



**2-POLE FAIL SAFE  
TEMPERATURE LIMITER,  
SAFETY SENSOR VTS-02**

# 2-POLE FAIL SAFE TEMPERATURE LIMITER, SAFETY SENSOR VTS-02



These safety devices automatically switch off the current in the controlled circuit as the temperature is reached, and switch it on again as the temperature falls below the set threshold value. The temperature of the controlled medium is thus maintained within a narrow zone. The limiter makes a last full annexation in case of mechanics injury.

Working temperature range: 77 – 320 °C

Areas of application:

- water heaters, hot water storage tanks

Trouble-free operation is conditioned by proper heat transfer between the controller's sensor and the controlled medium.

In case of capillary-damage or liquid-leakage, the device will cut the circuit one last time as positive safety-feature.

## TECHNICAL DATA

Lifetime:	1000 switching cycles	Working range:	77-320 °C
Switching power:	20(4)A-4(1)A/250 V~ 16(4)A-4(1)A/400 ~V	Conductive connection:	A6,3X0,8 tab contact A6,3X0,8 tab contact – M3 screw terminal
Way of operation:	2AGKLM		M3 screw terminal
Max.temp. for the main unit:	85 °C / 150 °C	Capillary tube:	Ø 1,6 (INOX)
Protection class:	Class 0. / IP 00	Capillary tube length:	250 - 2400 mm
Operation environment:	Normal	of bulb:	Coiled inox tube: INOX: Ø 6;
Heat and fire resistance:	D	Max. bulb temperature:	Max. working temperature +15%
Leakage current resistance:	≥175	Manual reset temp.:	25± 5°C

## TYPE-EXAMPLES

Type Code	Type mark	Dial scale °C	Sensor ØD x L1/mm/ Material	Capillary tube Ød x L2 /mm/	Protection tube L3 /mm/	Anti-break protection Rt
VT-5276-0-231-1	VT-20-01	105 ± 5	6,1 x 48 Cu	1,8 x 1030	590	M
VT-5276-0-237-0	VT-20-01	99 - 9	6,1 x 48 Cu	1,8 x 475	460	M
VT-5276-0-240-2	VT-20-01	80 ± 5	6,1 x 48 Cu	1,8 x 1030	590	M





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