



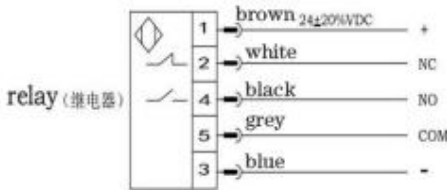
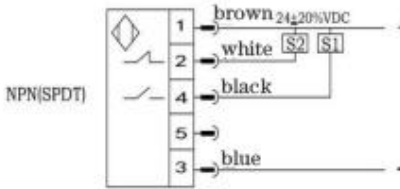
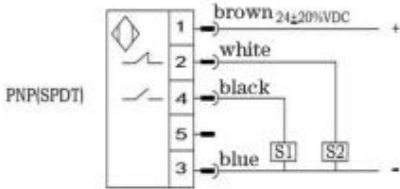
principle and characteristics

Based on the thermal principle, the sealed probe contains two resistors, one of which is not heated as the detection resistor, the other is not heated as the reference resistor. When the medium flows, the heat on the heating resistor is taken away, the resistance value is changed, and the difference between the two resistors is used as the basis to judge the flow rate. No moving parts, maintenance-free, easy installation, one model is suitable for a variety of pipe diameter requirements, switching continuously adjustable, extremely low pressure loss, compact structure, LED display flow trend and switch status. Most of the components are imported to improve the stability of the products.

product application

Pneumatic and hydraulic dual purpose, low flow rate alarm, can be used for pneumatic and hydraulic systems, can be used for circulating water, cutting fluid and lubricating oil cut-off detection, and pump idling protection.

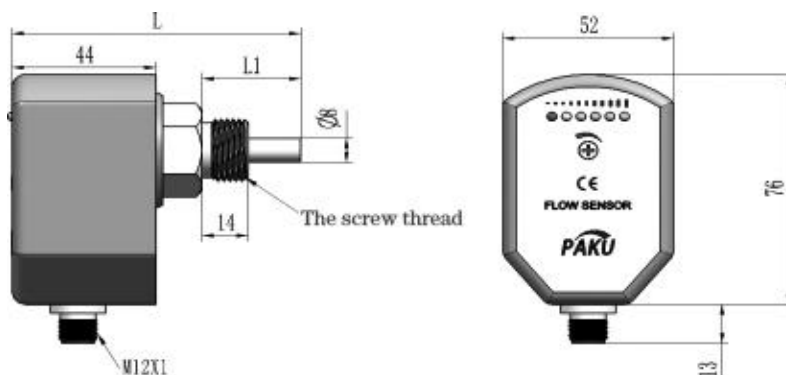
wiring diagram



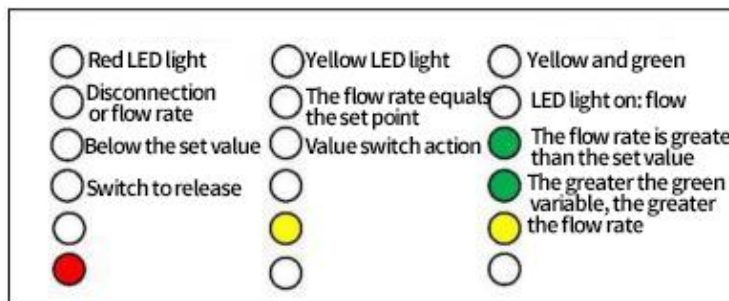
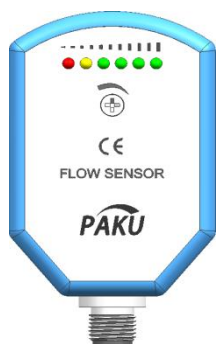
technical specification

- ◆ setting range: 1...150cm/s(water)
3...300cm/s(oil) ,
20...2000cm/s(air)
- ◆ signal output: PNP,NPN, Relay Normally Open + Normally Closed (SPDT)
- ◆ power supply: 24V ± 20%DC或230V ± 15%AC
- ◆ making current: Max. 400mA(PNP or NPN type)
Maximum 1A@48V (relay type)
- ◆ No-load current: Max. 80mA
- ◆ Flow indicator: LED row (6)
- ◆ setting mode: potentiometer setting
- ◆ Voltage range: 100bar
- ◆ Temperature gradient: ≤4° C/S
- ◆ Response time: 1-13s, typical 2s
- ◆ initialization time: about 8s
- ◆ Electrical protection: reverse phase, short circuit, overload protection
- ◆ Protection grade: IP67
- ◆ Medium temperature: -20-80° C
- ◆ Ambient temperature: -20-80° C
- ◆ Storage temperature: -20-100° C
- ◆ Wiring mode: M12 connector/optional with 2 meters wire directlyMaterial
- ◆ Material: Probe: stainless steel
Shell: PBT,
Weight: about 0.4kg

dimension figure



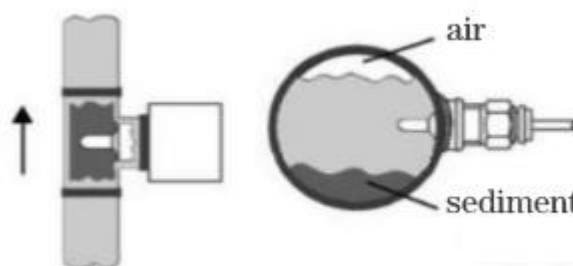
LDE function and setting (on/off type)



installation instructions

For vertical installation, it should be installed on the pipe section flowing from bottom to top.

When mounted horizontally, the probe should be kept away from air and sediment.



Selection table

| SN10B- | G2H | A | 3 | 1 | X | A | 30 | specification |
|--------|-----|---|---|---|----|---|----|--------------------------------------------------------------------------------------------------------------------------|
| SN10B- | | | | | | | | SN10B series electronic flow switch |
| | M1K | | | | | | | Interface thread M18*1.5 internal thread With the installation accessories, it is convenient to rotate and adjust the |
| | G2H | | | | | | | Interface thread G1/2 female thread |
| | G4H | | | | | | | Interface thread G1/4 male thread |
| | K5 | | | | | | | Chuck connection (outside diameter 50.5mm) |
| | | | | | | | | Custom threads, such as NPT1/2, type N12 |
| | | A | | | | | | DC DC24V ± 20% power supply |
| | | B | | | | | | AC AC230V ± 15% power supply |
| | | | 1 | | | | | PNP output |
| | | | 2 | | | | | NPN output |
| | | | 3 | | | | | relay output |
| | | | | 1 | | | | Normally open + normally closed output |
| | | | | | X | | | Probe material: 304 stainless steel |
| | | | | | XL | | | Probe material: 316L stainless steel |
| | | | | | | A | | Connector type (standard with 2 meters of |
| | | | | | | B | | Straight out |
| | | | | | | | 30 | Probe rod length unit mm (including thread) |
| | | | | | | | L | Customized probe rod length unit mm |

* The factory is standard equipped with electrical accessories M12 connector type ZL05-PU02FG
 * Select M18*1.5 internal thread installation mode, please pay attention to the selection of installation accessories
 * Customizable thread, H for external thread, K for internal thread
 * For selection of electrical accessories and installation accessories, please refer to the appendix page on page –
 * The selection table is only available for parameter selection, and the corresponding code is delivered.