



TRTS
without LCD display



TRTS xxxD
with LCD display



TRTS xxxSS
stainless steel enclosure

stainless steel enclosure,
vandalism secure version
for schools, military barracks
and public buildings

Features

- Active transmitters
0-10 Vdc or 4-20 mA output
- 8 different temperature ranges in same unit,
selectable via jumpers on pcb
-20°C to +150°C, -50°C to +50°C, -20°C to +80°C,
-30°C to +60°C, 0 to +40°C, 0 to +50°C, 0 to +100°C
and 0 to +150°C.
other temperature ranges on request
- IP 30
- ABS plastic enclosure or stainless steel enclosure

Application/Description

The room temperature transmitter TRTS have been designed for wall mounting and is used to sense temperature in heating, ventilating and air conditioning systems.

The housing have ventilated openings with connection terminal PCB and temperature sensing element inside the housing.

The unit can be mounted on surface or on a conduit box.

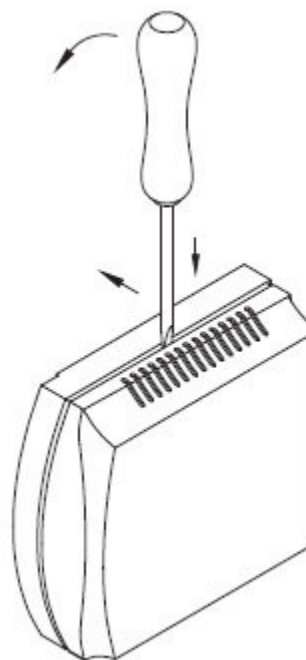
Ordering

Room temperature transmitter

Type no.	Output	Housing	Display
TRTS 010	0-10 Vdc	ABS plastic	No
TRTS 010D	0-10 Vdc	ABS plastic	Yes
TRTS 010SS	0-10 Vdc	stainless steel	No
TRTS 420	4-20 mA	ABS plastic	No
TRTS 420D	4-20 mA	ABS plastic	Yes
TRTS 420SS	4-20 mA	stainless steel	No

