

**RB-xxxx-1** <sup>®</sup>

## Operating Instructions



RESISTRON/CIRUS temperature controllers are designed to implement a large number of standard applications. The required secondary voltages and currents can be set within a wide range.

An additional RB-xxxx-1 load resistor must be connected parallel to the current transformer in applications where the current of the heatsealing band is higher than the maximum permissible current of the controller. This load resistor is inserted into the supply lead of the  $I_R$  measurement input.

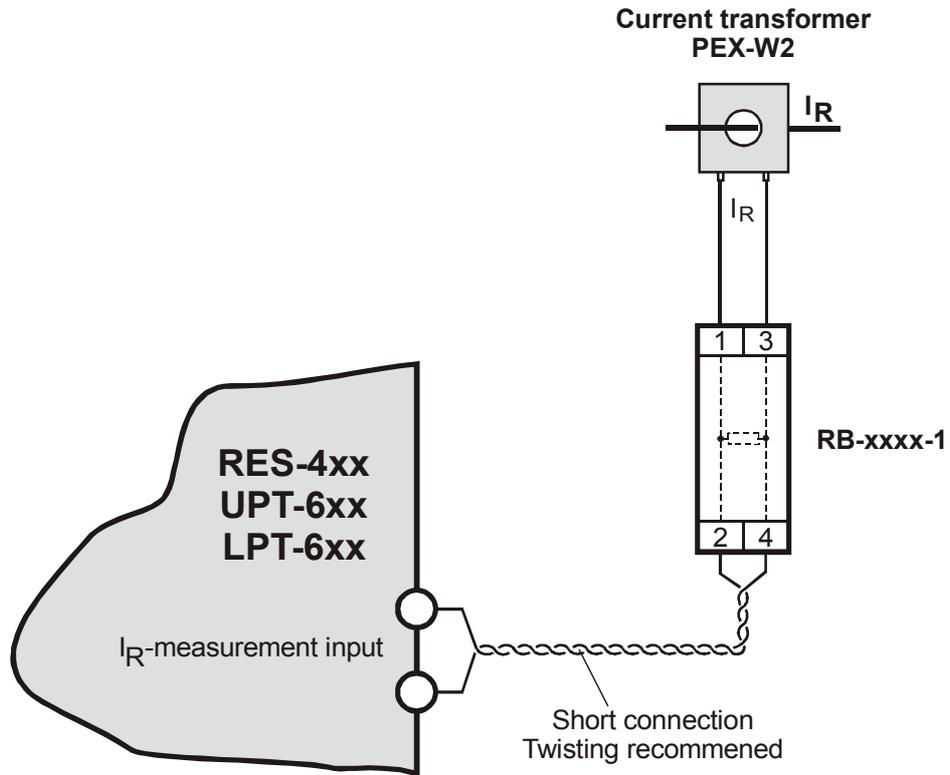
The enclosure of the load resistor can be snapped onto a top hat rail (DIN TS35). It must be installed directly adjacent to the RESISTRON/CIRUS temperature controller. Short connecting cables must be used. It is advisable to twist the  $I_R$  measuring wire between the load resistor and the controller.

**⚠ The information provided in the ROPEX Application Report shall be heeded when using the RB-xxxx-1 in order to avoid malfunctions.**

## Technical data

<b>Type of construction</b>	Enclosure for installation in the electrical cabinet Snaps onto a standard top hat rail (DIN TS35 rail, 35mm) acc. to DIN EN 50022 Dimensions: 79 x 13mm; height: 53mm
<b>Resistance</b>	RB-01R7-1: 1.7ohms; 2.4W RB-04R5-1: 4.5ohms; 2.4W RB-09R0-1: 9.0ohms; 1.2W RB-16R6-1: 16.6ohms; 1.2W
<b>Weight</b>	Approx. 30gr.
<b>Enclosure material</b>	Plastic, UL-94-V0, self-extinguishing
<b>Connecting cable</b> Type / cross-sections	Rigid or flexible; 0.2...2.5mm <sup>2</sup> (AWG 24...12) Connection by means of screw terminals

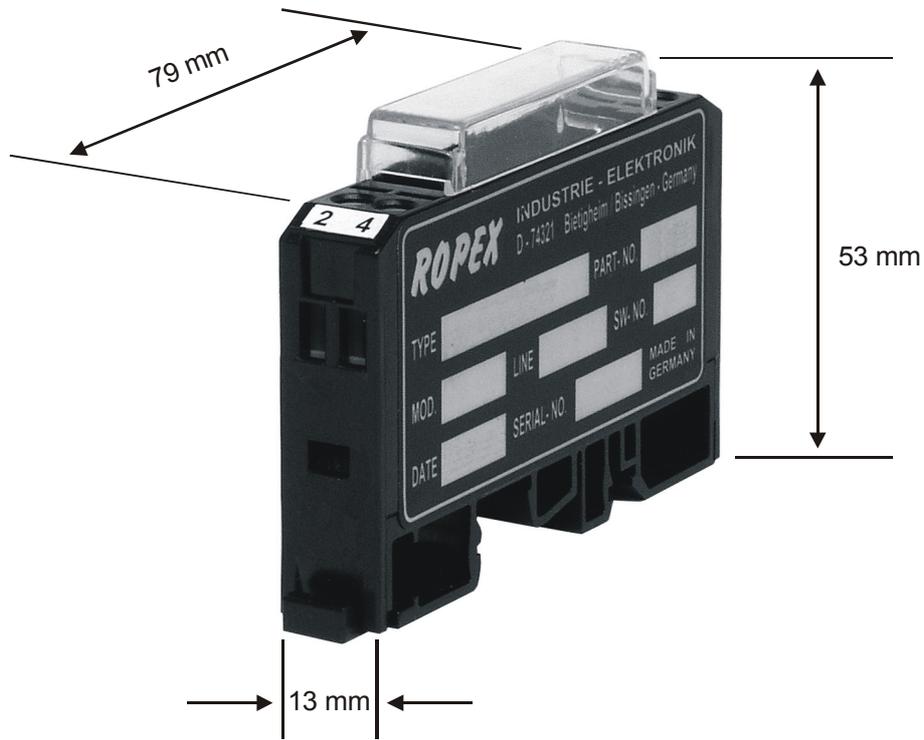
## Wiring diagram



### Connection between RB-xxxx-1 and RESISTRON or CIRUS controller

Controller	RB-xxxx-1 Terminals 2 and 4 connected to (any polarity)
RES-401 RES-403 RES-406 RES-407 RES-408 RES-409	Terminals 10 + 11
RES-402	Terminals 5 + 6
RES-415 RES-420 RES-440 RES-445 UPT-640 (CIRUS) LPT-640 (CIRUS)	Terminals 8 + 9
RESCON-470 (as of 01/2001)	Terminals 20 + 21

## Dimensions



## How to order



### Load resistor RB-xxxx-1

RB-01R7-1 (resistance 1.7ohms):	Art. No. 886103
RB-04R5-1 (resistance 4.5ohms):	Art. No. 886102
RB-09R0-1 (resistance 9.0ohms):	Art. No. 886101
RB-16R6-1 (resistance 16.6ohms):	Art. No. 886104