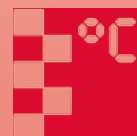


## Capillary Thermostats for General Applications

### TEA-K



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



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## Description

The capillary 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. Probe and bellows system are connected with a copper capillary. 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.

## Capillary tube thermostats single contact



## Technical Details

Material:

- Housing: impact-resistant plastic
- Probe: copper, liquid-filled
- Capillary tube: copper

Contact operation: single-pole, floating changeover contact, dust proof

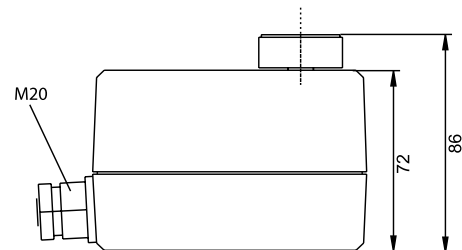
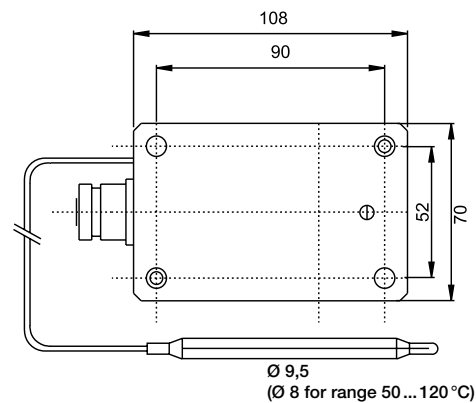
Hysteresis: 2-20 K adjustable

Switching capacity: 24 - 250 V<sub>AC</sub>,  
15 A at 250 V<sub>AC</sub>  
8 A at 250 V<sub>AC</sub> inductive

Ambient temperature: max. 65 °C

Protection: IP 65

## Dimensions [mm]



## Applications

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

## Order Details (Example: TEA-K 3133 1 0)

Setting range	Max. probe temperature	Hysteresis adjustable	Order number	Length of capillary tube	Option
-30 ... +30 °C	60 °C	2-20 K	TEA-K 3133...	..1.. = 1,5 m	..0 = without ..A = full internal adjustment
0 ... +60 °C	75 °C		TEA-K 3106... <sup>1)</sup>		
+20 ... +90 °C	100 °C		TEA-K 3129...		
+50 ... +120 °C	150 °C		TEA-K 3112... <sup>1)</sup>		

<sup>1)</sup> only available with option '0' (no full-internal adjustment available)