

Technical data

SRW-T-A Series

Active Room Temperature Sensors



Description

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

Order Code	Sensor Output
• SRW-T-AA	0...10V
• SRW-T-AB	4...20mA

Technical data

Electrical data

Nominal Voltage	24VAC/DC 50/60 Hz
Nominal Voltage Range	19...29VAC / DC
Power consumption	≤ 0.4W / AC 24V; ≤ 0.85VA / DC 24V
Output Signal	DC 0...10V / 4...20mA
Output Load	Min. 5kΩ / Max. 700Ω
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...+80°C
Ambient humidity	5...95% r.h., non-condensing
Maintenance	Maintenance free

Housing

Dimension	86 x 86 x 23 mm
Weight	160 g
Color	White, RAL 9010

Sensor Data's

				Sensor
Measuring Range	Accuracy	Long term stability	Time Constant	
Temperature	0...50°C	typ. ±0.2°C @ 20°C <	0.3°C / year	< t(63) 2 s

User Interfaces



SRW-T-Ax

Connection / Security Notes

Terminal Assignments			
T1		T2	T3
G	24V AC/DC	GND	Temperature

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.

Dimensions

