MIS 185en	Mounting Instruction	thermokon asia pacific
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

Sensor Specification

Sensor Specification	Measured	Temperature
	Sensor Characteristics	Passive
	Sensor Output (s)	PT / NTC / NI
	Measuring Current	<1mA
	Accuracy	
	PT100 / PT1000	± 0.3K @ 0ºC DIN EN 60751, class B
	PNTC10k / NTC10k Pre / NTC20k	± 0.3K @ 25ºC
	LG-NI1000	± 0.4K @ 0ºC DIN EN 43760, class B
	Standard Measuring Range (s)	0ºC…+50ºC
	Total Measuring Range (s)	-50ºC…+150ºC

Technical Information

Electrical Information	n/a	
Mechanical Information	Cable Length	1m
	Cable Lead Diameter	Ø0.25mm
	Cable Diameter	4.6mm
	Sensor Pocket Lenghts	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. 1.3
Environmental Conditions	Operation Temperature	0ºC...+70ºC
	Operation Humidity	<85 % r.h., no condensation
	Transport Temperature	-35ºC...+70ºC
	Transport Humidity	< 90% r.h.
	Storage Temperature	-10ºC...+70ºC
	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

Order Codes	Sensor Output	Cable lengths	Accuracy	Cable color	IP Rating
TRP2.AF	PT100	1m	± 0.3K @ 0ºC DIN EN 60751, class B	black	IP30 to IEC60529
TRP2.AG	PT1000		± 0.5K @ 25ºC		
TRP2.AP	NTC10k		± 0.3K @ 25ºC		
TRP2.AQ	NTC10k Pre		± 0.3K @ 25ºC		
TRP2.AR	NTC20k		± 0.3K @ 25ºC		
TRP2.AL	LG-NI1000		± 0.4K @ 0ºC DIN EN 43760, class B		
TRP2.BF	PT100	2m	± 0.3K @ 0ºC DIN EN 60751, class B		
TRP2.BG	PT1000		± 0.5K @ 25ºC		
TRP2.BP	NTC10k		± 0.3K @ 25ºC		
TRP2.BQ	NTC10k Pre		± 0.3K @ 25ºC		
TRP2.BR	NTC20k		± 0.3K @ 25ºC		
TRP2.BL	LG-NI1000		± 0.4K @ 0ºC DIN EN 43760, class B		

Advices

Installation Notes

Caution

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

Caution

Do not expose to direct sunlight

Mounting distance to the ceiling at least 20cm

Disposal Notes

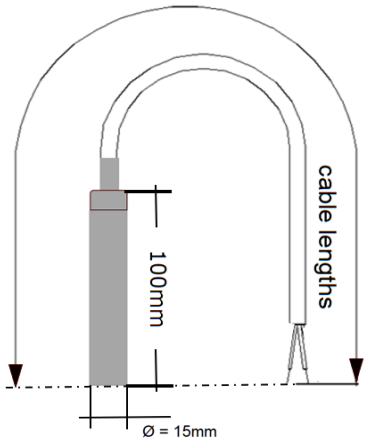
The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU.

The device may not be disposed as domestic garbage.

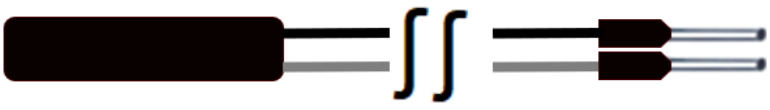
The device must be disposed through channels provided for this purpose.

It is mandatory to complying with local currently applying laws and regulations.

Dimensional Drawing



Connections



2- wire connection