



**Principle characteristics**

On-line mounting, mechanical flow switch, for liquid or gaseous media. Sturdy plastic, aluminum or stainless steel case is optional. Minimal pressure loss, good repeatability, pollution resistance, complete isolation of mechanical and electronic parts, suitable for small flow economy. With switch setting scale, users do not need to set on site. LED display switch status, double switch output is available.

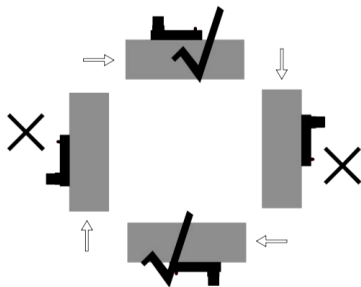
**Product application**

Gas liquid dual, industrial automation/mechanical equipment/air compression industry/refrigeration and air conditioning.

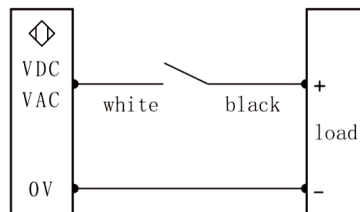
**Technical parameters**

|  |   |
|--|---|
| ◇ Setting range: see the parameter table for details   | ◇ Average pressure loss: 0.3bar (at 25L/m in)                     |
| ◇ Accuracy: ±5 total range   | ◇ Medium temperature: maximum 100°C                               |
| ◇ Hysteresis: At least 0.6L/min depending on the switching point                                   | ◇ Protection level: IP65  |
| ◇ Switch setting scale: is in the medium of water, temperature 20°C                                | ◇ FST110... Material: shell: POM plastic piston: POM plastic      |
| the horizontal installation state for calibration  | Spring: stainless steel seal: NBR                                 |
| Installation location medium and temperature changes will have a slight impact on the switch value | ◇ FST110... Material: shell: anodized alumina piston: POM plastic |
|  | Spring: Stainless steel seal: NBR                                 |
| ◇ LED display: dc power LED display switch status, ac no LED display                               | ◇ FST110... X material: case: stainless steel piston: POM plastic |
| ◇ wiring mode: M12 connector   | Spring: stainless steel seal: NBR                                 |
| ◇ Output: Dry reed switch, capacity 24VDC/250VAC, 100mA  |   |
| ◇ Pressure: 10 bar (plastic), 50bar (aluminum), 100bar (stainless steel)                           |   |

