



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.

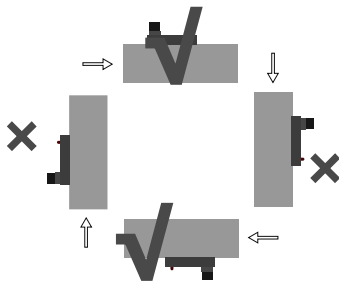
product application

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

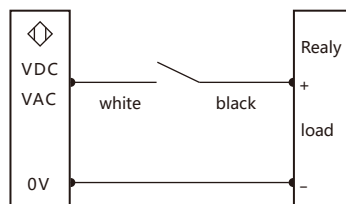
Technical parameters

◇ setting range: see the parameter table for details	◇Average pressure loss: 0.3bar (at 25L/min)
◇ Accuracy: ± 5 total range	◇Medium temperature: maximum 90°C
◇ hysteresis: at least 0.6l /min depending on the switching point	◇Protection level: IP67
◇ switch setting scale: is in the medium of water, temperature 20°C, the horizontal installation state for calibration.	◇FC210... P Material: shell: POM plastic piston: POM plastic Spring: stainless steel seal: NBR
Installation location, medium and temperature changes will have a slight impact on the switch value	◇FC210... L Material: shell: anodized alumina piston: POM plastic Spring: stainless steel seal: NBR
◇ LED display: dc power LED display switch status, ac no LED display	◇FC210... S material: case: stainless steel piston: POM plastic Spring: stainless steel seal: NBR
◇ wiring mode: M12 connector	
◇ Output: dry reed switch, capacity 24VDC/250VAC,100mA	
◇ Pressure: 10bar(plastic), 50bar (aluminum), 100bar (stainless steel)	

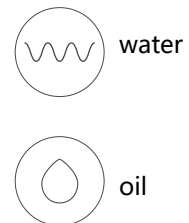
Installation drawing



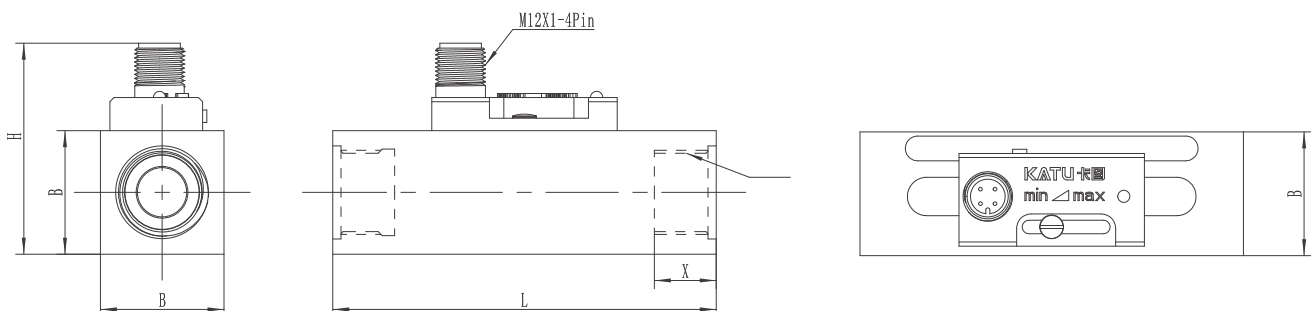
wiring diagram



Applicable medium



Size chart (mm)



