

FA14B06

Material

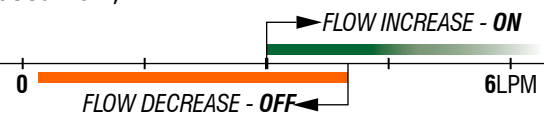
PPA - Polyphthalamide



How it works A fluid flow through the sensor causes precise displacement of magnetic piston and closes an electrical contact (reed switch).

Details

- On/Off output; NO (SPST) working;
- Detects increased or decreased flow;
- Sensitivity adjustment¹.



Typical applications

- Lubrification and cooling systems monitoring;
- Pipe fluid flow monitoring.

Liquids

- Clean water, oils, lubricants and filtered fuels².



Liquids with magnetic particles will cause deposition / magnetic sedimentation and it will prejudice the operation of the sensor. Use magnetic filter before the sensor.

Liquids with encrustation particles and/or solids require tests.

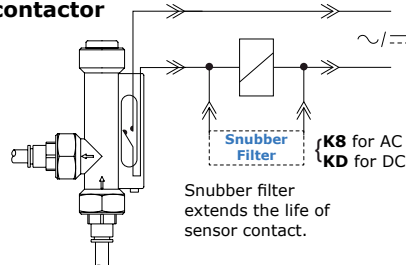
Technical specifications

| | |
|-----------------------------|---|
| Internal clearance | 8mm² |
| Maximum operating pressure | 10bar |
| Operating temperature range | 0°C to 100°C 140°C @1h |
| Inlet/outlet port | G 1/4" female |
| Spring | AISI 304 stainless steel |
| O'Ring | NBR (nitrilic rubber) |
| Output connection | Wire 2 x 0.14mm² x 1.5m |
| Enclosure rating | IP66 |
| Electrical contact | Reed Switch with Internal Resistor 10R |

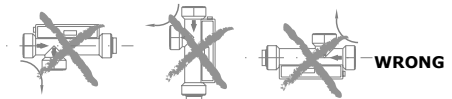
| Operating Voltage | Max. Switching Power | Max. Switching Current | Peak Current |
|-------------------|----------------------|------------------------|--------------|
| 110Vac | 20VA | 0.2A | 0.5A @20ms |
| 220Vac | 20VA | 0.1A | 0.5A @20ms |
| 5Vdc | 2.5W | 0.5A | 1A @20ms |
| 12Vdc | 5W | 0.5A | 1A @20ms |
| 24Vdc* | 10W | 0.5A | 1A @20ms |

* If use contactor, RC Snubber Filter KD is required.

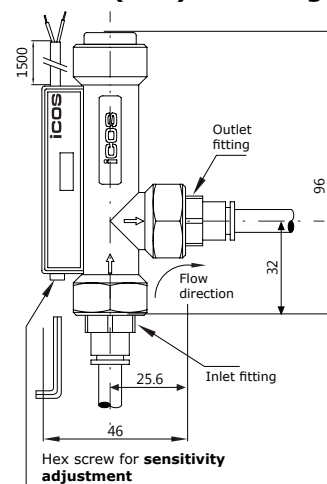
• Typical connection to contactor



Mounting (Important!)



Dimensions (mm) and Weight 125g



Notes

¹ In water. Set point accuracy: ±15%.

Repeatability (not considered the viscosity change of liquids): ± 10%.

² For application in oil, also recommended model [FA14B04](#).