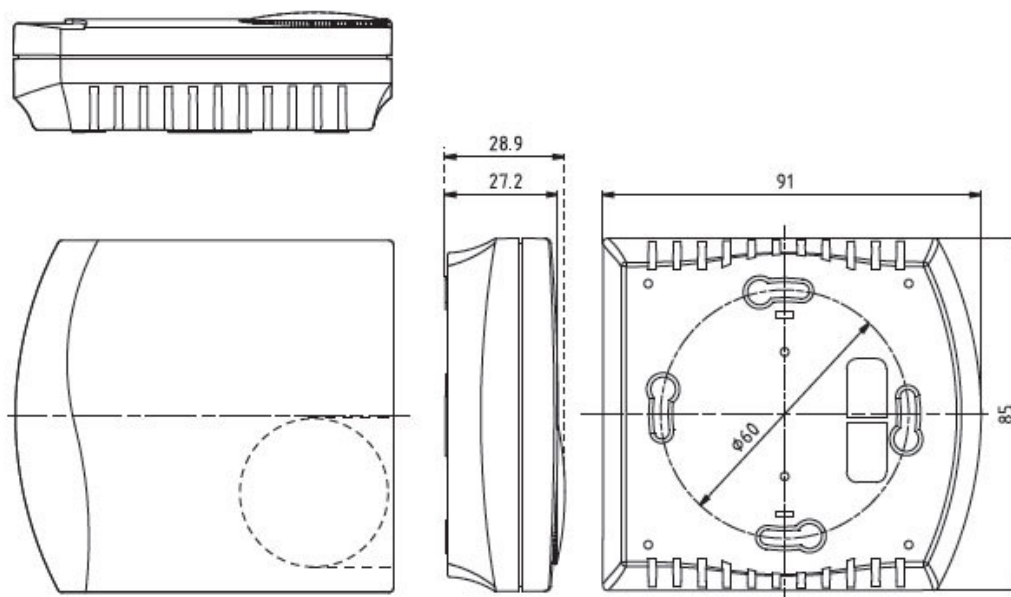
Technical data

Measuring ranges	8 different temperature ranges in same unit as standard selectable via jumpers on pcb. with manual zero point correction (+/-10K)
Sensing element	PT1000, DIN EN 60751, class B
Accuracy	0.3 K (Kelvin)
Connections	3-wire for 0-10 Vdc 2-wire for 4-20 mA
Power supply	24 Vac/dc +/- 10% for output 0-10 Vdc 15-35 Vdc for output 4-20 mA
Protection type	IP30 (according to EN 60529)
Ambient temperature	-30 °C to +70 °C
Humidity	< 95% r.H. non-precipitating air
Protection class	III (according to EN 60730)
Standards	CE conformity, electromagnetic compatibility according to EN 61326:2006 according to EMC directive 2004/108/EC
Display	8-digit display, cutout 36x14 mm (W x H), for displaying actual temperature (only for TRTS 010D and TRTS 420D)

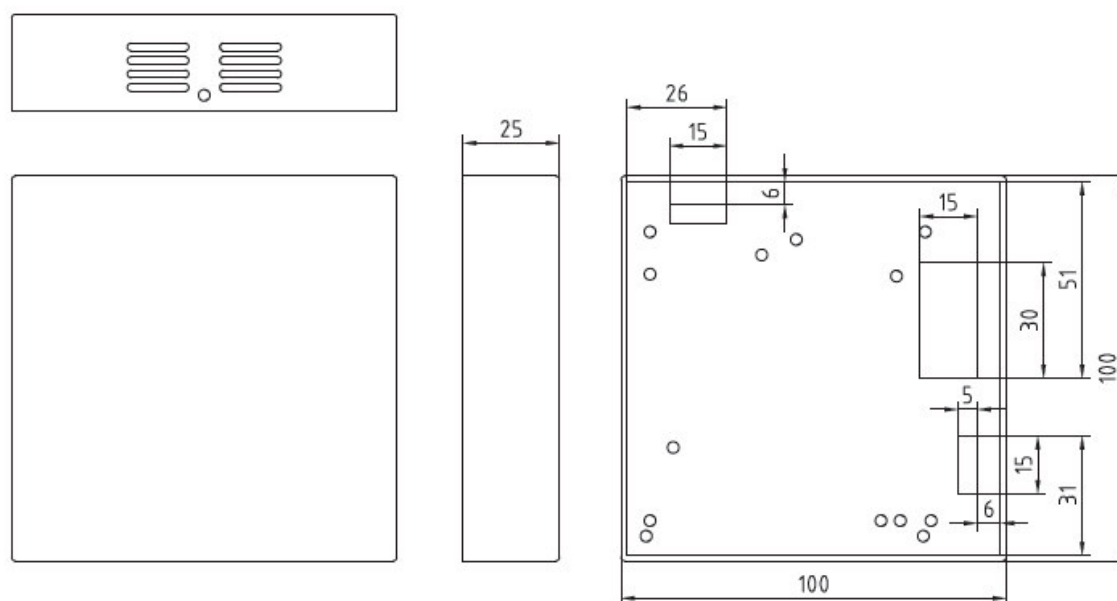


To open the enclosure,
set a screwdriver (2.0) in the groove at centre,
press down, and lift up the bottom frame slightly.
Pull top cover forward and hold it.

