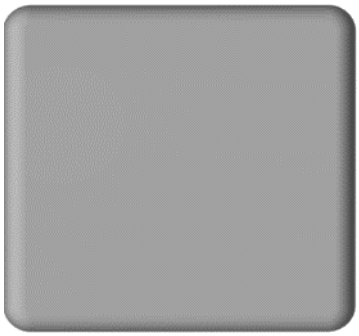
GRUNER
SWITCH TO INNOVATIONS

Technical data

SRW-T-P Series

Passive Room Sensors



Description

The SRW-T-P Sensors are designed to measure temperatures in rooms or areas. The sensor outputs are passive.

Order Code	Sensor Output
● SRW-T-PA	PT100
● SRW-T-PB	PT500
● SRW-T-PC	PT1000
● SRW-T-PD	NTC1.8k
● SRW-T-PE	NTC10k
● SRW-T-PF	NTC10k Pre
● SRW-T-PG	NTC20k
● SRW-T-PH	NI1000
● SRW-T-PI	NI1000TK5000
● SRW-T-PK	LM235Z

Technical data

Electrical data		
	Connection	Plug-in terminals, 1.5mm^2
	Cable Entry	Backside of the housing
Functional Data		
	Warranty	5 Years
	Application	Air
	Installation Places	Rooms or spaces
Safety		
	Protection Class	III (safety extra -low voltage)
	Degree of Protection	IP20
	EMC IEC/EN	60730-1
	LVD IEC/EN	60730-2-9
	RoHS	RoHS 3, Directive 2015/863
	Ambient temperature	-30°C…+80ºC
	Ambient humidity	5…95% r.h., non-condensing
	Maintenance	Maintenance free
Housing		
	Dimension	86 x 86 x 23 mm
	Weight	110 g
	Color	White, RAL 9010

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Sensor Data's

Product	Sensor	Measuring Range	Accuracy	Measuring Currant	Time constant
● SRW-T-PA	PT100	0…50ºC	± 0.15K @ 0ºC, Class A	0.3A @ 0ºC	< $t_{(63)}$ 360 s
● SRW-T-PB	PT500	0…50ºC	± 0.15K @ 0ºC, Class A	0.3A @ 0ºC	< $t_{(63)}$ 360 s
● SRW-T-PC	PT1000	0…50ºC	± 0.15K @ 0ºC, Class A	<0.3A @ 0ºC	< $t_{(63)}$ 360 s
● SRW-T-PD	NTC1.8k	0…50ºC	± 0.2K @ 25ºC	<0.1mA @ 25ºC	< $t_{(63)}$ 360 s
● SRW-T-PE	NTC10k	0…50ºC	± 0.2K @ 25ºC	<2mA @ 25ºC	< $t_{(63)}$ 360 s
● SRW-T-PF	NTC10 Pre	0…50ºC	± 0.2K @ 25ºC	<2.7mA @ 25ºC	< $t_{(63)}$ 360 s
● SRW-T-PG	NTC20k	0…50ºC	± 0.2K @ 25ºC	<0.5mA @ 25ºC	< $t_{(63)}$ 360 s
● SRW-T-PH	NI1000	0…50ºC	± 0.4K @ 0ºC	<5mA @ 21ºC	< $t_{(63)}$ 360 s
● SRW-T-PI	NI1000TK5000	0…50ºC	± 0.4K @ 0ºC	<0.3mA @ 0ºC	< $t_{(63)}$ 360 s
● SRW-T-PK	LM235Z	0…50ºC	± 1.0K @ 25ºC	<1mA @ 25ºC	< $t_{(63)}$ 360 s

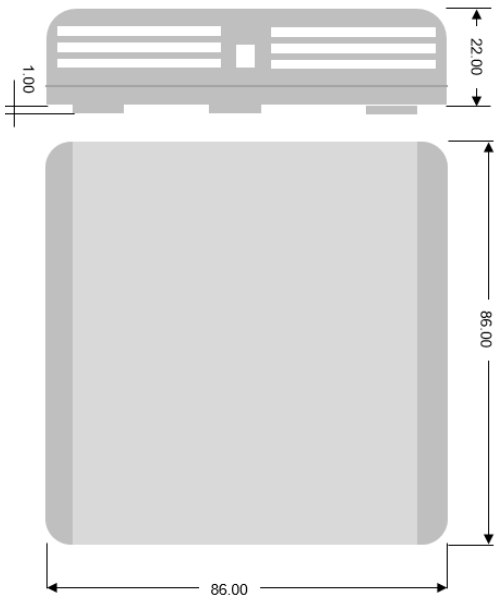
Connection / Security Notes

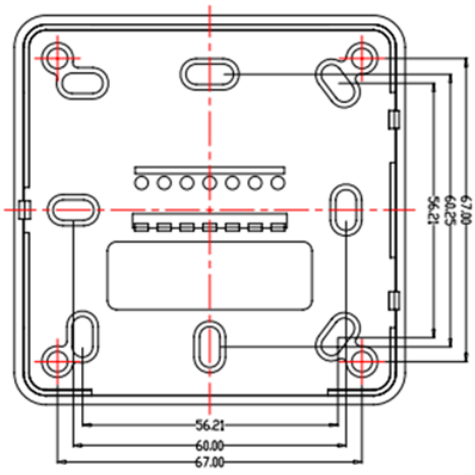
Terminal Assigments					
T1	**T2**		**T3**		**T4**
S+ 3 wire / optional	S+	T passive	S-	T passive	S- 4 wire / optional

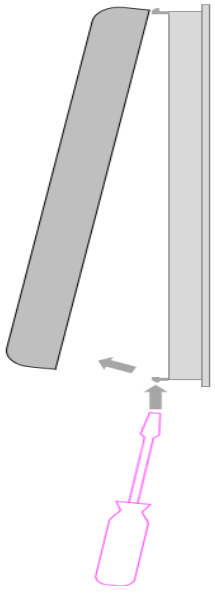
Safety Remarks
Observe the following general regulations for engineering and implementation:
All relevant national and heavy power regulations
Other country specific regulations
Country-specific regulations
Local electrical supply authority regulations
Schematics, cable listings, dispositions, specification and arrangements from the customer or engineering office in charge
Third party specifications, e.g., general contractors or constructors.

Disposal Notes:
The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU.
The device may not be disposed as domestic garbage.
The device must be disposed through channels provided for this purpose.
It is mandatory to comply with local currently applying laws and regulations.

Technical Drawing







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