
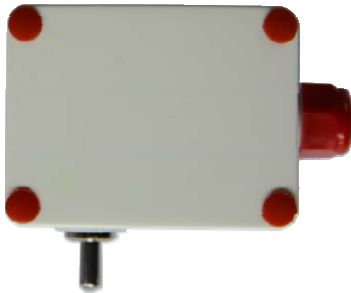


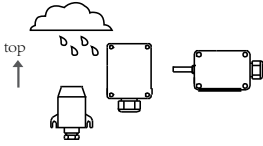


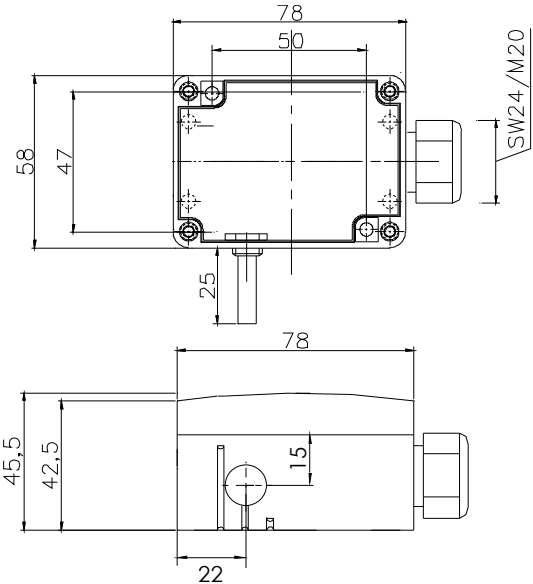
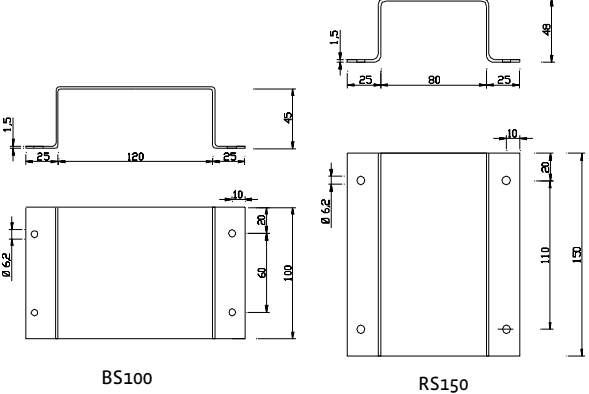


450e		Product Information																																																										
TOW2- Series (T)		Outdoor Temperature Passive Sensor																																																										
<div><p>The TOW2-Series is designed to measure temperature in outdoor areas, plant rooms, cold stores, greenhouses, 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 resistive, passive type.</p></div>																																																												
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																																																											
Features	Sensor with passive output Stainless steel sensor pocket Professional and practical product design, withstands rough environmental conditions Easy to use, install and maintain																																																											
Product Range	<table><tr><th rowspan="2">Model</th><th colspan="6">Sensor Output</th></tr><tr><th>PT100</th><th>PT1000</th><th>NTC10k</th><th>NTC10k Pre</th><th>NTC20k</th><th>Ni1000</th></tr><tr><td>TOW2.BF</td><td>•</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>TOW2.BG</td><td></td><td>•</td><td></td><td></td><td></td><td></td></tr><tr><td>TOW2.BP</td><td></td><td></td><td>•</td><td></td><td></td><td></td></tr><tr><td>TOW2.BQ</td><td></td><td></td><td></td><td>•</td><td></td><td></td></tr><tr><td>TOW2.BR</td><td></td><td></td><td></td><td></td><td>•</td><td></td></tr><tr><td>TOW2.BK</td><td></td><td></td><td></td><td></td><td></td><td>•</td></tr></table>					Model	Sensor Output						PT100	PT1000	NTC10k	NTC10k Pre	NTC20k	Ni1000	TOW2.BF	•						TOW2.BG		•					TOW2.BP			•				TOW2.BQ				•			TOW2.BR					•		TOW2.BK						•
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Sensor Specification	Sensor Specification	Measured Sensor Characteristics Sensor Output (s) Measuring Current Accuracy Type TOW2.BF/BG Type TOW2.BP/BQ/BR Type TOW2.BK Measuring Range (s)	Temperature Passive See Product Range, Page 1 <1mA ± 0.3K @ 0°C DIN EN 60751, class B ± 0.5K @ 0°C ± 0.4K @ 0°C DIN EN 43760, class B -40°C...+150°C
	Technical Information	Electrical Information Mechanical Information User Interface Color and Materials Environmental Conditions Norms and Directives	Terminal Clamp Screw terminal, max. 1.5mm² 6mm 35mm M16, Ø6...Ø8mm cables external, top of the sensor pocket White ABS, RAL9001 (Cream White) White ABS, RAL9001 (Cream White) Zinc ZLO410, Fast Connectors 90° White PA6, RAL9001 (Cream White) White TBS, RAL9010 (Pure White) -25°C...+70°C 100% r.h., with condensation -35°C...+70°C < 90% r.h. -10°C...+70°C < 85% r.h., no condensation IP65 to IEC60529 III to EN 60 730 Automatic Electric. Controls for household and similar use RoHS 2011/65/EC IEC 60 721-3-4 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
Connection	Terminal Connection	<p>2 wire Standard</p> <p>3 wire Option</p> <p>4 wire Option</p>	
Miscellanies	Accessories	Accessory not included in delivery	Sun/rain protection with 2 rawlplugs and 2 screws
	Shipping & Handling	Minimum Order Product Dimension (L x W x H) / ~Weight Package Material Transport and Storage dimension (L x W x H) / ~Weight	1 box with 2 pieces, multiple of 2 pieces 110mm x 50mm x 45mm / 75gr. Rigid Cardboards Packaging 195mm x 95mm x 65mm / 200gr.
	Order Notes	Order Code	See Product Range, Page 1, e.g. TOW2.BF
<p><i>All Information and technical data are subject to alteration</i></p> <p>Thermokon Asia Pacific TOW2- Series (T) V2.0 Page 2/3</p>			

Advices	Security Advice  <p>The installation and assembly of electrical equipment may only be performed by a skilled electrician. The products must not be used in any relation with equipment that supports, directly or indirectly, human health, life or with applications that can result in danger for people, animals or real value.</p>
	Mounting Advices  <p>In case of outdoor installation avoid direct rain and sun contact. Probably use sun respectively rain protection.</p> 
	Installation Notes  <p>The product must be installed at a suitable place and within the range of validity of the local electrical installation laws and regulations. The wire resistance of the supply wire has to be considered in 2-wire conductor versions. Due to the self-heating, the wire current should not exceed 1mA.</p>
	Commissioning Notes  <p>Sensing devices should in principle be operated in the middle of the measuring range.</p>

Dimensional Drawing	 <p style="text-align: center;">TOW2.BF/BG/BP/BQ/BR/BK</p>
	 <p style="text-align: center;">Sun / Rain Protection</p>