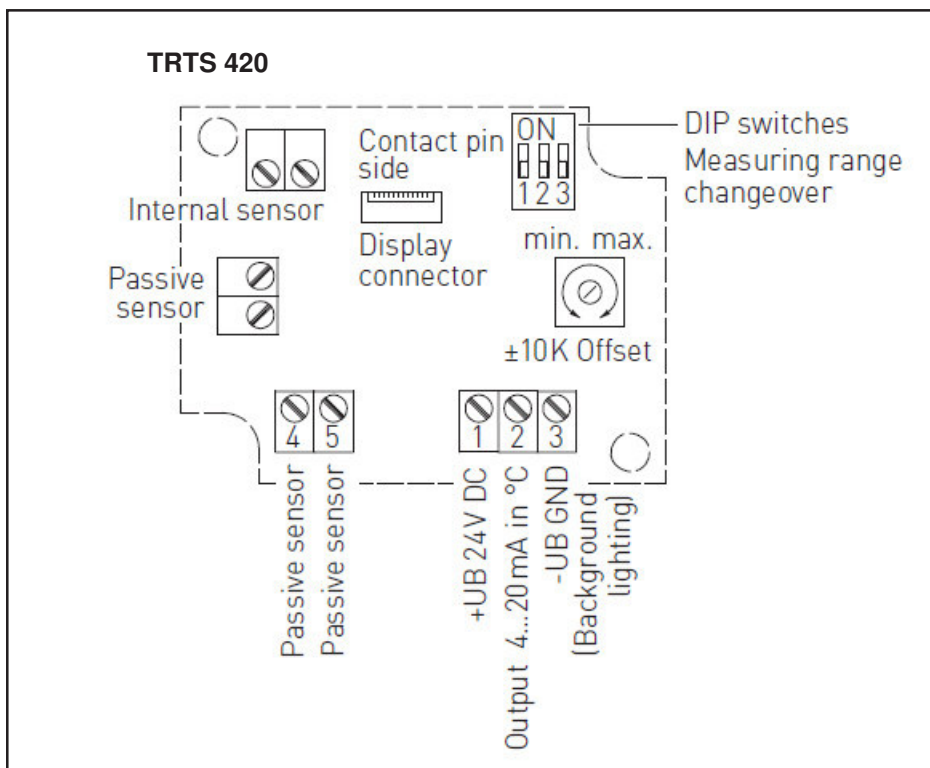
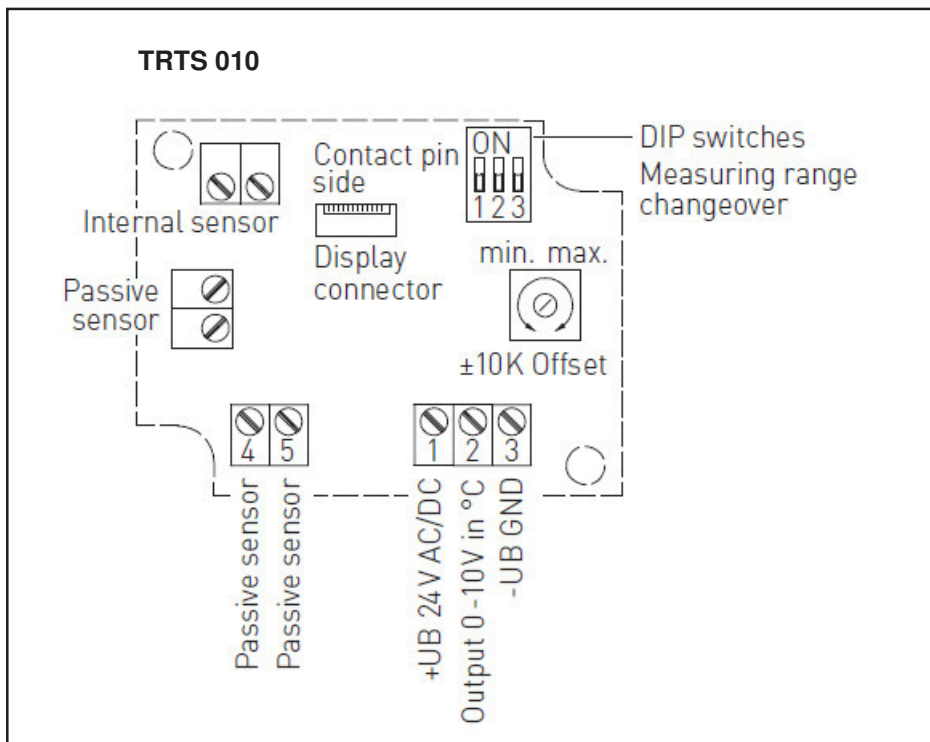
Dimensions in mm for ABS plastic enclosure



Dimensions in mm for stainless steel housing



Electrical connections



8 different temperature ranges in same unit, selectable via jumpers on pcb

Measuring ranges (adjustable)	DIP 1	DIP 2	DIP 3
-20 °C ... +150 °C	ON	ON	ON
-50 °C ... +50 °C	OFF	ON	ON
-20 °C ... +80 °C	ON	OFF	ON
-30 °C ... +60 °C	OFF	OFF	ON
0 °C ... +40 °C	ON	ON	OFF
0 °C ... +50 °C	OFF	ON	OFF
0 °C ... +100 °C	ON	OFF	OFF
0 °C ... +150 °C	OFF	OFF	OFF

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