





The PPE2-Series is widely used as the water flow controls in wind/air cooled chillers and as monitors in water pump and filter of plate heat exchanger, tube heat exchanger and shell heat exchanger.

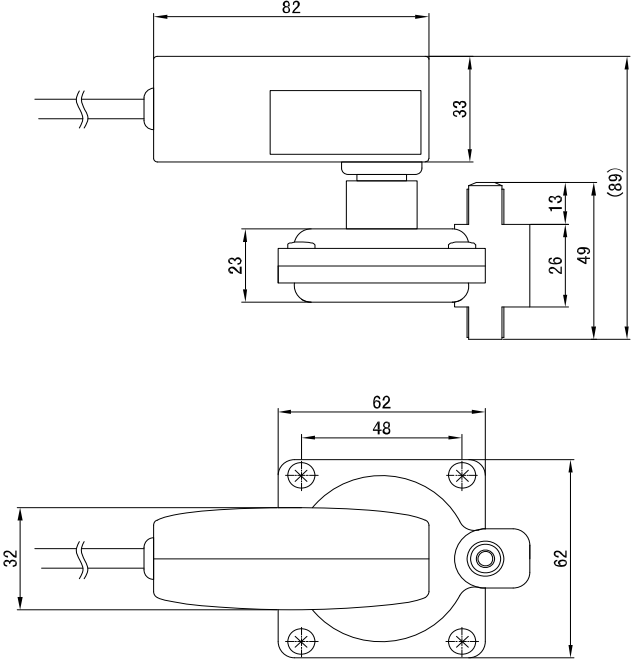


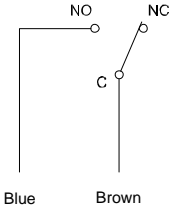
Sensor Specification	Sensor Specification	Measured Sensor Characteristics Sensor Output (s) Measuring Range (s) Differential Gap Repeatability Max. Over Pressure Busting Pressure (diaphragm) Medium Temperature Range Measuring Range (s)	Water/ Air Differential Pressure Passive SPDT micro -switch (NO/ NC) Same as set point, see Product Range, Page 1 See Product Range, Page 1 ±1% Max. 5bar Max. 20bar -20°C...+93°C See Product Range, Page 1
	Technical Information	Electrical Information	Terminal Clamp
Mechanical Information		Relay Rating	AC 250V, max.10A
		Cable Length	1m
		Cable Diameter	105°C resistance burning cable 2x0.75mm ²
		Cable Entry	M16, Ø6...Ø8mm cables
		Connection Tread	G1/4", male thread
		Sensing Element Position	Inside the housing
	User Interface	Set Point Adjustments	See Product Range, Page 1
	Color and Materials	Housing Cover	Black ABS, RAL 9017 (Traffic Black)
		Housing Bottom	Brass
		Diaphragm	EPDM
		Cable Gland	Black PP, RAL 9017 (Traffic Black)
	Environmental Conditions	Operation Temperature	-20°C...+70°C
		Operation Humidity	100% r.h., with condensation
		Transport Temperature	-35°C...+70°C
		Transport Humidity	< 90% r.h.
		Storage Temperature	-10°C...+70°C
		Storage Humidity	< 85% r.h., no condensation
	Norms and Directives	IP- Rating	IP54 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 EMV
		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 60 721-3-3
		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 Condition	IEC 60 721-3-1 to class2M2

Product Range		Set Point					Return Differential				
	Model	0.1bar	0.2bar	0.25bar	0.3bar	0.4bar	0.02bar	0.05bar	0.06bar	0.07bar	0.08bar
	PPE2.AA	●					●				
	PPE2.BA		●					●			
	PPE2.CA			●					●		
	PPE2.DA				●					●	
	PPE2.EA					●					●

All Information and technical data are subject to alteration

Advices	<p>Security Advice</p>  <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>
	<p>Mounting Advices</p>  <p>Do not try to open the brass shell in any case. Proper mounting position is important to the measuring accuracy, please mount it near the outlet or inlet of the heat exchanger. It is better to invert the switch or mount it little uper to the inlet board of the heat exchanger, the water can run out from the brass pipe.</p>
	<p>Installation Notes</p>  <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 positive "+" should be connected to the High pressure connection (Inlet of the heat exchanger) and the "-" to the Low pressure connection (Outlet of the heat exchanger).</p>
	<p>Commissioning Notes</p>  <p>The pressure switch is factory-calibrated in the vertical position. If installed horizontally, the actual value is 20Pa higher than the set value. The setting value can be set by adjusting the knob, no need to install the meter, use the "-"screwdriver to adjust the return difference. When use the switch in water chilling unit systems, to avoid the pump cavitation, please make sure the water is fulfilled and on air in before commission.</p>

Dimensional Drawing	 <p>The drawing shows two views of the pressure switch. The top view is a side profile showing a total width of 82 mm, a main body height of 33 mm, and a mounting bracket height of 49 mm. The mounting bracket has a width of 23 mm and a distance of 13 mm from the bottom edge to the center of the mounting holes. The bottom view is a top-down perspective showing a total width of 62 mm, a distance of 48 mm between the two mounting holes, and a total height of 62 mm. The main body has a diameter of 32 mm.</p>
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Connection	<p>Terminal Connection</p>  <p>The diagram shows a switch with three terminals: NO (Normally Open), NC (Normally Closed), and C (Common). A Blue wire is connected to the NO terminal, and a Brown wire is connected to the C terminal.</p>
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