
 MIS 150en	<b>Mounting Instruction</b>	
<b>TRW2- Series (T)</b>	<b>Room Temperature Sensor with Passive Output</b>	

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

Available with set point dial, presence push button

and present status indication LED

The temperature sensor output is passive



<b>Sensor Specification</b>	Sensor Specification	Measured Sensor Characteristics Sensor Output (s) Measuring Current Sensor Accuracy PT100 / PT1000 NTC10k, NTC10k Pre, NTC20k LG-NI1000 Standard Measuring Range (s) Total Measuring Range (s)	Temperature Passive PT / NTC / NI1000 <1mA  ± 0.3K @ 0°C DIN EN 60751, class B ± 0.3K @ 25°C ± 0.4K @ 0°C DIN EN 43760, class B 0°C...+50°C -50°C...+150°C
	Electrical Information Mechanical Information User Interface Color and Materials Environmental Conditions Norms and Directives	Terminal Clamp Cable Entry Sensing Element Position Set Point Adjustments Set Point Symbols Presence Button Presence LED Housing Cover Housing Bottom User Element Indication Light Operation Temperature Operation Humidity Transport Temperature Transport Humidity Storage Temperature Storage Humidity IP- Rating Safety Class Product Standard 1 RoHS Compatibility Operation Climatic Condition Operation Mechanical Condition Transport to Climatic Condition Transport Mechanical Condition Storage Climatic Condition Storage Mechanical Condition	Screw terminal, max. 1.5mm <sup>2</sup> ~30mm x 10mm on the backside Inside the housing, top of the housing R= 10kΩ, max 0.25W - o + NC contact, max 600mW Present = Green LED illuminated PC-V0, RAL 9010 (Pure White) PC-V0, RAL 9010 (Pure White) PC-V0, RAL 9010 (Pure White) Green LED, RAL 6024 (Traffic Green) 0°C...+50°C <85 % r.h., no condensation -35°C...+70°C < 90% r.h. -10°C...+70°C < 85% r.h., no condensation IP20 to IEC60529 III to EN 60 730 Automatic Electric. Controls for household and similar use RoHS 3, Directive 2015/863 IEC 60 721-3-3 IEC 60 721-3-2 to class2M2 IEC 60 721-3-2 IEC 60 721-3-2 to class2M2 IEC 60 721-3-1 IEC 60 721-3-1 to class2M2

<b>Product Range</b>	Order Codes	Sensor Output	Operating Element			IP Rating
		Passive Elements	Set Point Dial	Presence Push button	Status Indication LED	Housing
	TRW2.AF TRW2.AG TRW2.AP TRW2.AQ TRW2.AR TRW2.AL	PT100 PT1000 NTC10k NTC10k Pre NTC20k LG-NI1000	n/a	n/a	n/a	IP20 to IEC60529
	TRW2.CF TRW2.CG TRW2.CP TRW2.CQ TRW2.CR TRW2.CL	PT100 PT1000 NTC10k NTC10k Pre NTC20k LG-NI1000	10kΩ	n/a	n/a	
	TRW2.LF TRW2.LG TRW2.LP TRW2.LQ TRW2.LR TRW2.LL	PT100 PT1000 NTC10k NTC10k Pre NTC20k LG-NI1000		push button	green LED	

All information and technical data are subject to alteration

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 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 Advices

Caution

50 cm

150 cm

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

84,5

25

84,5

84,5

84

67

60

67

84

Connections and Settings

TRW2.Ax

1

1

2

2

Optional 3-wire

Sensor +

Sensor -

Optional 4-wire

3- wire connection optional

2- wire connection standard

4- wire connection optional

TRW2.Cx

TRW2.Lx

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Thermokon Asia Pacific

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