

 TI185en	Technical Information	
TRP2- Series (T)	Pendulum Temperature Sensor with Passive Output	

The TRP2- Series (T) is designed to measure temperature in large rooms or areas

Professional design suitable for plant or utility rooms

The sensor comes with a 1m connection cable, other lengths available

The temperature sensor output is passive



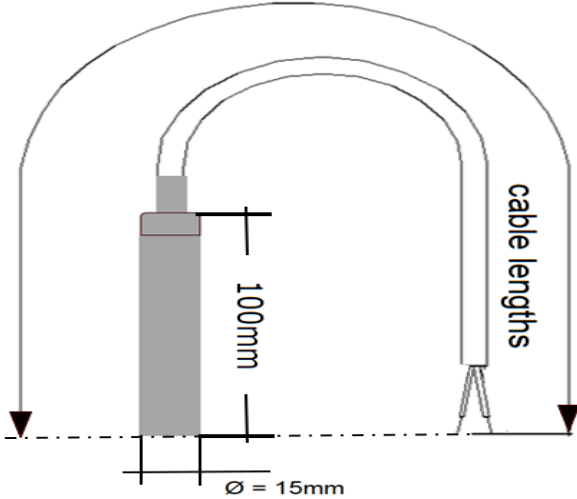
Use	Compatible to all common HVAC DDC and Analog Controls systems, with/without Building Automation System Temperature measuring in large rooms and areas Used in all common HVAC applications Used in Commercial and Industrial Buildings
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Features	Sensor with passive output All Sensors with upgraded accuracy Different cable lengths are available Professional design Easy to use, install and maintain
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Product Range

Order Codes	Sensor Output	Cable lengths	Sensor Accuracy	Cable color	IP Rating
TRP2.AF	PT100	1m	± 0.15K @ 0°C DIN EN 60751, class A	black	IP65 to IEC60529
TRP2.AG	PT1000		± 0.25K @ 25°C		
TRP2.AP	NTC10k				
TRP2.AQ	NTC10k Pre				
TRP2.AR	NTC20k		± 0.4K @ 0°C DIN EN 43760, class B		
TRP2.AK	NI1000				
TRP2.AL	LG-NI1000				
TRP2.BF	PT100	2m	± 0.15K @ 0°C DIN EN 60751, class A		
TRP2.BG	PT1000		± 0.25K @ 25°C		
TRP2.BP	NTC10k				
TRP2.BQ	NTC10k Pre				
TRP2.BR	NTC20k		± 0.4K @ 0°C DIN EN 43760, class B		
TRP2.BK	NI1000				
TRP2.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	± 0.25K @ 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	4.6mm
		Sensor Pocket Lengths	100mm
		Sensor Pocket Diameter	Ø15mm
	User Interface	non	
	Color and Materials	Cable	black PVC
		Sensor Pocket	US: AISI 304; EU: EN X 6 CrNi 18 10; GER: W.N. 1.301
	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	IP65 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. TRP2.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  Do not expose to direct sunlight Mounting distance to the ceiling at least 20cm
	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