

 T1187en	Product Information	
TRC2- Series (T)	Room Ceiling Temperature Sensor with Passive Output	

The TRC2- Series (T) is designed to measure temperature room or areas

Suitable for offices and meeting rooms

The sensor comes with a 1m connection cable

The temperature sensor output is passive



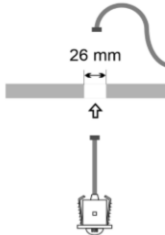
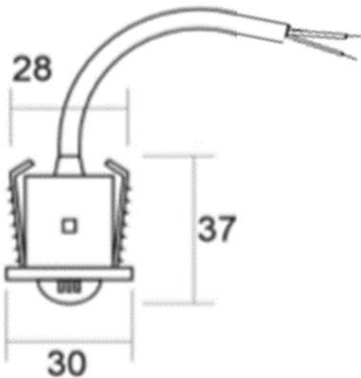
Use	Compatible to all common HVAC DDC and Analog Controls systems, with/without Building Automation System
	Temperature measuring in offices and meeting rooms
	Used in all common HVAC applications
	Used in Commercial and Industrial Buildings

Features	Sensor with passive output
	All Sensors with upgraded accuracy
	Different cable lengths are available
	Professional design
	Easy to use, install and maintain

Product Range

Order Codes	Sensor Output	Cable lengths	Sensor Accuracy	Cable color	IP Rating
TRC2.AF	PT100	1m	$\pm 0.15K @ 0^{\circ}C$ DIN EN 60751, class A	black	IP30 to IEC60529
TRC2.AG	PT1000		$\pm 0.25K @ 25^{\circ}C$		
TRC2.AP	NTC10k				
TRC2.AQ	NTC10k Pre				
TRC2.AR	NTC20k		$\pm 0.4K @ 0^{\circ}C$ DIN EN 43760, class B		
TRC2.AK	NI1000				
TRC2.AL	LG-NI1000				
TRC2.BF	PT100	2m	$\pm 0.15K @ 0^{\circ}C$ DIN EN 60751, class A		
TRC2.BG	PT1000		$\pm 0.25K @ 25^{\circ}C$		
TRC2.BP	NTC10k				
TRC2.BQ	NTC10k Pre				
TRC2.BR	NTC20k		$\pm 0.4K @ 0^{\circ}C$ DIN EN 43760, class B		
TRC2.BK	NI1000				
TRC2.BL	LG-NI1000				

Sensor Specification	Sensor Specification	Measured	Temperature
		Sensor Characteristics	Passive
		Sensor Output (s)	PT / NTC / NI
		Measuring Current	<1mA
		Accuracy	
		PT100 / PT1000	± 0.15K @ 0°C DIN EN 60751, class A
		NTC10k / NTC10k Pre / NTC20k	± 0.25 @ 25°C
		NI1000 / LG-NI1000	± 0.4K @ 0°C DIN EN 43760, class B
		Standard Measuring Range (s)	0°C...+50°C
		Total Measuring Range (s)	-50°C...+150°C
Technical Information	Electrical Information	n/a	
	Mechanical Information	Cable Length	1m or 2m
		Cable Lead Diameter	Ø0.25mm
		Cable Diameter	Ø4.6mm
		Housing dimension	Ø30mmx37mm
	User Interface	n.a.	
	Color and Materials	Cable	black, PVC
		Sensor Housing	Signal White Ral 9003, ABS
	Environmental Conditions	Operation Temperature	0°C...+70°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
		Storage Humidity	< 85% r.h., no condensation
	Norms and Directives	IP- Rating	IP30 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	n.a.	
	Shipping & Handling	Minimum Order	1 box with 2 pieces
		Package Material	Rigid Cardboards Packaging
	Order Notes	Order Code	e.g. TRC2.AF

Advices	Installation Notes  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 regulation Schematics, cable listings, dispositions, specification and arrangements from the customer or engineering office in charge Third party specifications, e.g. general contractors or constructors
	Mounting Advices   All Sensors with upgraded accuracy
	 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 complying with local currently applying laws and regulations.
Dimensional Drawing	
Connections	 2- wire connection