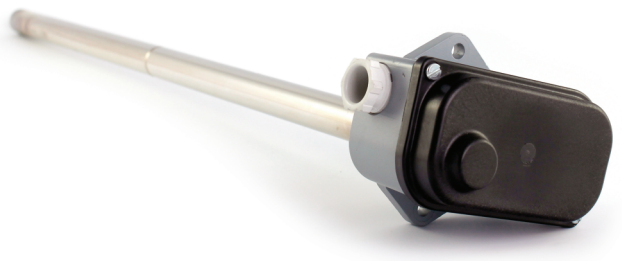
C.1.3.

STEM THERMOSTAT series TH 220, TH 221

protection IP 44
load up to 15A



DESCRIPTION:

- thermostats consist of two main parts: temperature sensor and switching head
- temperature sensitive element is the stem, consisting of brass tube; its dilatation is transferred onto the switching mechanism by invar bar
- the whole thermostat system is closed in a waterproof cover with cable gland P13,5

TECHNICAL PARAMETERS:

- regulatory range: -20+60°C
- switching temperature difference: 1-3K
- setting accuracy: 5%
- contact load: 1A, 60V ss; 0,5A, 120V ss (TH 220) 250V, 15A st (TH 221)
- permitted head temperature: -30+60°C
- permitted stem temperature: 140°C
- protection: IP 44

SPECIFICATION:

Stem thermostats TH 220, TH 221 are temperature-dependent single-pole switches, designed for temperature regulation in gas environment, ex. in air heating pipes or in other closed areas with high humidity and dustiness. They can be used for cooling and air-conditioning purposes, in combination with electric valves it can be used also for regulation of vapour or water heating, or as temperature sensor in heated areas. The core of these thermostats is a reliable mechanical system, that has no power consumption itself. They are known for significantly low operational and maintenance costs compared to electric systems. Switching mechanism consists of quick-break single-pole switch. The scale of switching temperatures is marked directly on the regulatory knob. Thermostat mounting is performed by two screws on the feet on thermostats head. It is essential to avoid mechanical load of the stem during the installation.

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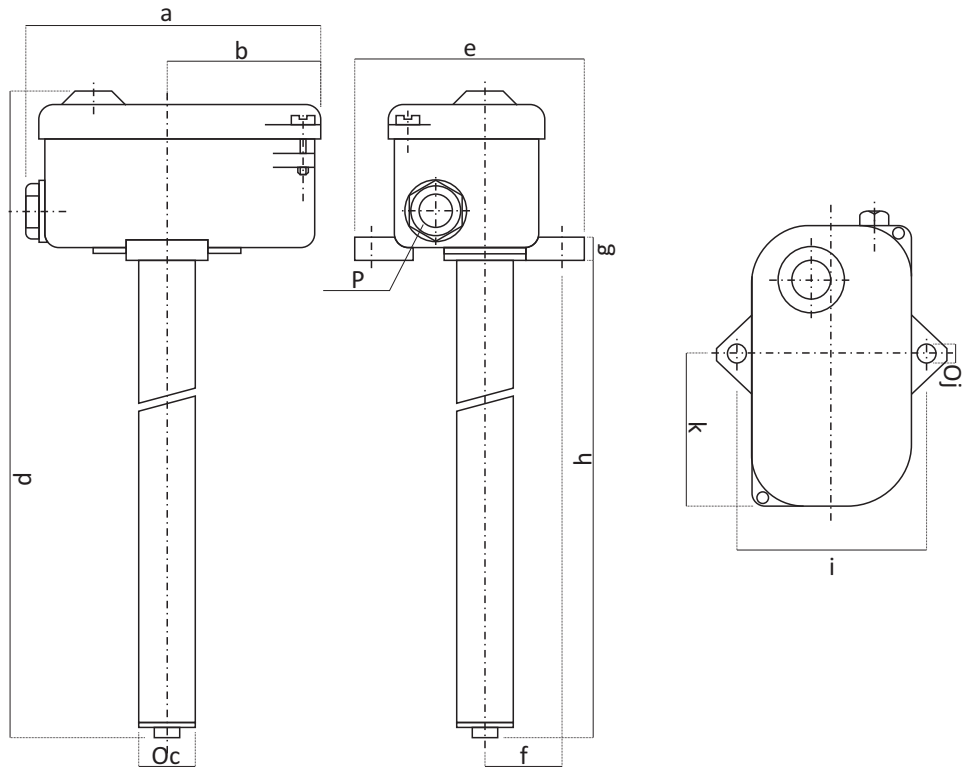
Type	TH 220	TH 221
Regulatory range	-20+60°C	-20+60°C
Contact load	1A, 60V ss; 0,5A, 120V ss	15A, 250V st
Switching temp. difference	1-3K	1-3K
Permitted head temp.	120°C	120°C
Permited stem temp.	140°C	140°C
Weight approx.	0,8 kg	0,8kg
Protection	IP44	IP 44
Setting accuracy	±5% from the highest nominal switching temperature	

• TH 220, TH 221



Dimensions in mm											
a	b	c	d	e	f	g	h	i	j	k	P
108	56	20	603±3	86	27,5	8	560,5±2	70±0,3	7	56	P13,5

Wiring diagram