

## THERMOREGULATOR series KR 10, KR 20



capillary length 500, 1000mm  
load up to 16A

### DESCRIPTION:

- design: switch off or throw-over terminal
  - connection terminal: flat pins 6,3x0,8 according to ČSN EN 612 10
  - number of terminals: 2/3

### TECHNICAL PARAMETERS:

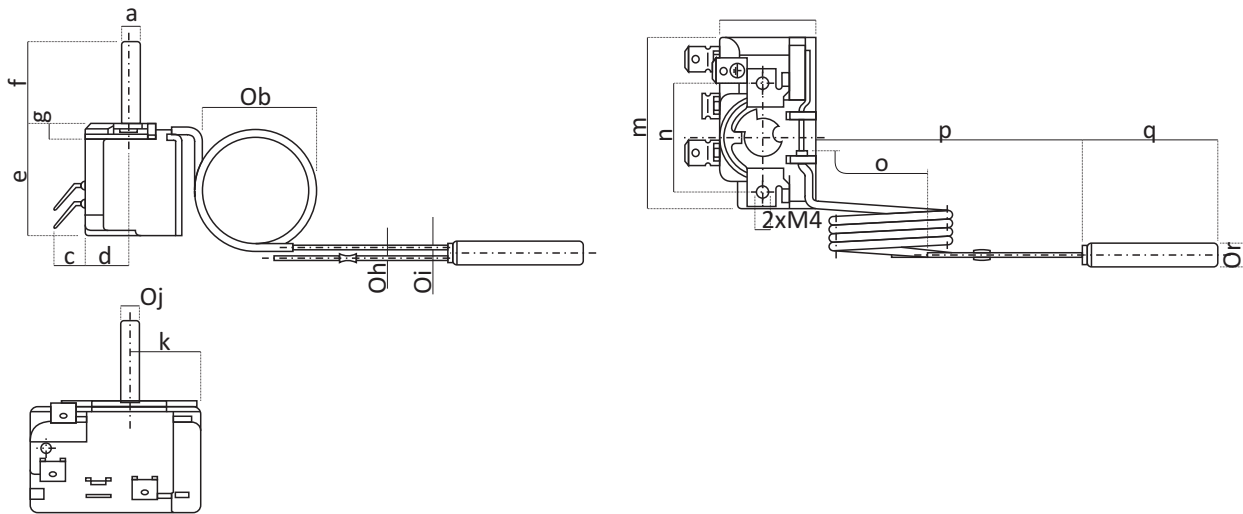
- regulatory range: 7-77°C (KR 10, KR 11)  
35-95°C (KR 20, KR 21)
  - switch off design: KR 10, KR 20
  - throw-over design: KR 11, KR 21
- switching temperature difference: 2-6K
  - nominal current: 16/10A
  - nominal voltage: 240/400V
- max. sensor temperature: 90°C (KR 10, KR 11)  
110°C (KR 20, KR 21)
  - protection: IP 00

### SPECIFICATION:

Thermoregulators (thermostats) are single-pole temperature regulators, whose function is based on principle of fluid expansibility. They consist of two main parts: switch mechanism and capillary temperature sensor. Thermoregulators enable phase-conductor micro-disconnection. They may signalize electric load micro-disconnection. Under normal working conditions the capillary regulators keep appliances temperature or its parts temperature within desired range, preset by the user, by automatic switching of the electric circuit. Capillary regulators are not designed for disconnection of an appliance from electric circuit. The obligatory parameters of the capillary regulator are determined in technical conditions TP MŠ – 030/01.

Type	KR 10 (KR 11)	KR 20 (KR 21)
Regulatory range	7-77°C	35-95°C
Max. switch temp. manuf. deviation	±6°C	±4°C
Switching difference	2-6 K	2-6K
Nominal current	16/10A	16/10A
Nominal sign. circuit current	2A	2A
Minimum current	2A	2A
Loading	ohm. with effect min. 0,95	ohm. with effect min. 0,95
Nominal voltage	240/400V~	240/400V~
Switching mechanism temper. limits	0-90°C	0-90°C
Max. sensor temperature	90°C	110°C
Protection	IP 00	IP 00
Protection class	I	I
Service-life	100 000 working cycles	100 000 working cycles
Automat.type operation	2 BL	2 BL
Min. radius of capillary motion	5mm	5mm
Connecting terminals	flat pins 6,3x0,8 by ČSN EN 612 10	flat pins 6,3x0,8 by ČSN EN 612 10
Number of terminals	2/3	2/3

• Thermostats KR



Dimensions in mm

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
4,6	~20	10,5	11	29	21	5	1	1,2	6h11	18	27	44	28	400	450	38	6

Wiring diagram

