



STB+TW

## STB/STW

### Temperature monitors, temperature limiters, type-tested

Temperature monitors and temperature limiters are tested according to Pressure Equipment Directive 2014/68/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

<b>Body</b>	Diecast aluminium with plastic cover.
<b>Immersion tube</b>	Brass G 1/2", included with product Stainless steel G 1/2", order separately. Type T5NST, see Product Summary
<b>Permitted ambient temperature</b>	+80°C at the switching head
<b>Switching point accuracy</b>	(in upper third of scale) for TW, STW, STB: ± 5 % for TR: ± 1.5 % (in % of scale range)
<b>Switching differential</b>	(in % of scale range) for TR, TW: 3–4 % for STW, STB: 4–6%
<b>Lead seal</b>	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.
<b>Switching capacity</b>	10 (2) A, 250 VAC
<b>Degree of protection</b>	IP 54

Type	STW+TR	STB+TW	STB+TR
Function	Safety temperature monitor and controller	Safety temperature limiter and monitor	Safety temperature limiter and monitor
Setting range	20 to 150 °C	30 to 110 °C	30 to 110 °C
Setting	STW internal TR external	STB internal TW internal	STB internal TR external
Controls accessible from outside	Setting wheel for TR	Reclosing button	Reclosing button and setting wheel for TR
Contact	2 x changeover	NC (STB) and changeover (TW)	NC (STB) and changeover (TR)
Reclosing lockout (internal)	no	yes	yes
Max. temperature at sensor	175 °C	130 °C	130 °C
Immersion depth	150 mm	150 mm	150 mm
Permitted pressure, brass immersion tube	25 bar	25 bar	25 bar
Permitted pressure, stainless steel immersion tube	40 bar T5NST	40 bar T5NST	40 bar T5NST

#### Immersion wells, stainless steel 1.4571, G1/2", Ø 15mm

Temp. monitor, temp. limiter	Immersion depth	Type
STB+TW STB+TR STW+TR	150 mm	T5NST



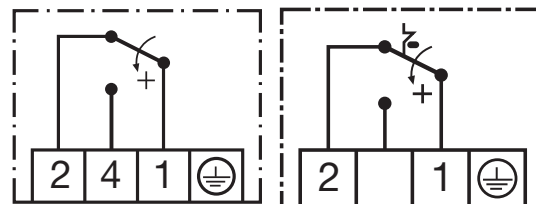
STW+TR



STB+TR

#### Connection schemes:

In devices with a dual function there are 2 switching elements. Pay attention to the function of the relevant switch when connecting.



STW, TR, TW

STB

#### Dimensioned drawings (mm)

