Thermostatic head with remote immersion sensor art. T 5011U



Thermostatic heads with remote immersion sensor can be used on any IVAR valve predisposed for thermostatic control to the purpose of controlling the temperature of the heating fluid. Usually they find their typical application in fixed-point mixing system, which has to keep the temperature of the distributed heating fluid constant. The sensor must be inserted in a probe holder, that must be installed in the point where the fluid temperature should be kept constant, so to be always bathed in the fluid. According to the detected temperature value, the sensor acts on the valve shutter by opening or closing it so to mantain the set temperature.

TECHNICAL FEATURES

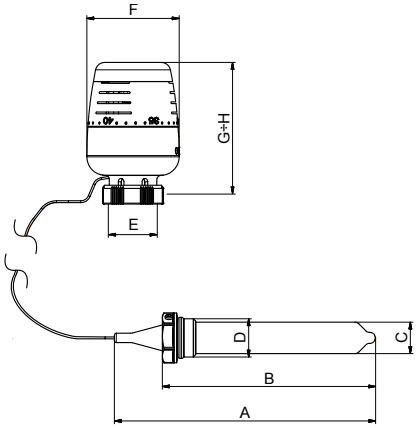
Liquid expansion thermostat
Setting range: 30÷50 °C
Hysteresis: 0.6 K
Heat element inalterability range: -15÷+60 °C

Possibility of limiting and blocking the setting.

MATERIALS

Knob: ABS
Head body: PC and ABS blend
Limiting and locking washer: PA 6 + 30 % glass
Ring nut: CW617N brass
Safety device:
- cartridge and spindle: POM
- spring: spring steel wire DIN 17223 class D
Liquid expansion thermostat
Holder for remote probe: brass

DIMENSIONS



ART.	COD.	A	B	C	D	E	F	G	H	capillary length
T 5011U	501175U	142	116	Ø17	G 1/2"	M30×1.5	Ø50	73	78	1 m

OPERATING INSTRUCTIONS

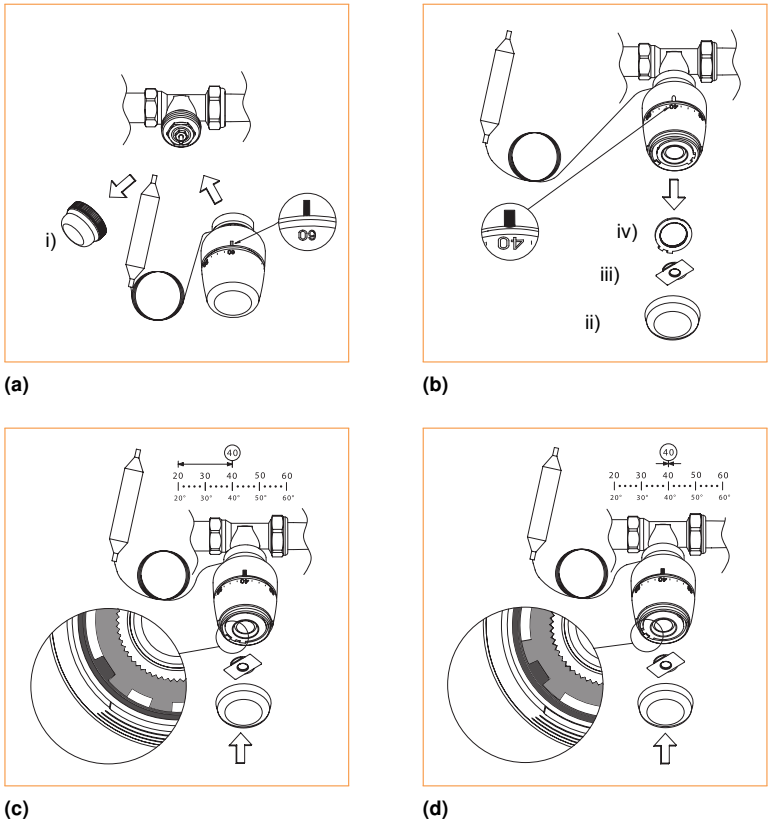
Installation

To mount the thermostatic head, proceed as follows

- Remove the adjustment cover (i) in Fig.1a;
- Place the setting on “50”;
- Fit the head to body, by manually screwing the ring down.

Limiting and locking the setting

- Set the head in the required position (e.g., “40”);
- Use a screwdriver to disassemble the cover (ii), the locking cap (iii) and the first of the toothed washer (iv) represented in Fig.1b;
- Reassemble the washer (iv) as in Fig.1c if you want to limit the setting from “30” to “40”;
- Reassemble the washer (iv) as in Fig.1d if you want to lock the setting to value “40”;
- Reassemble the locking cap (iii) and the cover (ii).



(a) **(b)**

(c) **(d)**

Fig. 1: Head installation and regulation setting and locking.

NOTES

For the circuit to work properly, we recommend installing a differential pressure valve between delivery and return. To avoid excessive noise in the circuit, avoid using thermostatic valves with Δp values higher than 0.2-0.25 bar.

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