

# Rod thermostat for use as boiler double controller KR 85

Capillary system – TÜV tested



## Technical data

<b>Switching capacity:</b>	15 (8) A, 24 – 250 V~, at 24 V~, min.150 mA
<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>FSensor:</b>	liquid filled sensing element made of Cu
<b>Dip sleeve:</b>	nickel-plated brass (ex factory) optional: V4A (1.4571)
<b>Colour:</b>	grey (bottom part RAL 7016, upper part RAL 7035)

## Application

Specially suited for the use in the heating technology sphere in boiler systems or heat reservoir installations, district heating transfer stations or heat transfer installations.

The dip sleeve is included in the scope of the delivery.

As for the ordering of THK...x17/ NTHK...x17 spare dip sleeves, please choose from the types listed on page 154..

**TÜV type tested acc. to DIN 3440** KR 85.1 ... Reg. no.: TR / TW 109302

KR 85.4 ... Reg. no.: TW / TW 109402

**TÜV type test acc. to DIN EN 14597 currently performed**

Type	Item No.	Control range: / switch-off temperature	Switching difference	Length of dip sleeve	Equipment	PG
<b>KR 85.406-2</b>	C 1850506	0 ... 70°C 0 ... 70°C	2 K 2 K	100 mm	internal setting / TW internal setting / TW	B
<b>KR 85.109-2</b>	C 1850518	0 ... 70°C 0 ... 70°C	2 K 2 K	100 mm	external setting / TR internal setting / TW	B
<b>KR 85.100-5</b>	C 1850502	35 ... 95°C 35 ... 95°C	3-5 K, fixed 3-5 K, fixed	100 mm	external setting / TR Inneneinstellung / TW	B
<b>KR 85.101-5</b>	C 1850516	35 ... 95°C 35 ... 95°C	3-5 K, fixed 3-5 K, fixed	200 mm	external setting / TR internal setting / TW	B
<b>KR 85.400-5</b>	C 1850521	35 ... 95°C 35 ... 95°C	3-5 K, fixed 3-5 K, fixed	100 mm	internal setting / TW internal setting / TW	B
<b>KR 85.401-5</b>	C 1850522	35 ... 95°C 35 ... 95°C	3-5 K, fixed 3-5 K, fixed	200 mm	internal setting / TW internal setting / TW	B
<b>KR 85.102-5</b>	C 1850517	35 ... 95°C 50 ... 130°C	3-5 K, fixed 8 K	100 mm	external setting / TR internal setting / TW	B
<b>KR 85.207-5</b>	C 1850513	35 ... 95°C 85 ... 120°C	3-5 K, fixed	200 mm	external setting / TR external reset / TB	B
<b>KR 85.230-5</b>	C 1850504	35 ... 95°C 95 ... 110°C	3-5 K, fixed	100 mm	external setting / TR internal reset / TB	B
<b>KR 85.204-8</b>	C 1850512	50 ... 130°C 95 ... 130°C	6-8 K, fixed	100 mm	external setting / TR external reset / TB	B
<b>Option:</b> IP 54 (protection class)						B

TR = Temperature controller, TW = Temperature monitor, TB = Temperature limiter (manual reset after cooling down by min. 8 K)

