

Twin thermostats with housing GDT



Benefits

- Mechanical temperature controller
- Ideal for all heat and process engineering applications
- With integrated safety temperature cut out
- Control directly at the process

Application

Twin thermostat with housing with pocket. Available with two temperature control thermostats (TRT) for controlling heating and cooling processes in industrial and domestic applications. Also available as version with temperature control thermostat (TRT) and safety temperature cut out (STB) with manual reset knob. The device is suitable for application areas in the field of heat and process engineering.

Description

The temperature measured at the probe causes a change in the volume of the measuring liquid. Electrical switching is triggered by the force acting. The pocket allows for direct installation in pressure-tight tanks.



Technical specifications

Type

GDT/TLSC

Operating range/switching point

See ordering table

Tolerance

TRT: ± 3 K

STB: $+0$ K/ -6 K at ambient temperature 20 °C

Switching differential

$\Delta T 4 \pm 1$ K

Setting

GDT/8HR: Internal/external

GDT/8RS: Fixed/external

GDT/TTCA: Internal/external

Probe element

Liquid-filled

Pocket

Cu alloy

Connection: $\frac{1}{2}$ -14 NPT

Diameter: $\varnothing 16$ mm, profile version

Length: 100 mm, 280 mm

Operating temperature range

Probe: Max. 125 °C

Housing: Max. 80 °C

Process pressure

Max. 4 bar

Probe

Copper

Housing

Plastic (PVC), grey (RAL 7035)

Cable entry

Plastic (PVC), black

M20 x 1.5

Degree of protection

IP 40 (EN 60529)

Time constant

DIN-tested

DIN EN 14597:2012-09

Registration number TR/STB 1231

Electrical switching contact

2 x changeover contact

Contact rating

TRT

NC AC 250 V, 10 (2.5) A

NO AC 250 V, 6 (2.5) A

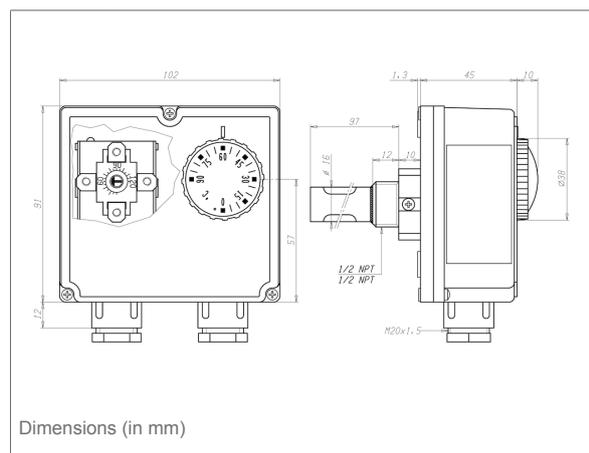
STB

NC AC 250 V, 10 (2.5) A

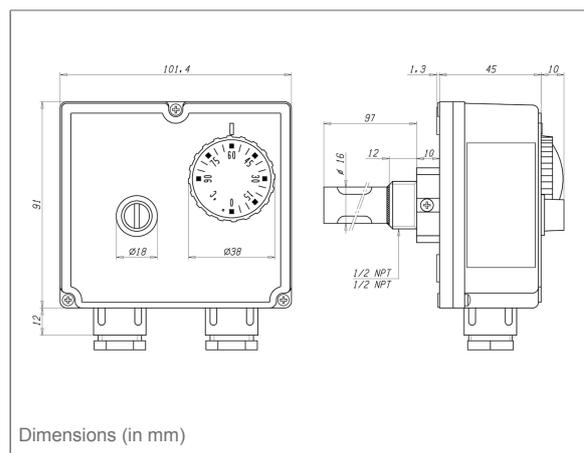
NO AC 250 V, 10 (2.5) A

Technical drawings

GDT/8HR, version TRT/TRT



GDT/8RS, version TRT/STB





Versions

	Adjustment	Operating range	Switching point	Stem length	Part no.
Twin thermostat with housing GDT/8HR	Internal/external	0/90 °C 0/90 °C	–	100 mm	67447X
Twin thermostat with housing GDT/8RS	Fixed/external	0/90 °C	100 °C	100 mm	67453X
Twin thermostat with housing GDT/TTCA	Internal/external	0/60 °C 30/120 °C	–	280 mm	67640

Blue part no. = in-stock items