

		Technical Information																													
		Water Differential Pressure Switch																													
<p>The Series is used to control the differential pressure in water pumps, plate heat exchangers, tube heat exchanger and shell heat exchanger</p> <p>Multiple measuring ranges are available to cover all applications</p> <p>The control output is ON-OFF</p>																															
Sensor Specification	Sensor Specification	Measured	Water Differential Pressure																												
	Sensor Characteristics	Passive																													
Technical Information	Sensor Output (s)	SPDT micro-switch (NO/ NC)																													
	Measuring Range (s)	see Product Range, Page 1																													
	Differential Gap	See Product Range, Page 1																													
	Repeatability	±1%																													
	Max. Pressure Difference	Max. 5bar																													
	Max. Static Pressure	Max. 20bar																													
	Medium Temperature Range	-20...+93°C																													
	Measuring Range (s)	See Product Range, Page 1																													
	Electrical Information	Terminal Cla	Screw terminal, max. 2.5mm²																												
	Mechanical Information	Relay Rating	AC 250V , max.10A																												
		Cable Length	1m																												
		Cable Diameter	2x0.75mm², 105°C resistance burning cable																												
		Cable Entry	M16, Ø6...Ø8mm cables																												
	User Interface	Connection Type	G1/4", male thread																												
Sensing Element Posit		Inside the housing																													
Color and Materials	Set Point Adjustments	See Product Range, Page 1																													
	Housing Cover	Black ABS, RAL 9017 (Traffic Black)																													
	Housing Bott	Brass																													
	Diaphragm	EPDM																													
Environmental Conditions	Cable Gland	Black PP, RAL 9017 (Traffic Black)																													
	Operation Temperature	-20°C...+93°C																													
	Operation Humidity	<85% r.h., no condensation																													
	Transport Temperature	-10°C...+70°C																													
Norms and Directives	Transport Humidity	< 90% r.h.																													
	Storage Temperat	-10°C...+70°C																													
	Storage Humidity	< 85% r.h., no condensation																													
	IP- Rating	IP65 to IEC60529																													
	Safety Class	III to EN 60 730																													
	Product Standard 1	Automatic Electric. Controls for household and similar use																													
	Product Standard 2	2009/EN 60 730-1																													
	CE Conformities to	2004/108/EG Electromagnetic Compatibility E																													
	CE Electromagnetic Compatibility Emitted Interference	2000/EN60730-1 Emitted Interference																													
	CE Electromagnetic Compatibility Interference Resistance	2000/EN60730-1 Interference Resistance																													
	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																														
Storage Mechanical Condit	IEC 60 721-3-1 to class2M2																														
Product Range	<table><tr><th>Order Code</th><th>Set Point</th><th>Switching Differential</th><th>Relay Rating</th><th>IP- Rating</th><th>Connection Nuts</th><th>Repeatability</th><th>Medium Temperature Range</th></tr><tr><td>EXT-TN-1100013</td><td>0.05bar</td><td>0.02bar</td><td rowspan="3">SPDT micro-switch, 250V / 10A</td><td rowspan="3">IP65 to IEC60529</td><td>included</td><td rowspan="3">better than 1%</td><td rowspan="3">-20°C...+93°C</td></tr><tr><td>EXT-TN-1100022</td><td>0.2bar</td><td>0.045bar</td><td></td></tr><tr><td>EXT-TN-1100077</td><td>0.05bar</td><td>0.02bar</td><td>not included</td></tr></table>							Order Code	Set Point	Switching Differential	Relay Rating	IP- Rating	Connection Nuts	Repeatability	Medium Temperature Range	EXT-TN-1100013	0.05bar	0.02bar	SPDT micro-switch, 250V / 10A	IP65 to IEC60529	included	better than 1%	-20°C...+93°C	EXT-TN-1100022	0.2bar	0.045bar		EXT-TN-1100077	0.05bar	0.02bar	not included
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All Information and technical data are subject to alteration

Page 1/2

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