



STW1

STB/STW

Temperature monitors, temperature limiters, type-tested

Temperature monitors and temperature limiters are tested according to Pressure Equipment Directive RL2014/68/EU, meet the requirements of DIN EN14597 and can thus be used for heating systems according to DIN EN12828, for steam and hot water systems

and for district heating systems. The devices with safety function (STW, STB) are self-monitoring, i.e. in the event of breakage or leaks in the measuring system the circuit is opened and the system is switched off towards the safe side.

Technical data

Body	Diecast aluminium with plastic cover.
Immersion tube	Brass G 1/2", included with product Stainless steel G 1/2", order separately. Type T4NST or T5NST, see Product Summary
Permitted ambient temperature	+80°C at the switching head
Switching point accuracy	(in upper third of scale) for STW, STB: ± 5 % for TR: ± 1.5 % (in % of scale range)
Switching differential	(in % of scale range) for STW, STB: 4–6%
Lead seal	The cover of the switching device can be lead sealed so that the internal settings of the limiter switching points are no longer accessible after sealing.
Switching capacity	10 (2) A, 250 VAC
Degree of protection	IP 54

Type	STW1	TWP1	STB1
Function	Safety temperature monitor	Temperature Monitor	Safety temperature limiter
Setting range	20 to 150 °C	20 to 150 °C	60 to 130 °C
Setting	internal	internal	internal
Controls accessible from outside	no	no	Reclosing button
Contact	changeover	changeover	opener contact
Reclosing lockout (internal)	no	no	yes
Max. temperature at sensor	175 °C	175 °C	150 °C
Immersion depth	150 mm	100 mm	150 mm
Permitted pressure, brass immersion tube	40 bar	40 bar	40 bar
Permitted pressure, stainless steel, immersion tube	80 bar, T4NST	80 bar, T4NST (150 mm)	80 bar, T4NST

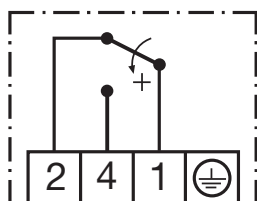
Immersion wells, stainless steel, 1.4571, G1/2", ø 8 mm

Temp. monitor, temp. limiter	Immersion depth	Type
STW1, TWP, STB1	150 mm	T4NST

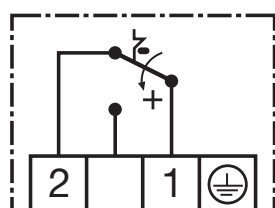


STB1

Connection schemes:



STW, TWP



STB

Dimensioned drawings (mm)

