

 TI151en	Product Information	
TRW2- Series (T)	Room Temperature Sensor with Passive Output	

The TRW2- Series (T) is designed to measure temperatures in rooms or areas

The temperature sensor output is passive

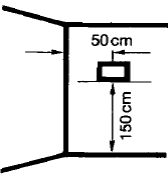
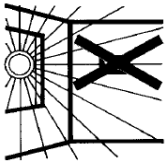
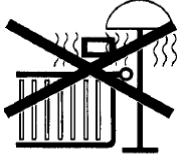
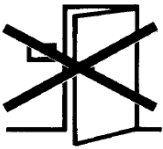
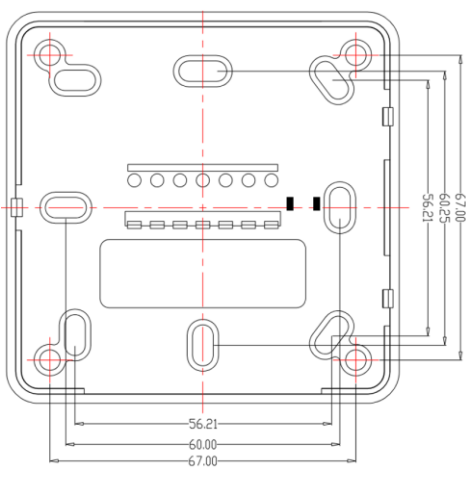
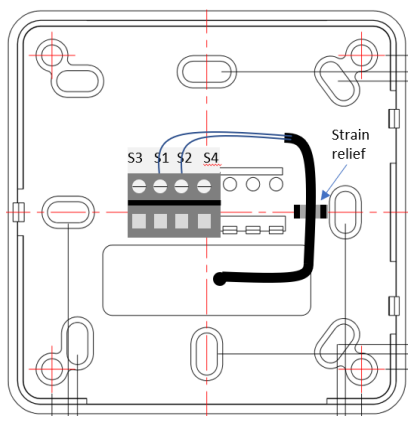


Use	Compatible to all common HVAC DDC and Analog Controls systems with/without Building Automation System Temperature measuring in rooms and areas Used in all common HVAC applications Used in Commercial and Industrial Buildings
Features	Sensor with passive output Sensor with 2 / 3 or 4 wire connection Sensors with integrated strain relive All Sensors with upgraded accuracy Easy to use, install and maintain free

Product Range

Order Codes	Sensor Output	Sensor Accuracy	Connection	Housing	IP Rating
	Sensing Elements				Housing
TRW2.FF	PT100	± 0.15K @ 0°C DIN EN 60751, class A	2 / 3 / 4 wire connection	White ABS Housing 86x86x22mm	IP20 to IEC60529
TRW2.FG	PT1000				
TRW2.FP	NTC10k	± 0.25K @ 25°C			
TRW2.FQ	NTC10k Pre				
TRW2.FR	NTC20k				
TRW2.FK	NI1000	± 0.4K @ 0°C DIN EN 43760, class B			
TRW2.FL	LG-NI1000				

Sensor Specification		Measured	Temperature
		Sensor Characteristics	Passive
		Sensor Output (s)	PT / NTC / NI1000
		Measuring Current	<1mA
		Sensor Accuracy	
		PT100 / PT1000	± 0.15K @ 0°C DIN EN 60751, class A
		NTC10k / NTC10k Pre / NTC20k	± 0.25K @ 25°C
		NI1000 / LG-NI1000	± 0.4K @ 0°C DIN EN 43760, class B
		Standard Measuring Range	0°C...+50°C
		Total Measuring Range	-50°C...+150°C
Technical Information	Electrical Information	Terminal Clamp	Screw terminal, max. 1.5mm ²
	Mechanical Information	Cable Entry	~30mm x 10mm on the backside
		Sensing Element Position	Inside the housing, top of the housing
	Color and Materials	Housing Cover	ABS, white
		Housing Bottom	ABS, white
	Environmental Conditions	Operation Temperature	0°C...+50°C
		Operation Humidity	<85 % r.h., no condensation
		Transport Temperature	-35°C...+70°C
		Transport Humidity	< 90% r.h.
		Storage Temperature	-10°C...+70°C
	Norms and Directives	Storage Humidity	< 85% r.h., no condensation
		IP- Rating	IP20 to IEC60529
		Safety Class	III to EN 60 730
		Product Standard 1	Automatic Electric. Controls for household and similar use
		RoHS Compatibility	RoHS 3, Directive 2015/863
		Operation Climatic Condition	IEC 60 721-3-3
		Operation Mechanical Condition	IEC 60 721-3-2 to class2M2
		Transport to Climatic Condition	IEC 60 721-3-2
		Transport Mechanical Condition	IEC 60 721-3-2 to class2M2
		Storage Climatic Condition	IEC 60 721-3-1
		Storage Mechanical Condition	IEC 60 721-3-1 to class2M2
Miscellaneous	Accessories	Accessory	non
	Shipping & Handling	Minimum Order	1 box with 1 piece
		Package Material	Rigid Cardboards Packaging
	Order Notes	Order Code	See Product Range, Page 1, e.g. TRW2.I

	Observe the following general regulation 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.
Advices	Mounting Advice:      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.
Dimensional Drawing	 
Connections / Opening	 2-wire connection S1 + S2 3-wire connection S1 + S2 + S3 4-wire connection S1 + S2 + S3 + S4 