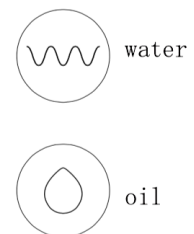
**Installation drawing**



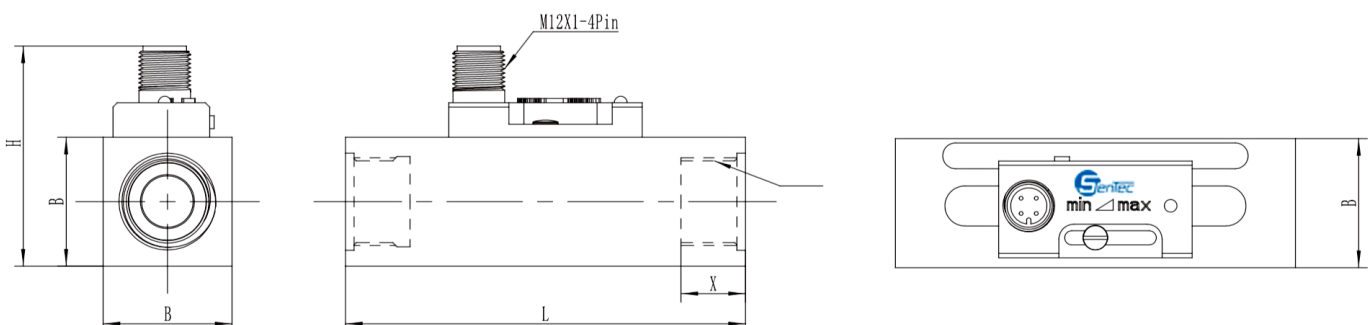
**wiring diagram**



**Applicable medium**



**Size chart (mm)**



**Parameter table**

| model                | pressure (bar) | Maximum flow L/min(water) | adjustable range L/min(water) | G (mm) | L(mm) | H(mm) | B(mm) | X(mm) | weight (Kg) |
|----------------------|----------------|---------------------------|-------------------------------|--------|-------|-------|-------|-------|-------------|
| FST110-020...L(S)008 | 50             | 40                        | 0.6(0.1)...8(7)               | G3/4   | 109   | 54    | 34    | 15    | 0.23(0.65)  |
| FST110-025...L(S)008 | 50             | 40                        | 0.6 (0.1)...8(7)              | G1     | 109   | 56    | 40    | 15    | 0.32(0.82)  |
| FST110-008...L(S)015 | 50             | 40                        | 1(0.5)...15(13)               | G1/4   | 93    | 52    | 30    | 12    | 0.22(0.53)  |
| FST110-010...L(S)015 | 50             | 40                        | 1(0.5)...15(13)               | G3/8   | 93    | 52    | 30    | 12    | 0.20(0.51)  |
| FST110-015...L(S)015 | 50             | 40                        | 1(0.5)...15(13)               | G1/2   | 93    | 52    | 30    | 12    | 0.18(0.48)  |
| FST110-020...L(S)015 | 50             | 40                        | 1(0.5)...15(13)               | G3/4   | 109   | 54    | 34    | 15    | 0.23(0.65)  |
| FST110-025...L(S)015 | 50             | 40                        | 1(0.5)...15(13)               | G1     | 109   | 56    | 40    | 15    | 0.32(0.82)  |
| FST110-015...L(S)025 | 50             | 40                        | 2(0.8)...25(25)               | G1/2   | 93    | 52    | 30    | 12    | 0.18(0.48)  |
| FST110-020...L(S)025 | 50             | 40                        | 2(0.8)...25(25)               | G3/4   | 109   | 54    | 35    | 15    | 0.23(0.65)  |
| FST110-025...L(S)025 | 50             | 40                        | 2(0.8)...25(25)               | G1     | 109   | 56    | 40    | 15    | 0.32(0.82)  |
| FST110-020...L(S)070 | 50             | 100                       | 27(21)...70(66)               | G3/4   | 115   | 62    | 40    | 15    | 0.23(0.65)  |
| FST110-025...L(S)070 | 50             | 100                       | 27(21)...70(66)               | G1     | 115   | 62    | 40    | 15    | 0.32(0.82)  |

**Selection table**

|          |         |     |   |       |   |   |                                     |
|----------|---------|-----|---|-------|---|---|-------------------------------------|
| FST110 - | G 1 4 K | D C | L | 0 1 5 | M | 1 | detailed                            |
| FST110 - |         |     |   |       |   |   | The FST110 piston flow switch       |
|          | G 1 4 K |     |   |       |   |   | Threaded joint G1/4 Internal thread |
|          | G 3 8 K |     |   |       |   |   | Threaded joint G3/8 Internal thread |
|          | G 1 2 K |     |   |       |   |   | Threaded joint G1/2 Internal thread |
|          | G 3 4 K |     |   |       |   |   | Threaded joint G3/4 Internal thread |
|          | G 1 K   |     |   |       |   |   | Threaded joint G1 Internal thread   |
|          |         | D C |   |       |   |   | DC power supply 24V±20%DC           |
|          |         | A C |   |       |   |   | AC power supply 230V±15%AC          |
|          |         |     | P |       |   |   | Plastic shell                       |
|          |         |     | L |       |   |   | Anodized alumina case               |
|          |         |     | S |       |   |   | Stainless steel case                |
|          |         |     |   | 0 0 7 |   |   | Setting range: 0.3...7L/min         |
|          |         |     |   | 0 0 8 |   |   | Setting range: 0.6...8L/min         |
|          |         |     |   | 0 1 5 |   |   | Setting range: 1...15L/min          |
|          |         |     |   | 0 2 5 |   |   | Setting range: 2...25L/min          |
|          |         |     |   | 0 4 0 |   |   | Setting range: 5...40L/min          |
|          |         |     |   | 0 7 0 |   |   | Setting range: 27...70L/min         |
|          |         |     |   |       | M |   | M12 connectors                      |
|          |         |     |   |       | Z |   | Directly attached to the line       |
|          |         |     |   |       |   | 1 | 1 switch point output               |
|          |         |     |   |       |   | 2 | 2 switch point output               |

- When ordering, please indicate medium flow direction, medium type, pipe diameter and expected value. We can help you to complete the setting before delivery.
- If it is a gaseous medium, please indicate the pressure (gauge pressure/absolute pressure), temperature and type of medium.
- Special thread connection, flow setting, customization.