

 TI187en		Product Information																														
TRC2- Series (T)		Room Ceiling Temperature Sensor with Passive Output																														
<p>The TRC2-Series (T) is designed to measure temperature room or areas</p> <p>Suitable for offices and meeting rooms</p> <p>The sensor comes with a 1m connection cable</p> <p>The temperature sensor output is passive</p> 																																
Use	<p>Compatible to all common HVAC DDC and Analog Controls systems, with/without Building Automation System</p> <p>Temperature measuring in offices and meeting rooms</p> <p>Used in all common HVAC applications</p> <p>Used in Commercial and Industrial Buildings</p>																															
Features	<p>Sensor with passive output</p> <p>Different cable lengths are available</p> <p>Professional design</p> <p>Easy to use, install and maintain</p>																															
Product Range	<table><tr><th>Order Codes</th><th>Sensor Output</th><th>Accuracy</th><th>Total Measuring Range</th><th>Cable lengths</th><th>Protection</th></tr><tr><td>TRC2.CF</td><td>PT100</td><td>± 0.3K @ 0°C DIN EN 60751, class B</td><td rowspan="6">-50...150°C</td><td rowspan="6">1m*</td><td rowspan="6">IP20 to IEC60529</td></tr><tr><td>TRC2.CG</td><td>PT1000</td><td>± 0.3K @ 0°C DIN EN 60751, class B</td></tr><tr><td>TRC2.CP</td><td>NTC10k</td><td>± 0.3K @ 25°C</td></tr><tr><td>TRC2.CQ</td><td>NTC10k Pre</td><td>± 0.3K @ 25°C</td></tr><tr><td>TRC2.CR</td><td>NTC20k</td><td>± 0.5K @ 25°C</td></tr><tr><td>TRC2.CK</td><td>NI1000</td><td>± 0.4K @ 0°C DIN EN 43760, class B</td></tr></table> <p>*other lengths available</p>					Order Codes	Sensor Output	Accuracy	Total Measuring Range	Cable lengths	Protection	TRC2.CF	PT100	± 0.3K @ 0°C DIN EN 60751, class B	-50...150°C	1m*	IP20 to IEC60529	TRC2.CG	PT1000	± 0.3K @ 0°C DIN EN 60751, class B	TRC2.CP	NTC10k	± 0.3K @ 25°C	TRC2.CQ	NTC10k Pre	± 0.3K @ 25°C	TRC2.CR	NTC20k	± 0.5K @ 25°C	TRC2.CK	NI1000	± 0.4K @ 0°C DIN EN 43760, class B
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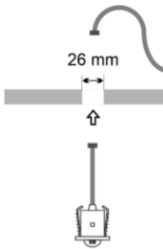

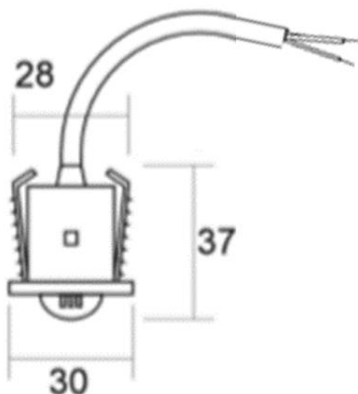

Thermokon Asia Pacific

All Information and technical data are subject to alteration

TRC2- Series (T) V20.1

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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
		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	white, 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	IP20 to IEC60529
		Safety Class	III to EN 60 730
		Product Standard 1	Automatic Electric. Controls for household and similar use
		RoHS Compatibility	RoHS 2011/65/EC
		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
Miscellanies	Accessories	n.a.	
	Shipping & Handling	Minimum Order	1 box with 2 pieces
		Product Dimension (L x W x H) / ~Weight	1000mm x Ø4.6mm / cable / 130gr.
		Transport and Storage dimension (L x W x H) / ~Weight	140mm x 65mm x 40mm / 280gr.
		Package Material	Rigid Cardboards Packaging
	Order Notes	Order Code	e.g. TRC2.PF

<div> <div>Advices</div> </div>	<div> <div> <div>Installation Notes</div> <div>  </div> </div> <div> <p>Observe the following general regulation for engineering and implementation:</p> <p>All relevant national and heavy power regulations</p> <p>Other country specific regulations</p> <p>Country-specific regulations</p> <p>Local electrical supply authority regulation</p> <p>Schematics, cable listings, dispositions, specification and arrangements from the customer</p> <p>or engineering office in charge</p> <p>Third party specifications, e.g. general contractors or constructors</p> </div> </div>
	<div> <div> <div>Mounting Advices</div> <div>  </div> </div> <div>  </div> </div>
	<div> <div> <div>Disposal Notes</div> <div>  </div> </div> <div> <p>The device is considered an electronic device for disposal in terms of the</p> <p>EUROPEAN DIRECTIVE 2012/19/EU.</p> <p>The Device may not be disposed as domestic garbage.</p> <p>The device must be disposed through channels provided for this purpose.</p> <p>It is mandatory to complying with local currently applying laws and regulations.</p> </div> </div>
<div> <div>Dimensional Drawing</div> </div>	<div>  </div>
<div> <div>Connections</div> </div>	<div> <div>  </div> <div> <p>2- wire connection</p> </div> </div>