

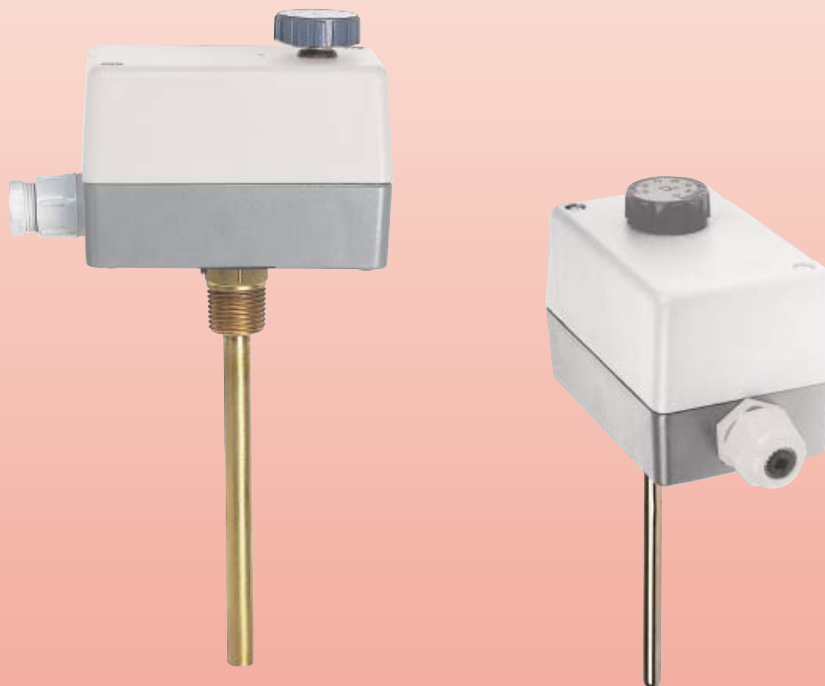


Rod Thermostats for General Applications



measuring
•
monitoring
•
analysing

TEA-S



- Switching range:
-30 ... +30 °C ... +50 ... +120 °C
- Material:
Housing: plastic
Probe: copper
- Single contact switching



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KOBOLD Messring GmbH
Nordring 22-24
D-65719 Hofheim/Ts.
Head Office:
+49(0)6192 299-0
+49(0)6192 23398
info.de@kobold.com
www.kobold.com

Description

The rod thermostats are fitted with liquid-filled probes made of copper that act as temperature-dependant pressure probes. A change in temperature causes a pressure change in the probe, which is transferred to a switch by a bellows system. A compression spring acts as a counteracting force. The switching values are set by changing the initial stress of the compression spring with a setpoint spindle. A thermowell with R½ external thread made of brass or stainless steel (optional) is part of the scope of delivery. The rod thermostats are available with adjustable switching difference or temperature switch, temperature controllers and safety temperature limiters according to DIN 3440.

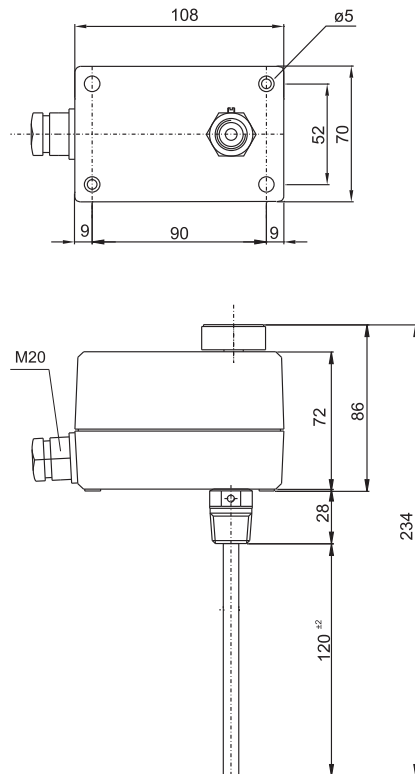
Rod thermostats with fixed or adjustable switching difference



Technical Details

- Material:
- Housing: impact-resistant plastic
 - Probe: copper, liquid-filled
 - Thermowell: brass, optional st. steel 1.4301
- Connection: R½ male, immersion depth 120 mm
- Contact operation: single-pole, floating changeover contact, dust proof
- Hysteresis: adjustable from inside or fixed
- Switching capacity: 24 - 250 V_{AC},
15 A at 250 V_{AC}
8 A at 250 V_{AC} inductive
- Ambient temperature: max. 55 °C
- Protection: IP 65

Dimensions



Applications

- Monitoring and control of temperatures of liquids and gases
- Heating, ventilation, air conditioning technology
- Mechanical engineering, vessel and equipment manufacturing

Order Details (Example: TEA-S 3133 M A)

Setting range	Max. probe temperature	Order number		Thermowell material	Option
		Hysteresis 1 K fixed	Hysteresis 2-20 K adjustable		
-30...+30 °C	60 °C	TEA-S 3133... ¹⁾	TEA-S 2133... ²⁾	..M.. = Brass ..V.. = Stainless steel	..0 = without ..A = full internal adjustment
0...+60 °C	75 °C	TEA-S 3106...	TEA-S 2106...		
+20...+90 °C	100 °C	TEA-S 3129...	TEA-S 2129...		
+50...+120 °C	140 °C	TEA-S 3112...	-		

¹⁾ only with option 'A'
²⁾ only with option '0'