MIS 187en	Mounting Instruction
TDC2 Carias (T)	Room Ceiling Temperature Sensor
TRC2- Series (T)	

with Passive Output



The TRC2- Series (T) is designed to measure temperature room or areas

Suitable for offices and meeting rooms

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The sensor comes with a 1m connection cable

The temperature sensor output is passive



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		
	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		
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		
1	Storage Mechanical Condition	IEC 60 721-3-1 to class2M2		

Order Codes	Sensor Output	Cable lengths	Accuracy	Cable color	IP Rating
TRC2.AF	PT100		± 0.3K @ 0⁰C DIN EN 60751, class B		
TRC2.AG	PT1000		± 0.5K @ 25⁰C		
TRC2.AP	NTC10k	Ē	± 0.3K @ 25⁰C		
TRC2.AQ	NTC10k Pre	=	± 0.3K @ 25⁰C		
TRC2.AR	NTC20k		± 0.3K @ 25⁰C		59
TRC2.AL	LG-NI1000		± 0.4K @ 0⁰C DIN EN 43760, class B	black	P30 to IEC60529
TRC2.BF	PT100		± 0.3K @ 0⁰C DIN EN 60751, class B	pla	30 to IE
TRC2.BG	PT1000		± 0.5K @ 25⁰C		ä
TRC2.BP	NTC10k	m 2	± 0.3K @ 25⁰C		
TRC2.BQ	NTC10k Pre	5	± 0.3K @ 25⁰C		
TRC2.BR	NTC20k		± 0.3K @ 25⁰C		
TRC2.BL	LG-NI1000		± 0.4K @ 0⁰C DIN EN 43760, class B		

Product Range

	Installation Notes	Observe the following general regulation for engineering and implementation:
	Caution	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
S		Third party specifications, e.g. general contractors or constructors
Advices	Mounting Advices	26 mm
	Caution	
	Caution	
	Disposal Notes	The device is considered an electronic device for disposal in terms of the
	X	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		28
		30
Connections		
Conn		
		2- wire connection
		All Information and technical data are subject to alteration