

STR500, STR502, STR504

Room Temperature Sensor



The STR500 Series Wall Sensors are optimized for public facilities such as office buildings, hotels, hospitals, schools and shopping malls. Their pleasant appearance and well-designed interface makes them suitable for any contemporary building. They are easy to operate and install.

This STR500 series can be used together with the Continuum system products and they replace the TTS-S-1 and TTS-SE-1. The STR502 also has a set value adjustment and LED mode indicator. The STR504 has the same features as the STR502, with the addition of an override / occupancy switch.

Both devices come complete with a socket for a laptop service tool / Inifinet connector.

Product Specifications

Sensor element STR500	NTC, 10 kohm at +25 °C (77 °F)
Ambient temperature:	
Operation	0 – +50 °C (32 – +122 °F)
Storage	–20 – +70°C (–4 – +158 °F)
Ambient Humidity	max. 90 % RH
Time constant	max. 25 s at 3 m/s (9.8 ft/s)
Accuracy	Please refer to table on next page
Enclosure rating	IP 20
Enclosure Material:	PC/ ABS Plastic
Agency Compliances	
CE	EN 61000-6-1, EN 61000-6-3, EN 61010-1
C-Tick	C-Tick N1831
FCC	FCC Part 15, Subpart B, Class B
UL	C-UL, UL 916 Listed
Flammability Rating	UL 94-V0

Dimensions

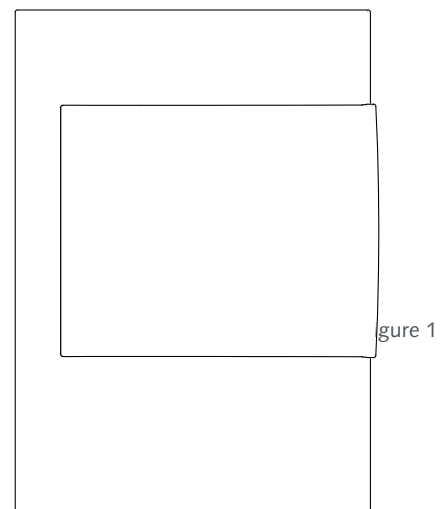
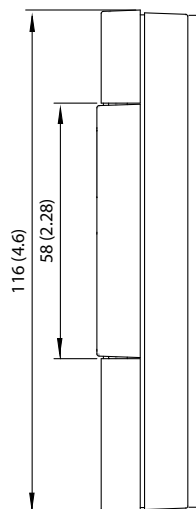
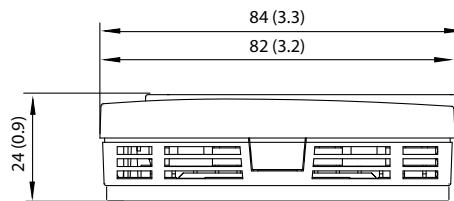


Figure 1

Accuracy

Temperature	Accuracy of STR50X
-25 °C/-13 °F	±0.5 °C/±0.9 °F
±0 °C/32 °F	±0.2 °C/±0.4 °F
25 °C/77 °F	±0.2 °C/±0.4 °F
50 °C/122 °F	±0.2 °C/±0.4 °F
75 °C/167 °F	±0.2 °C/±0.4 °F
100 °C/212 °F	±0.5 °C/±0.9 °F

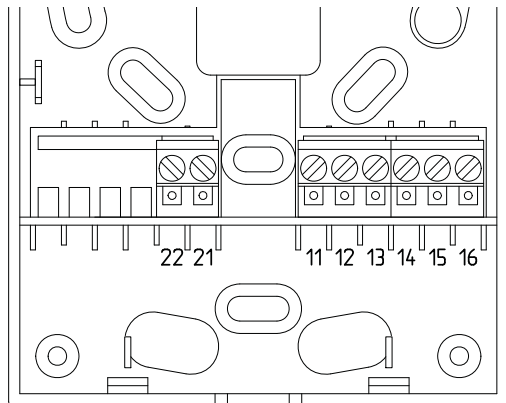
Mounting

The unit can be mounted directly onto the wall or fitted onto a wide variety of back-boxes. The plug-in concept makes wiring quick and easy.

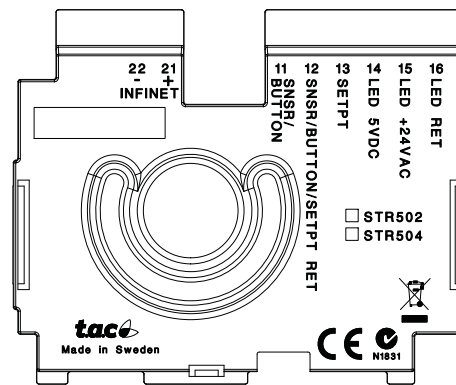
Maintenance

No maintenance is required for the wall module. If necessary the wall module may be cleaned with a soft cloth.

Wiring Diagram



Base Plate Top View



PCB Back-cover STR502/504

No.	Des.	STR500	STR502	STR504
22	INFINET -		X	X
21	INFINET +		X	X
11	SENSOR/BUTTON	X	X	X
12	SENSOR/BUTTON / SETPOINT RET	X	X	
13	SETPOINT		X	X
14	LED 5VDC		X	X
15	LED +24VAC		X	X
16	LED RET		X	X

Product Selection Chart

Order Number	Part Number	Weight g (lb)	Mode Indicator	RJ-10 Jack	Setpoint Offset	Bypass Button	System
0-046-0600-0	STR500	85 (0.19)					Continuum
0-046-0610-0	STR502		X	X	X		
0-046-0620-0	STR504		X	X	X	X	



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