

Реле расхода CX-FS-FR11, CX-FS-FR12

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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CX-FS-FR11 electronic flow sensor

Set range: See parameter list

Accuracy: $\pm 5\%$ FS

Medium temperature: Max.90 Celsius degree

Protective class: IP65

Delay: Depend on the switch point , min. point
0.6L/Min



Brief Introduction

- 1.Suitable for the gas and liquid measurement
- 2.The set range can be 1-20m/s and have relay output (230VAC.4A).
- 3.Concise and direct indicator ,and with high reliable
- 4.Widely used in pneumatic and hydraulic systems, flow monitoring for recycled water, cutting fluid and lubricating oil , the protection of pump's run idle

Main Features

- 1.No movable parts
- 2.Maintenance free and Easy installation
- 3.Suitable for variable diameter demand
- 4.Switching value can be adjusted continuously
- 5.Extremely low pressure loss
- 6.Compact structure
- 7.LED indicator display flow trend and switch state

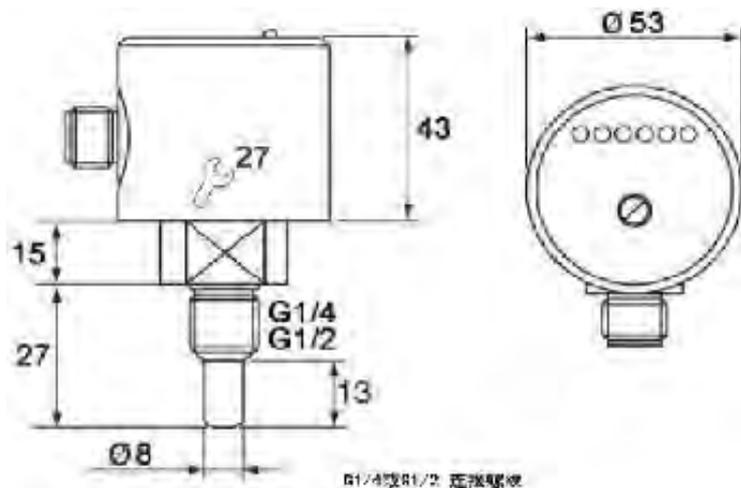
Technical Parameters

Set range	1...150cm/s(water),3...300cm/s(oil),20...2000cm/s(air)
Output	PNP, NPN, Relay ,4-20mA, NO+NC (SPDT)
Power supply	24V±20%DC
Switching Current	Max.400mA(PNP or NPN type), Max.4A(Relay type)
Unload current	Max.80mA
Flow indicator	LED (6)
Set type	potentiometer set
Proof Pressure range	100bar
Temperature gradient	4°C/s
Response time	1--13s,standard is 2s
Initialization time	8s
Electrical protection	reversed-phase ,short circuit ,overload protection
Protection class	IP67
Medium temperature	20--80°C
Environment temperature	-20--80°C
Storage temperature	-20--100°C
Connection	M12 connector /2m cable (option)
Material	Probe is stainless steel . Housing is PBT

Model

Model	Connection	Power	Output
CX-FS-FR12-G12H-DC-RQ	G1/2	DC24V	relay

Dimension



G1/4 or G1/2 screw connection

CX-FS-FR12 electronic flow switch(thermal differential type)

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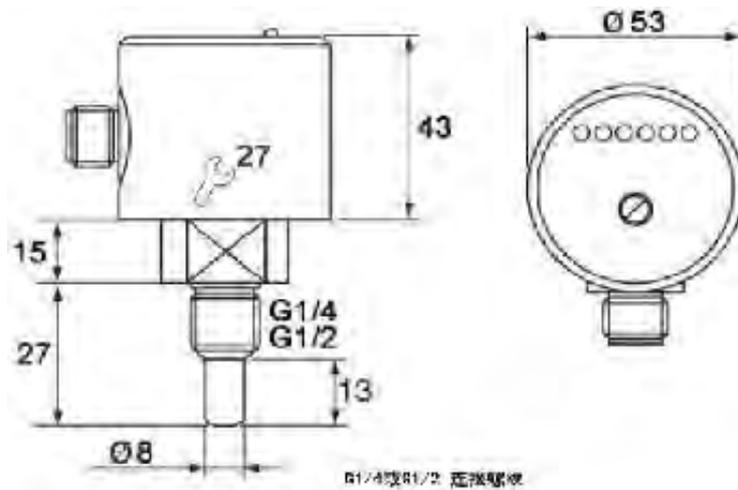
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Power supply	24V±20%DC
Switching Current	Max.400mA(PNP or NPN type) , Max.4A(Relay type)
Unload current	Max.80mA
Flow indicator	LED (6)
Set type	potentiometer set
Proof Pressure range	100bar
Temperature gradient	4°C/s
Response time	1--13s,standard is 2s
Initialization time	8s
Electrical protection	reversed-phase ,short circuit ,overload protection
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Model

