

## Control thermostat / temperature limiter



### Application

Suitable for the installation in hot water storage unit, warm water boilers, etc.

### Features

Single-pole rod type thermostat with break contact and built in double pole temperature limiter, according to the following European Standard:

EN 60 730-1: 2000 + current modifications

EN 60 730-2-9: 2002 + current modifications

EN 60 335-1: 2002 + current modifications

EN 60 335-2-73: 2002 + current modifications (hot water storage unit / fixed immersion tubes)

TR:

- Single-pole micro switch with off-switch
- Operation mode TYPE 1 B (DIN EN 14597)

STB:

- If nominal value is reached the limiter switches off and stays locked in this position
- Reset is performed manually and is only possible after the sensing element is cooled off by approx. 20 K
- Double pole micro switch with off-switch
- Type 2 BDEFHKL (DIN EN 14597)
- Time factor of sensing element acc. EN 14597
- Environmental conditions for pollution: normal

### Type summary

Order-no.	Type	Sensing element length	Range [°C]	Cut-off temperature $\vartheta_{off}$	Weight [gr.]
005-2001	WTS165.085	165 mm	5...85	95°C	160
005-2002	WTS261.085	261 mm	35...85	95°C	200
005-2003	WTS442.085	442 mm	55...85	95°C	240

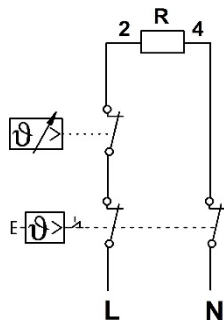
- **Suitable for horizontal and vertical installation**
- **Delivery without immersion tube**
- **Suitable for inner diameter 6.5 and 7 mm**

### Technical Data

The following indications are valid for standard types of the WTS-series. Due to the function, other types show different data.

Switching system	Life time TR / STB	100'000 / 30 cycles of operation
	Electrical connections	Screw terminal M4
	Switching capacity at $\Omega$ load	230 VAC / 20 A
Application range	Thermal switching differential	6.0 $\pm$ 3.0 K
	Ambient temperature	T 105 °C
Calibration	Calibration tolerance	$\pm$ 3.0 K

**Wiring diagram**



**Dimension drawing**

