

# Rod thermostat for use as boiler controller / Safety temperature limiter

## KR 85.3 / LR 85.3

Capillary system – TÜV tested



### Technical data

<b>Switching capacity:</b>	10 (3) A, 24–250 V~, min. 150 mA at 24 V~
<b>Contact:</b>	2 microswitches as potential-free changeover contacts
<b>Ambient temperature:</b>	–20 ... +55°C
<b>Max. sensor temperature:</b>	end-scale value + 15%
<b>Degree of protection:</b>	IP 43 (optional: IP 54)
<b>Protection class:</b>	I
<b>Sensor:</b>	bulb and capillary tube made of Cu and V2A (STB)
<b>Dip sleeve:</b>	nickel-plated brass (ex factory) optional: V4A (1.4571)
<b>Protective spiral:</b>	nickel-plated steel
<b>Colour:</b>	grey (bottom part RAL 7016, upper part RAL 7035)

### Application

For the limitation of temperatures in boiler-, heat reservoir and ventilating systems.  
STB = Safety temperature limiter, switch-off temperature fixly adjusted ex works.  
Temperature decrease required until to unlocking: min. 20 K.  
Dip sleeve or protective spiral are included in the scope of the delivery.  
  
As for the ordering of THK...x17/ NTHK...x17 spare dip sleeves or of protective SWK-200 spare spirals, please choose from the types listed on page 154.

TÜV type tested acc. to DIN 3440, Reg. no.: TR / STB 91301  
TÜV type test acc. to DIN EN 14597 currently performed

Type	Item No.	Control range: / switch-off temperature	Switching difference	Length of dip sleeve / protective spiral	Equipment	PG
KR 85.311-2	C 1850507	0 ... 70°C STB 75°C +0 / -8 K	2 K	100 mm	external setting / TR internal reset / STB	B
KR 85.312-2	C 1850519	0 ... 70°C STB 75°C +0 / -8 K	2 K	200 mm	external setting / TR internal reset / STB	B
KR 85.314-5	C 1850520	35 ... 90°C STB 100°C +0 / -9 K	5 K	100 mm	external setting / TR internal reset / STB	B
KR 85.315-5	C 1850505	35 ... 90°C STB 100°C +0 / -9 K	5 K	200 mm	external setting / TR internal reset / STB	B
LR 85.315-5	C 1850530	35 ... 90°C STB 100°C +0 / -9 K	5 K	200 mm	external setting / TR internal reset / STB	B
<b>Option:</b> IP 54 (degree of protection)						B

TR = Temperature controller, STB = Safety temperature limiter

