



TAM 813

Capillary tube thermostats Type series TAM

with 1.5 m capillary tube

The sensor cartridge at the end of the capillary tube is the actual active (temperature-sensitive) part of the sensor. Changes in temperature on the capillary tube have no effect on the switching point. Pressure-tight installation of the sensor in pressure vessels of all kinds is possible with the aid of immersion tubes.

Technical data

(not applicable to Ex versions)

Body	Diecast aluminium GD Al Si 12 according to DIN 1725.
Mounting position	Any, preferably vertical
Max. ambient temperature at switching device	+70°C +60°C for Ex versions
Capillary tube	Cu capillary tube, 1.5 m long Other capillary tube lengths are not possible
Sensor cartridge	8 mm Ø, 100 mm long, material: Cu
Contact arrangement	Single pole changeover switch
Switching capacity	8 (5) A 250 VAC
Degree of protection	IP 54 according to DIN 40050 (with vertical installation)
Mounting	Temperature sensor with or without immersion tube in containers, air ducts etc. Switching device with 2 screws (Ø 4) directly on a flat wall surface
Calibration	Scale value corresponds to the lower switching point (with falling temperature), the upper switching point is higher by the amount of the switching differential
Plug connection	Via angled plug to DIN 43650
Switching temperature	Adjustable via the setting spindle with a screwdriver
Switching differential	Not adjustable
Immersion tubes	see page 32.

Product Summary

Type	Setting range	Switching differential (mean value)	Max. perm. temperature at sensor
TAM 022	-20 to + 20°C	1.5 K	110°C
TAM 150	+10 to + 50°C	1.5 K	110°C
TAM 490	+40 to + 90°C	2.0 K	125°C
TAM 813	+80 to +130°C	2.0 K	150°C

Ex-version · Degree of protection **Ex** II 2 G/D EEx de IIC T6 IP65 T80°C
(Technical data see page 18)

Ex-TAM 022	-20 to + 20°C	1.5 K	110°C
Ex-TAM 150	+10 to + 50°C	1.5 K	110°C
Ex-TAM 490	+40 to + 90°C	2.0 K	125°C
Ex-TAM 813	+80 to +130°C	2.0 K	150°C

Specification

Capillary tube thermostat type TAM ...
Range of adjustment from ... to ...°C.
Capillary tube length 1.5 m, diecast aluminium with plug connection to DIN 43650.

+ Accessories

Immersion tube type ... R 1, R 2, R 3, RN 1, RN 2.

Dimensions:

