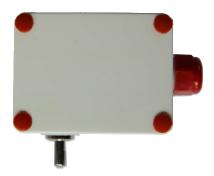
400e	Product Information	thermokon®
TOW1- Series (T)	Outdoor Temperature Active Sensor	asia pacific

The TOW1-Series is designed to measure temperature in outdoor areas, plant rooms, cold stores, greenhouses, production plants and warehouses. The Temperature sensor is sealed in an external sensor pocket for a fast response of temperature changes. The temperature output is active.



Use

Compatible to all common HVAC DDC and Analog Controls systems, with/without Building Automation System

Temperature measuring in outdoor areas, stores, warehouses, production plants and greenhouses

Used in all common HVAC applications

Used in Commercial and Industrial Buildings

eatures

Sensor with active output

Stainless steel sensor pocket

Professional and practical product design, withstands rough environmental conditions

Easy to use, install and maintain

Product Range

	Sensor Output		
Model	010V	420mA	
TOW1.BA	•		
TOW1.BD		•	

	Sensor Specification	Measured	Temperature
io		Sensor Characteristics	Active
		Sensor Output (s)	See Product Range, Page 1
z te		Output Load	
Sensor Specification		Type TRW1.BA	Min. load 5kΩ @ AC/DC 24V
		Type TRW1.BD	Max. load 500Ω @ DC 24V
		Accuracy	± 0.5K over full measuring range
		Measuring Range (s) Optional Measuring Range (s)	-40°C+50°C
	Electrical Information	Power Supply	0°C+50°C; 0°C150°C
	Liectical information	Type TRW1.BA	AC 15-24V (±10%) or DC 24V (±10%)
		Type TRW1.BD	DC 15-24V (±10%)
		Frequency	50 / 60 Hz at AC 24V
		Terminal Clamp	Screw terminal, max. 1.5mm ²
		Power Consumption	
		Type TRW1.BA	\leqslant 0.45W / AC 24V; \leqslant 0.85VA / DC 24V
		Type TRW1.BD	\leq 20mA / DC 24V
	Mechanical Information	Sensor Pocket Diameter	6mm
		Sensor Pocket Length	35mm
		Cable Entry	M16, Ø6Ø8mm cables
		Sensing Element Position	external, top of the sensor pocket
	User Interface	None	W/ 5 ADO DAI
	Color and Materials	Housing Cover	White ABS, RAL9001 (Cream White)
e G		Housing Bottom	White ABS, RAL9001 (Cream White)
Technical Information		Lock Screws Cable Gland	Zinc ZLO410, Fast Connectors 90°
Ĕ		Gland Rubber Seal	White PA6, RAL9001 (Cream White) White TBS, RAL9010 (Pure White)
₽	Environmental Condition	Operation Temperature	-25°C+70°C
드	Environmental Condition	Operation Humidity	100% r.h., with condensation
ल		Transport Temperature	-35°C+70°C
흗		Transport Humidity	< 90% r.h.
ਜ਼		Storage Temperature	-10°C+70°C
ē		Storage Humidity	< 85% r.h., no condensation
•	Norms and Directives	IP- Rating	IP65 to IEC60529
		Safety Class	III to EN 60 730
		Product Standard 1	Automatic Electric. Controls for household and
		Product Standard 2	2009/EN 60 730-1
		CE Conformities to	2004/108/EG Electromagnetic Compatibility EM
		CE Electromagnetic Compatibility Emitted Interference	2000/EN60730-1 Emitted Interference
		CE Electromagnetic Compatibility Interference resistance	2000/EN60730-1 Interference Resistance
		RoHS Compatibility	RoHS 2011/65/EC
		Operation Climatic Condition	IEC 60 721-3-4
		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 Storage Mechanical Condition	IEC 60 721-3-1 IEC 60 721-3-1 to class2M2
	Terminal Connection	Otorage mechanical Containon	LO 00 / LT 3 T to Classifile
Ē		1 2 3 1 2	
并		a 0 B 4 c	
Connection		Out Temp 0ioV 24V AC/DC GND 34V DC Cut Temp /GND	
ב		0 ort 0 ort 0 0 0 0 0 0 0 0 0	
ပိ		TOW1.BA TOW1.BD	
	Accessories	Accessory not included in delivery	Sun/rain protection with 2 rawlplugs and 2 scre
Miscellanies	, 10003301103	Accessory not included in delivery	Can run protection with 2 rumpings and 2 Scie
	Shipping & Handling	Minimum Order	1 box with 2 pieces, multiple of 2 pieces
		Product Dimension (L x W x H) / ~Weight	110mm x 50mm x 45mm / 110gr.
		Transport and Storage dimension (L x W x H) $/ \sim$ Weight	195mm x 95mm x 65mm / 260gr.
		Package Material	Rigid Cardboards Packaging
Ë	Order Notes	Order Code	See Product Range, Page 1, e.g. TOW1.BA

