MIS 101en			Mounting Instruction						
TRW1- Series (T)							thermokon		
			with Active Output				asia pacific		
				with Active	Output				
The TRW1- Series (T) is designed to measure temperature in rooms or areas									
The sensor operates with low voltage power supply									
Multiple measuring ranges on board available									
Th	The temperature sensor output is active								
u	Sensor	Specification	Measured			Temper	Temperature		
tio			Sensor Characteristics			Active	Active		
cat			Sensor Output (s)			010V	010V or 420mA		
ifi			Output Load						
e e			0…10V output			Min. loa	Min. load 5kΩ @ AC/DC 24V		
Sp			420mA output			Max. loa	Max. load 700 Ω @ DC 24V		
2			Accuracy			± 0.5K c	± 0.5K over full measuring range		
JSC			Temperature OFF-set Potentiometer				± 3k		
Ser			Measuring Range (s)				0°C50°C		
0)			Optional Measuring Range (s)				-50°C+50°C ; 0°C+100°C ; -20°C+80°C		
	Electrica	al Information	Power Supply			AC/DC	AC/DC 24V (±10%)		
			Frequency				50 / 60 Hz at AC 24V		
			Terminal Clamp				Screw terminal, max. 1.5mm ²		
			Power Consumption						
tion			010V output			≤ 0.4W	≤ 0.4W / AC 24V; ≤ 0.85VA / DC 24V		
			420mA output			≤ 0.6W	≤ 0.6W / AC 24V; ≤ 1VA / DC 24V		
	Mechan	ical Information	Cable Entry			~30mm	~30mm x 10mm on the backside		
	Color an	d Materials	Housing Cover			White A	White ASA, RAL 9010 (Pure White)		
			Housing Bottom			White A	White ASA, RAL 9010 (Pure White)		
			User Element				White ASA, RAL 9010 (Pure White)		
	Environr	mental Conditions	Operation Temperature			0ºC+5	0°C+50°C		
ma			Operation Humidity				<85 % r.h., no condensation		
lfor			Transport Temperature				-35⁰C+70⁰C		
			Transport Humidity				< 90% r.h.		
nica			Storage Humidity				< 85% r.h., no condensation		
schi	Norms a	and Directives	IP- Rating				IP20 to IEC60529		
Te			Safety Class				III to EN 60 730		
			CE Conformities to				2004/108/EG Electromagnetic Compatibility EMV		
			CE Electromagnetic Compatibility Emitted Interference				2000/EN60730-1 Emitted Interference		
			CE Electromagnetic Compatibility Interference resistance				ZUUU/EINDU/30-1 INTERFERENCE RESISTANCE		
							NU 10 3, DIRECTIVE 2015/803		
							IEC 60.721-3-3		
			Operation Mechanical Condition				IEC 60 721-3-2 10 Class2IVIZ		
			I ransport to Ulimatic 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	Power Supply	Active Output**	Measuring Ranges	IP Rating	Product dimension		
			10%)	010V*	-5050°C		Ę		
		TRW1.AE	(+	or	050°C*	IP20	25m		
			24		aa		122		
			00		-2080°C		55X8		
			AC/I	420mA	0100°C		ω		
			* de	* default setting ** additional passive sensor outputs available					



Thermokon Asia Pacific

TRW1- Series (T) V20.3