

Thermo Regulator KTR-B

- Regulation and monitoring of tempe-
- **Optionally with temperature** indication
- Up to a maximum of 7 functions in one device

Function:

The thermostats work on the principle of liquid expansion. The system is composed of sensor, capillary tube and membrane. When heating up the sensor the expansive liquid is displaced by the capillary tube into the membrane activating there a working stroke. This working stroke actuates the snap switch effecting the opening and closing of the potentialfree contact.

There are several types of thermostats availa-

Regulator and display have separate systems, which are placed together in one protective sleeve.

The housings can be rotated and fixed in all positions. The housing cap is transparent. For the electrical connection the housing cap (4 screws) and the front plate (1screw) have to be detached.

Technical Data - General:

IP 65 Protection: Ambient temperature: -40...+80°C Max operating pressure: 16 bar Material: Housing macrolon Immersion shell brass CuZn37F38 Immersion shell high steel 1.4301 flat plug Electr. connection: 6,3x0,8 (DIN46244)

Thermostat: T5

Contact material: silver Switch voltage max.: 250 VUC Switch current max: 16A-AC; 4A-DC ±3°C Switch precision:* Switch difference max .: * 5°C Regulation range: 0...80°C Thermostat: T10

Contact material: silver 250 VUC Switch voltage max.: 16A-AC; 4A-DC Switch current max.: Switch precision:* ±5°C Switch difference max.:* 10°C Regulation range: 10...120°C

Thermostat: G5

Contact material: gold 24 VDC Switch voltage max.: Switch current: 5mA...0,3A Switch precision:* ±3°C 5°C Switch difference max.:* Regulation range: 0...80°C Temperature display: TA

Measuring range: 0...120 °C Calibration: ±2°Cat70°C

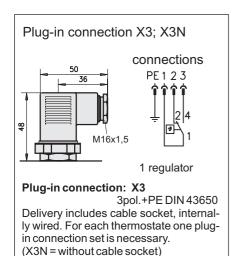
(*see reverse)

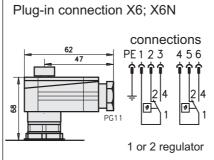
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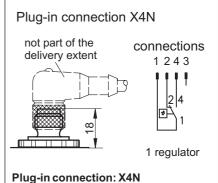
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Plug-in connection: X6 6pol.+PE DIN 43651 Delivery includes cable socket, internally wired. For max two thermostates one plug-in connection set is necessary. (X6N = without cable socket)



Plug-in connection: X4N
4pol. M12x1
Delivery without cable socket, internally wired. For each thermostate one plug-in connection set is necessary.

Submerged sleeve G 3/4 SW 27 G 1/2 Ø 16 MB 1...3 fu.≥ 80mm MB 4...6 functions ≥ 160mm minimum wetting 7 functions ≥ 240mm L =

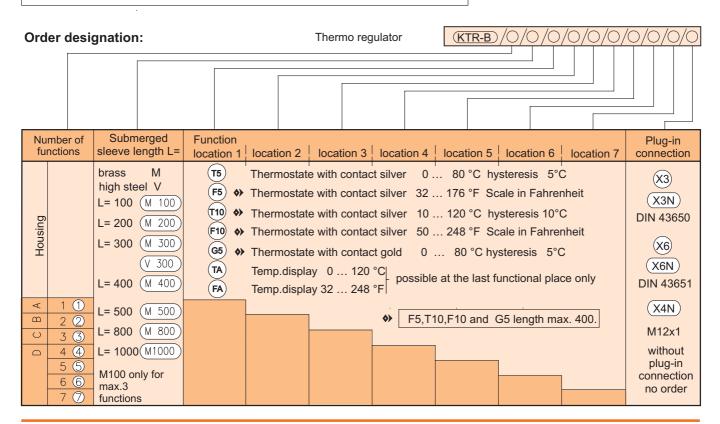
* Switching accuracy:

The given accuracy data are related to an ambient temperature of 25°C for the thermostat casing and to a temperature changing speed of the medium of ≤ 0.5 °C/min.

Order for example:

Thermo regulator for two thermostates with silver contacts, 1 indicator, submerged sleeve brass L=300 and plug-in connection X3

KTR-B/3/M300/T5/T5/TA/X3



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