

Product overview

- Voltage free contact output
- Low pressure loss, good repeatability, dirt resistant
- Separation of electrical and hydraulic components
- Corrosion resistant
- Withstands rough environmental conditions
- Easy to use, install and maintain



The PPI2 Series flow switch is widely used for flow control in fields such as air-conditioning, water, supply equipment to confirm liquid flow indication.

Type Available

EXT-TN-1100009

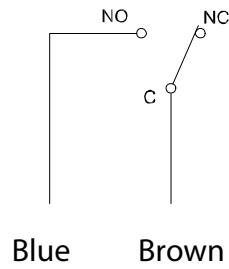
Technical data

| | | |
|------------------------|---|--|
| Standards | CE Conformity EN Conformity | 2004/108/EG Electromagnetic Compatibility EMV 2004/EN60730-1 Emitted Interference 2004/EN60730-1 Interference Resistance |
| General Data | Sensor Type Sensor Output Safety Class IP Rating Measuring Range Pressure lost Max. Over Pressure Medium Temp Range Operating Temperature Operating Humidity Transport temperature Transport Humidity Storage Temperature Storage Humidity | Passive SPDT micro-switch (NO / NC) III to EN60730 IP65 to IEC60529 Optional, Refer to Product Range 0.01bar at max.flow Max. 25bar -30°C...+110°C -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 |
| Electrical Data | Terminal Clamp Relay Rating Cable Length Cable Diameter Cable Entry Connection Type Housing Cover Housing Bottom Paddle Cable Gland | Screw terminal, max. 2.5mm ² AC 250V max.3A 1m 2 x 0.75mm ² , 105°C resistant burning cable M16, Ø8mm cables G ¼ " Male Thread Black ABS, RAL9017 (Traffic Black) Nickel Plated Brass Brass Black PP , RAL9017 (Traffic Black) |

Product Range

| Adjustable Range (m ³ /hr) | | | | | |
|--|----------------------------------|-----------|------------|---------------|----------------|
| Pipe | Max.flow (m ³ /hr) | Paddle 1 | Paddle 1,2 | Paddle 1,2,3, | Paddle 1,2,3,4 |
| DN32 | 6 | 1.7-1.8 | - | - | - |
| 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 | - | - |
| 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 |

Terminal connection

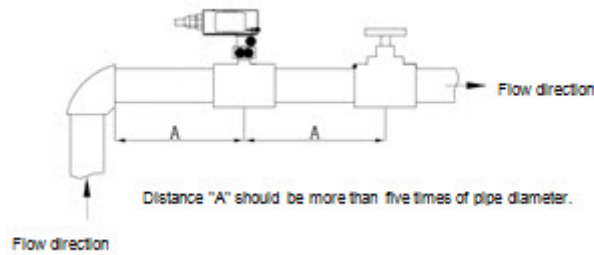


Security Advice

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.

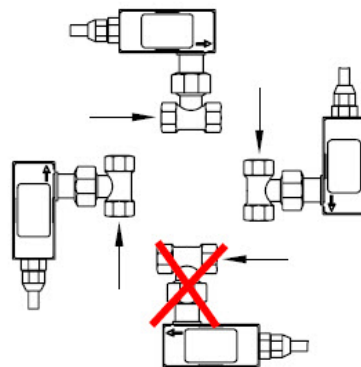
Mounting Advice

The water flow direction should be the same as the arrow direction on the switch.



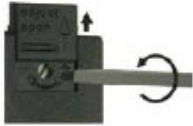
Installation Notes

The paddle flow switch should be installed on the pipeline between water pump outlet and instrument outlet, should not be installed on the suction inlet of water pump, which leads to the pump and flow switch work abnormally. It can be installed in either horizontal or vertical position, vital that the unit is not installed upside down. See the schematic diagram below.



Commissioning Notes

When debugging, if the flow switch is not closed and the flow is normal, adjust the position of the micro-switch.
 Do not pull the plastic shell, otherwise the switch can't work normally.
 The value has been calibrated before leaving the factory, if it is necessary to adjust it, it should be adjusted as these steps:



Open the protection cover and adjust the screw of setpoint



Open the cover



Terminal box

The minimum value is set in the right direction by moving the micro-switch part, the maximum value is set in the left direction, but excessive may lead to the switch open.

Dimensional Drawing