Parameter table

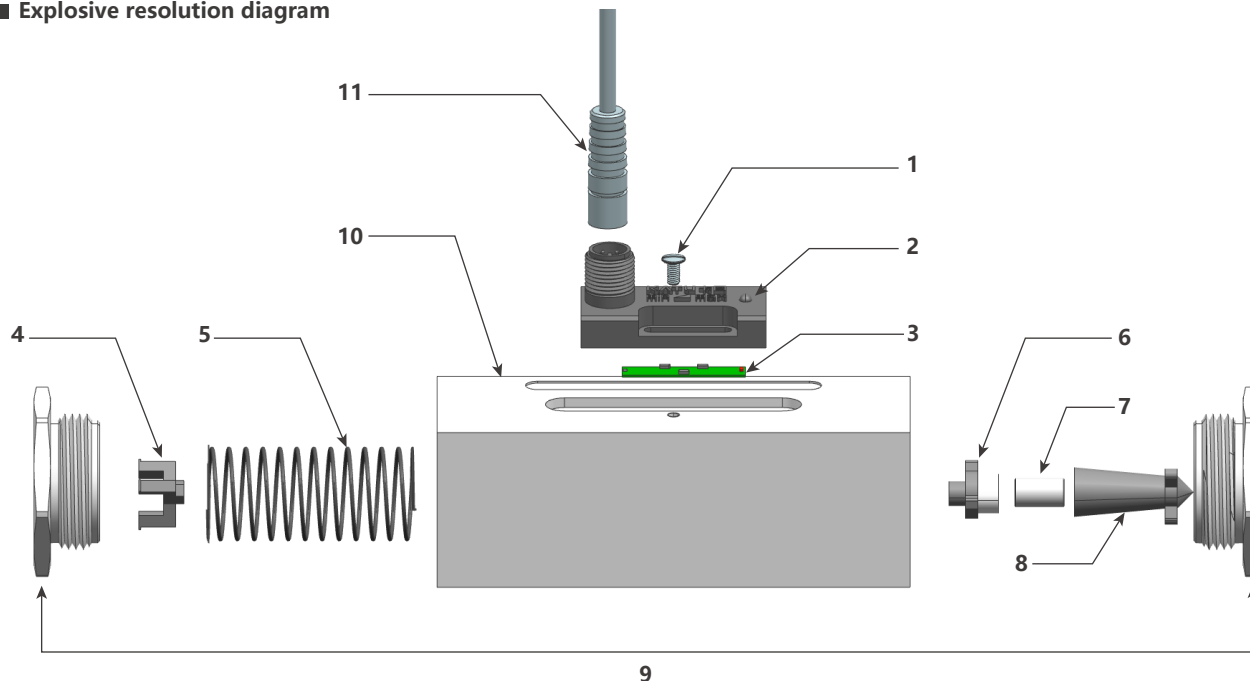
Model	Pressure (bar)	Maximum flow L/min(water)	adjustable range L/min(water)	G (mm)	L (mm)	H (mm)	B (mm)	X (mm)	Weight (Kg)
FC210-G3/4K...L(S)008	50	40	0.6(0.3)...8(7)	G3/4	109	54	34	15	0.23(0.65)
FC210-G1K...L(S)008	50	40	0.6 (0.3)...8(7)	G1	109	56	40	15	0.32(0.82)
FC210-G1/4K...L(S)015	50	40	1(0.5)...15(13)	G1/4	93	52	30	12	0.22(0.53)
FC210-G3/8K...L(S)015	50	40	1(0.5)...15(13)	G3/8	93	52	30	12	0.20(0.51)
FC210-G1/2K...L(S)015	50	40	1(0.5)...15(13)	G1/2	93	52	30	12	0.18(0.48)
FC210-G3/4K...L(S)015	50	40	1(0.5)...15(13)	G3/4	109	54	34	15	0.23(0.65)
FC210-G1K...L(S)015	50	40	1(0.5)...15(13)	G1	109	56	40	15	0.32(0.82)
FC210-G1/2K...L(S)025	50	40	2(0.8)...25(25)	G1/2	93	52	30	12	0.18(0.48)
FC210-G3/4K...L(S)025	50	40	2(0.8)...25(25)	G3/4	109	54	35	15	0.23(0.65)
FC210-G1K...L(S)025	50	40	2(0.8)...25(25)	G1	109	56	40	15	0.32(0.82)
FC210-G3/4K...L(S)070	50	100	27(21)...70(66)	G3/4	115	62	40	15	0.23(0.65)
FC210-G1K...L(S)070	50	100	27(21)...70(66)	G1	115	62	40	15	0.32(0.82)

Selection table

FC210-	G14K	DC	L	015	M	1	expatiate
FC210-							FC210 series piston flow switches
	G14K						Thread connection G1/4 internal thread
	G38K						Threaded connection G3/8 internal thread
	G12K						Threaded connection G1/2 internal thread
	G34K						Threaded connection G3/4 internal thread
	G1K						Thread connection G1 internal thread
		DC					DC power supply 24V±20%DC (two-wire NO switch)
		AC					AC power supply 230V±15%AC (two-wire NO switch)
			P				Plastic case
			L				Anodized aluminum case
			S				Stainless steel case
				007			Setting range: 0.3... 7L/min
				008			Setting range: 0.6... 8L/min
				015			Set range: 1... 15L/min
				025			Set range: 2... 25L/min
				040			Set range: 5... 40L/min
				070			Set range: 27... 70L/min
					M		M12 connector
						1	1 switch point output
						2	2 switch points output

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

■ Explosive resolution diagram



S/N	Instructions	S/N	Instructions
1	Set screw	7	magnet
2	Switch housing	8	Piston front cover
3	Switching unit	9	Process connection
4	Spring stay	10	Switch body
5	spring	11	Aerial cable
6	Piston cap		

Optional accessories - electrical accessories(Factory standard: ZL02-PC02G)

name	Outline drawing/dimension drawing (mm)	material	model
M12*1-4Pin (2m cable)		PUR	ZL02-PU02G
M12*1-4Pin (5m cable)			ZL02-PU05G
M12*1-4Pin (10m cable)			ZL02-PU010G
M12*1-4Pin (2m cable)		PVC	ZL02-PC02G
M12*1-4Pin (5m cable)			ZL02-PC05G
M12*1-4Pin (10m cable)			ZL02-PC010G
M12*1-4Pin (2m cable)		PUR	ZL02-PU02W
M12*1-4Pin (5m cable)			ZL02-PU05W
M12*1-4Pin (10m cable)			ZL02-PU010W
M12*1-4Pin (2m cable)		PVC	ZL02-PC02W
M12*1-4Pin (5m cable)			ZL02-PC05W
M12*1-4Pin (10m cable)			ZL02-PC010W

M12* 1-4pin self-connector/size drawing (mm)	model
	GL04 (4Pin joint)
	WL04 (4Pin joint)