
 MIS 187en	Mounting Instruction	
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



Sensor Specification	Sensor Specification	Measured	Temperature
		Sensor Characteristics	Passive
		Sensor Output (s)	PT / NTC / NI
		Measuring Current	<1mA
		Accuracy	
		PT100 / PT1000	± 0.3K @ 0°C DIN EN 60751, class B
		NTC10k / NTC10k Pre / NTC20k	± 0.3K @ 25°C
		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
		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

Product Range	g							
	Order Codes	Sensor Output	Cable lengths	Accuracy	Cable color	IP Rating		
	TRC2.AF	PT100	1m	± 0.3K @ 0°C DIN EN 60751, class B	black	IP30 to IEC60529		
	TRC2.AG	PT1000		± 0.5K @ 25°C				
	TRC2.AP	NTC10k		± 0.3K @ 25°C				
	TRC2.AQ	NTC10k Pre		± 0.3K @ 25°C				
	TRC2.AR	NTC20k		± 0.3K @ 25°C				
	TRC2.AL	LG-NI1000		± 0.4K @ 0°C DIN EN 43760, class B				
	TRC2.BF	PT100	2m	± 0.3K @ 0°C DIN EN 60751, class B				
	TRC2.BG	PT1000		± 0.5K @ 25°C				
	TRC2.BP	NTC10k		± 0.3K @ 25°C				
	TRC2.BQ	NTC10k Pre		± 0.3K @ 25°C				
	TRC2.BR	NTC20k		± 0.3K @ 25°C				
	TRC2.BL	LG-NI1000		± 0.4K @ 0°C DIN EN 43760, class B				

