



Principles and Features

LF10 Tuning fork level limit switch is a kind of universal level limit switch. Inspired by piezoelectric crystal a tuning fork produces an oscillation, when the tuning fork is liquid or solid immersion vibration frequency change, change the frequency by the electronic circuit electric parameters detected from the media and the turbulent, agitation, bubble, vibration, the influence of such factors as no moving parts , so no maintenance amount adjustment, is the ideal choice of the material level switch under complicated conditions.

application

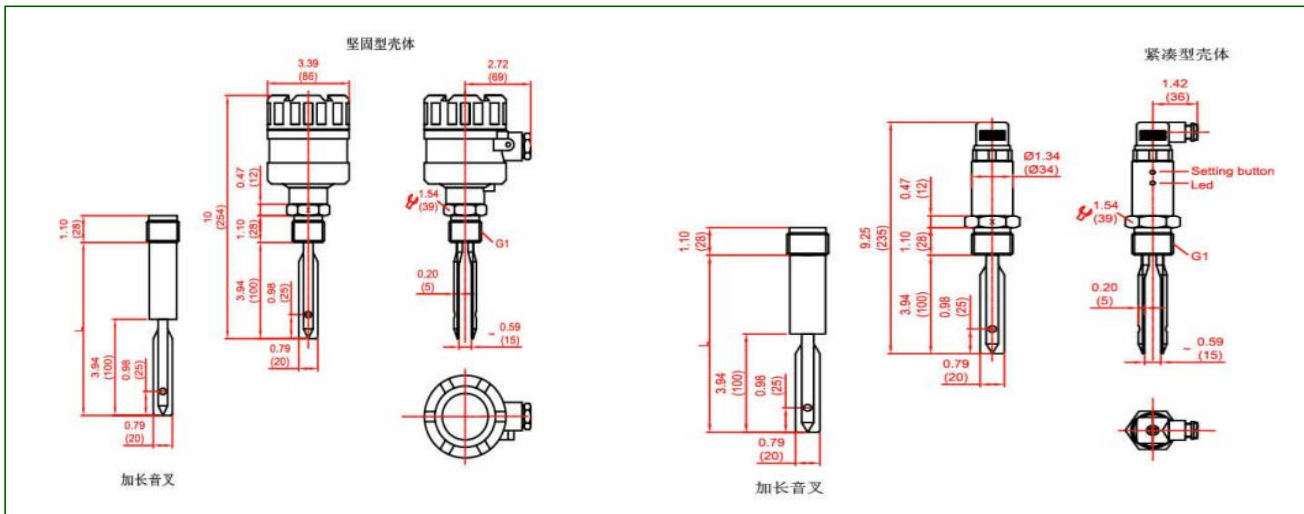
- Hydraulic/lubrication
- Pump protection
- The cooling system
- pulp
- Water treatment
- Food and beverage

- ◆ No moving parts
- ◆ Not affected by medium density and electrical parameters
- ◆ Stainless steel contact parts
- ◆ Ac/DC power supply is optional
- ◆ Output of relay
- ◆ Often on and often off can be switched
- ◆ Can be used for solid or liquid measurement
- ◆ Two electronic heads are available (compact/sturdy)

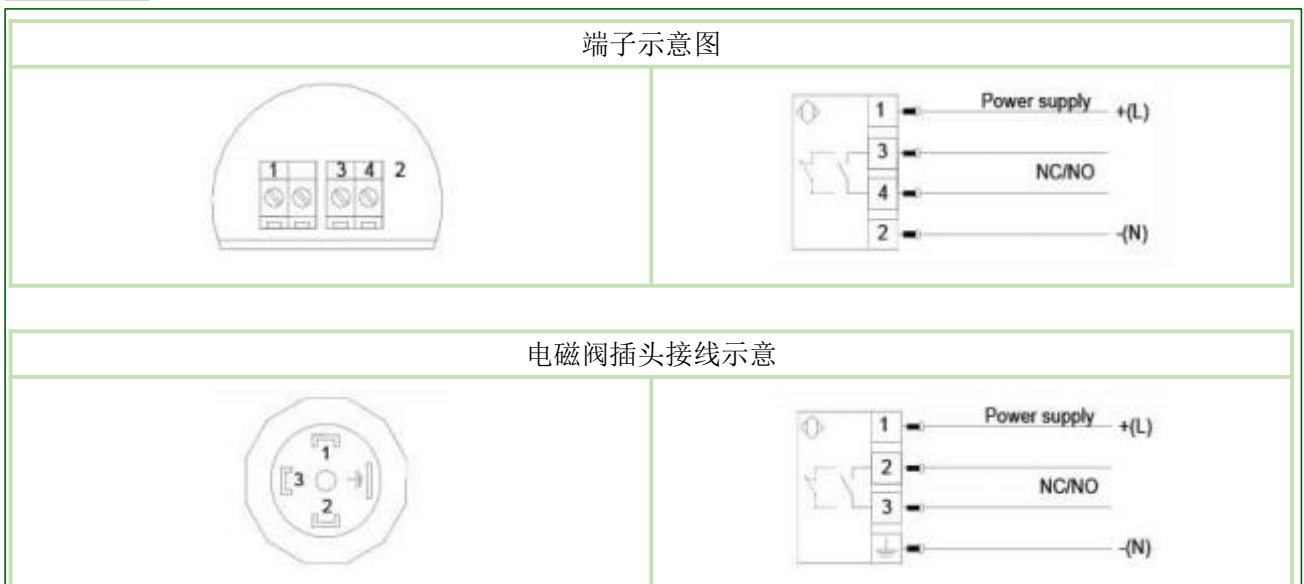
General parameters

Measuring the dielectric	液体或固体颗粒
Measurement of the density	≥0.6g/cm ³
pressure	20bar
Adjustable time delay	1...20s (仅限于坚固型)
The response time	1s
Dc supply type	24±10%Vdc
Ac power supply type	110Vac 或 220Vac
Power consumption	≤1W
Switch output	
The output type	继电器 (常开常闭设置)
Load capacity	AC220V (110V)/3A, DC
Wiring protection	反相
The temperature	
Working temperature	-20...80℃
Medium temperature	-40...150℃
material	
Compact housing	不锈钢 304
Solid type housing	模压铸铝
The fork body	不锈钢 316
Protection level	IP65
Round way	
Compact housing	端子接线
Solid type housing	电磁阀插头

尺寸图



接线图



选型表

LF1	LF10 音叉物（液）位开关	
220	024 : 24V 直流供电	
	110: 110V 交流供电	
	220: 220V 交流供电	
G1	G1 :	G1 外螺纹
	R1 :	R1 外螺纹
	N1:	1" NPT 外螺纹
	K:	卫生卡盘 50.5
R	R :	坚固型外壳
	C :	紧凑型外壳
S	S: 标准音叉	
	E: 加长音叉	
220	此选项将确定 L 值（见尺寸图）只有选择加长音叉才需要填写此项 XXX: 公制 L=XXX mm	