
	MIS 4250en	Mounting Instruction	
PPI2- Series (F)	Water Flow Switch with ON/OFF output		

The PPI2-Series (F) is widely used as water flow controls in water / air cooled chillers

Monitoring of water pump, mechanical equipment, compressor and refrigeration equipment

The Switch covers all common used pipe sizes in the HVAC markets



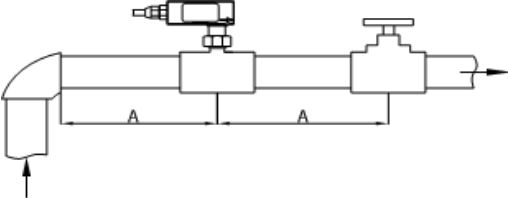


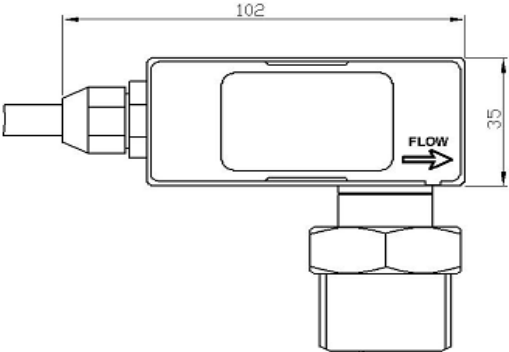
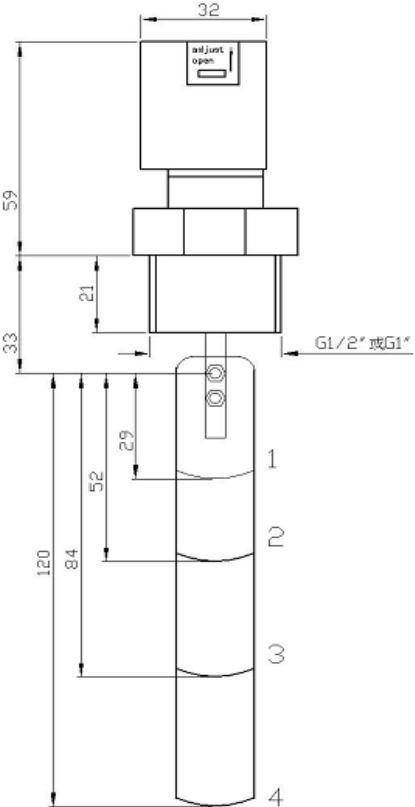
The switch outputs are ON/OFF



Sensor Specification	Sensor Specification	Measured Sensor Characteristics Sensor Output (s) Pressure Lost Max. Over Pressure Medium Temperature Range Measuring Range (s)	Flow Passive SPDT micro-switch (NO/ NC) 0.01bar at max. flow Max. 25bar -30°C...+110°C Optional paddles, see Product Range, Page 1
	Electrical Information	Terminal Clamp Relay Rating	Screw terminal, max. 2.5mm ² AC 250V, max.3A
Technical Information	Mechanical Information	Cable Length Cable Diameter Cable Entry Connection Type	1m 2x0.75mm ² , 105°C resistance burning cable M16, Ø6...Ø8mm cables G3/4" or G1", male thread
	User Interface	n.a.	
	Color and Materials	Housing Cover Housing Bottom Paddle Cable Gland	Black ABS, RAL 9017 (Traffic Black) Nickel plated brass Brass Black PP, RAL 9017 (Traffic Black)
	Environmental Conditions	Operation Temperature Operation Humidity Transport Temperature Transport Humidity Storage Temperature Storage Humidity	-20°C...+85°C 100% r.h., with condensation -10°C...+70°C < 90% r.h. -10°C...+70°C < 85% r.h., no condensation
	Norms and Directives	IP- Rating Safety Class Product Standard 1 Product Standard 2 CE Conformities to CE Electromagnetic Compatibility Emitted Interference CE Electromagnetic Compatibility Interference Resistance RoHS Compatibility Operation Climatic Condition Operation Mechanical Condition Transport to Climatic Condition Transport Mechanical Condition Storage Climatic Condition Storage Mechanical Condition	IP65 to IEC60529 III to EN 60 730 Automatic Electric. Controls for household and similar use 2009/EN 60 730-1 2004/108/EG Electromagnetic Compatibility EMV 2000/EN60730-1 Emitted Interference 2000/EN60730-1 Interference Resistance RoHS 3, Directive 2015/863 IEC 60 721-3-3 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

Product Range	Order Code	Output Rating	Thread Size	Pipe Size	Max. flow	Water Flow	Water Flow	Water Flow	Water Flow	Repeatability	Medium Temperature Range
					(m3/h)	Paddle 1 (m3/h)	Paddle 1/2 (m3/h)	Paddle 1/2/3 (m3/h)	Paddle 1/2/3/4 (m3/h)		
	PPI2.AA	SPDT micro-switch, 230V / 3A	3/4"	DN32	6	1.7-1.8	—	—	—	better than 1%	-20°C...+93°C
				DN40	9	1.7-2.4	—	—	—		
				DN50	15	4.5-4.9	1.2-1.4	—	—		
				DN65	24	9.5-11.2	3.2-3.6	—	—		
	PPI2.BA		1"	DN80	36	13.5-14.8	5.9-7.4	1.4-2.7	—		
				DN100	60	25.8-30.2	8.3-8.8	3.3-3.9	2.3-3.8		
				DN125	85	35.5-41.6	11.7-13.1	5.1-5.8	3.1-3.8		
				DN150	110	49.6-54.7	14.8-16.9	6.2-6.6	4.0-4.5		

All information and technical data are subject to alteration

	<div> <div> <div>Installation Notes</div> <div>  </div> </div> <div> <p>Observe the following general regulation for engineering and implementation:</p> <p>All relevant national and heavy power regulation</p> <p>Other country specific regulations</p> <p>Country-specific regulations</p> <p>Local electrical supply authority regulation</p> <p>Schematics, cable listings, dispositions, specification and arrangements from the customer or engineering office in charge</p> <p>Third party specifications, e.g. general contractors or constructors</p> </div> </div> <div> <div> <div>Advices</div> <div>  </div> </div> <div> <div>Mounting Advices</div>  </div> </div> <div> <div> <div>Disposal Notes</div> <div>  </div> </div> <div> <p>The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU.</p> <p>The device may not be disposed as domestic garbage.</p> <p>The device must be disposed through channels provided for this purpose.</p> <p>It is mandatory to complying with local currently applying laws and regulations.</p> </div> </div>						
<div>Connections</div>	<div> <table border="1"> <tr> <td>T1</td><td>NC / Low Flow</td></tr> <tr> <td>T2</td><td>NO / Hight Flow</td></tr> <tr> <td>T3</td><td>Common</td></tr> </table> </div> <div>  </div>	T1	NC / Low Flow	T2	NO / Hight Flow	T3	Common
T1	NC / Low Flow						
T2	NO / Hight Flow						
T3	Common						
<div>Dimensional Drawing</div>	<div>  </div> <div>  </div>						
<div> <div>Thermokon Asia Pacific</div> <div> <div>All Information and technical data are subject to alternation</div> <div>PP2- Series (F) V22.1</div> </div> <div>Page 2/2</div> </div>							