system is a major requirement.

Wiring



To wire TC48, use a standard 8-pin (OCTAL) socket base and follow the diagram on the left.



Important notes:

- ◆ *Strictly observe the supply voltage and relay contact requirements!*
- ◆ *Power supply must be turned off during the wiring!*

Mounting

Panel mounting

- ◆ Remove the mounting clamp.
- ◆ Place TC48 into a 45 x 45 mm panel cut-out.
- ◆ Put on the clamp and tighten.
- ◆ Wire the socket base.
- ◆ Put the base onto the unit.

Rail mounting

- ◆ Mount the socket base on the rail.
- ◆ Wire the socket base.
- ◆ Plug TC48 into the socket base.



The relay hysteresis is fixed by the manufacturer.

- ◆ If its wiring is correct, TC48 starts operating immediately after power-on.
- ◆ Set the desired temperature via the potentiometer dial on the front panel.
- ◆ The 'REL' LED lights while the output relay is active.
- ◆ In case of a damaged sensor, the 'TCB' LED lights (blinks).

Declaration of Conformity



The undersigned hereby declares, on behalf of COMECO Inc., that this temperature controller model TC48 has been manufactured in compliance with standards EN 61010-1 and EN 61326-1, 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 Directive 2012/19/EU on waste electrical and electronic equipment (WEEE).