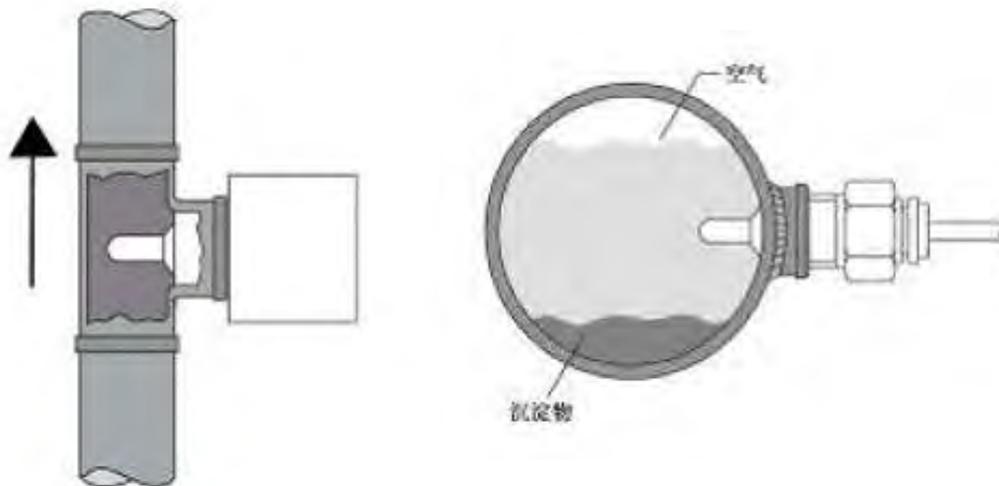
Model	Connection	Power	Output
CX-FS-FR12-G12H-DC-RQ	G1/2	DC24V	relay

Dimension



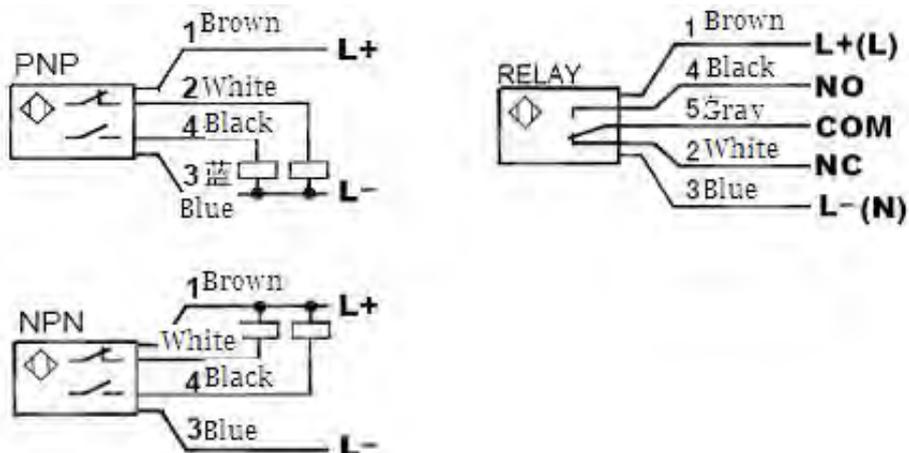
G1/4 or G1/2 screw connection

Installation



When mounted vertically, it should install on the tube which flow direction is from the bottom to the top. When mounted horizontally, the probe should avoid air and sediment.

Electric connection

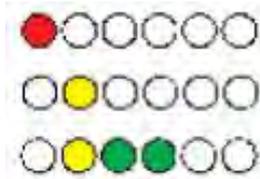


LED functions and setup (switch type)

Red LED light: If the cutting flow or velocity is less than the set value. The switch will be release and the analog value will be 4mA.

Yellow LED light: If velocity equal to the set value, switch action.

Yellow and green LED light :It means that velocity is larger than set value. If the velocity will be faster ,the green LED will be lighter ,



Installed the flow switch well ,let the velocity suit for monitoring and adjust the potentiometer .Let the first the green LED just turn light . Then, after the velocity less than the current value , the switch will be released . To make the switch point less than the current velocity , it can adjust the potentiometer and make the green LED lighter .

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