

Capillary thermostats for use as boiler controller KR 80

Capillary system – TÜV tested



Technical data

Switching capacity:	15 (8) A, 24–250 V~, min. 150 mA at 24 V~
Contact:	1 microswitch as potential-free changeover contact
Ambient temperature:	–20 ... +55°C
Degree of protection:	IP 43, IP 54
Protection class:	I
Sensor:	liquid filled sensing element made of Cu
Dip sleeve:	nickel-plated brass (ex factory) V4A (1.4571)
Max. sensor temperature:	full scale+ 15%
Colour:	grey (bottom part RAL 7016, upper part RAL 7035)

Application

Specially suited for applications in the heating technology sphere or for use in heat reservoirs, district heating transfer stations or heat transfer installations.

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

For the ordering of THK/NTHK spare dip sleeves, please choose from the types listed on page 162.



TÜV type test acc. to DIN EN 14597

Type	Item No.	Control range	Switching difference (approx.)	Length of dip sleeve	Equipment*	PG
KR 80.003-1	C 1801726	0...35°C	1 K	120 mm	external setting/TR	II
KR 80.108-1	C 1801707	0...35°C	1 K	120 mm	internal setting/TW	II
KR 80.109-1	C 1801744	0...35°C	1 K	200 mm	internal setting/TW	II
KR 80.027-5	C 1801731	0...70°C	5 K	100 mm	external setting/TR	II
KR 80.035-2	C 1801705	0...70°C	2 K	100 mm	external setting/TR	II
KR 80.028-2	C 1801732	0...70°C	2 K	200 mm	external setting/TR	II
KR 80.116-2	C 1801748	0...70°C	2 K	100 mm	internal setting/TW	II
KR 80.029-2	C 1801733	0...70°C	2 K	280 mm	external setting/TR	II
KR 80.029-2 V4A	C 1801765	0...70°C	2 K	280 mm	external setting/TR	II
KR 80.111-3	C 1801708	0...80°C	3 K	100 mm	internal setting/TW	II
KR 80.009-1 V4A	C 1801728	10...45°C	1 K	200 mm	external setting/TR	II
KR 80.011-1 V4A	C 1801730	10...45°C	1 K	120 mm	external setting/TR	II
KR 80.120-1	C 1801749	10...45°C	1 K	200 mm	internal setting/TW	II
KR 80.206	C 1801720	30...65°C		100 mm	Innenein-/external reset/TB	II
KR 80.206 IP54	C 1801722	30...65°C		100 mm	Innenein-/external reset/TB	II
KR 80.000-5	C 1801700	35...95°C	5 K	100 mm	external setting/TR	II
KR 80.001-5	C 1801723	35...95°C	5 K	200 mm	external setting/TR	II
KR 80.001-5 V4A	C 1801725	35...95°C	5 K	200 mm	external setting/TR	II
KR 80.100-5	C 1801711	35...95°C	5 K	100 mm	internal setting/TW	II
KR 80.100-5 IP54	C 1801738	35...95°C	5 K	100 mm	internal setting/TW	II
KR 80.101-5	C 1801739	35...95°C	5 K	200 mm	internal setting/TW	II
KR 80.124-5	C 1801750	35...95°C	5 K	280 mm	internal setting/TW	II
KR 80.112-5	C 1801747	35...95°C	5 K	600 mm	internal setting/TW	II
KR 80.102-8	C 1801706	40...110°C	8 K	100 mm	internal setting/TW	II
KR 80.103-8	C 1801742	40...110°C	8 K	200 mm	internal setting/TW	II
KR 80.008-8	C 1801727	40...110°C	8 K	100 mm	external setting/TR	II
KR 80.006-8	C 1801704	50...130°C	8 K	100 mm	external setting/TR	II
KR 80.106-8	C 1801743	50...130°C	8 K	100 mm	internal setting/TW	II
KR 80.207	C 1801710	60...95°C		100 mm	internal setting/external reset/TB	II
KR 80.208	C 1801721	85...120°C		100 mm	internal setting/external reset/TB	II
KR 80.202	C 1801709	95...130°C		100 mm	internal setting/external reset/TB	II
KR 80.203	C 1801719	95...130°C		200 mm	internal setting/external reset/TB	II
KR 80.203 IP54	C 1801770	95...130°C		200 mm	internal setting/external reset/TB	II

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

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