

SHICO.

MODEL : SVFLS

VIBRATION FORK TYPE LEVEL SWITCH



SALIENT FEATURES

- * No moving parts, no wear and tear.
- * Operates reliably in viscous liquids.
- * Not affected by streams, turbulence, floating particles and gas bubbles.
- * Operation is independent of electrical properties of the material.
- * Can be installed quickly in small entries, pipes and mixing tanks.
- * Installation is independent of position.
- * No adjustment required, therefore fast commissioning

VARIETY OF CONTROL FUNCTION AND VERSIONS AVAILABLE

- * Single-point control.
- * Adjustable switching delay for fork covered/uncovered.
- * Electronics remote, wall/back panel mounting.
- * Flame-proof version for hazardous areas.
- * Adjustable insertion length version.

APPLICATIONS

Fluidofork can be used for all type of liquids in storage tanks, mixing tanks and pipe lines having Temperature between -40°C and 85°C (Standard Version),

Other Temperature : Max. 160°C (Special Version)

Viscosity up to 10,000cP, Density greater than 0.7gm/c.c.

Fluidofork is suitable for most of the applications, where float switches were previously used and for liquids, which are sticky, corrosive, agitated, splashing and forming

USAGE

Levtester SVFLS...series of level switches are successfully used in processing plants for liquids having viscosity upto 10,000 cP in Food, Power, chemicals, Sugar, Detergents, Steel, Minerals, Textiles etc. It has also replaced the float operated switches in some of the applications. It is also not affected by electrical properties of the service material.



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VIBRATION FORK TYPE LEVEL SWITCH**PRINCIPLE OF OPERATION**

A specially shaped tuning fork is kept vibrating by piezo-electric elements.
The frequency of the fork changes when the tines are immersed in the liquid.
The change in the frequency is detected and used for switching a relay.
The output contacts of the relay can in turn be used for annunciation or control.

SPECIFICATION

① Power Supply	110 or 220V AC(-15% to+ 10%), 50/60 Hz OR DC24V
② Switch Contact	2a2b DC 24V 1A
Time Delay	Adjustable from 1 or 3 sec.
Power Consumption	5VA approx.
③ Protection	IP.56
④ Housing Material	Aluminum die casting
⑤ Cable Entry	PG #9 & PT 1/2 cable gland
⑥ Probe Operation Temp	-40°C to +160°C
⑦ Connection	3/4" or 1" screwed(flanged mounting on request)
⑧ Probe Material	Stainless steel 304,316
⑨ Level length	Standard : 135mm Others : User's information

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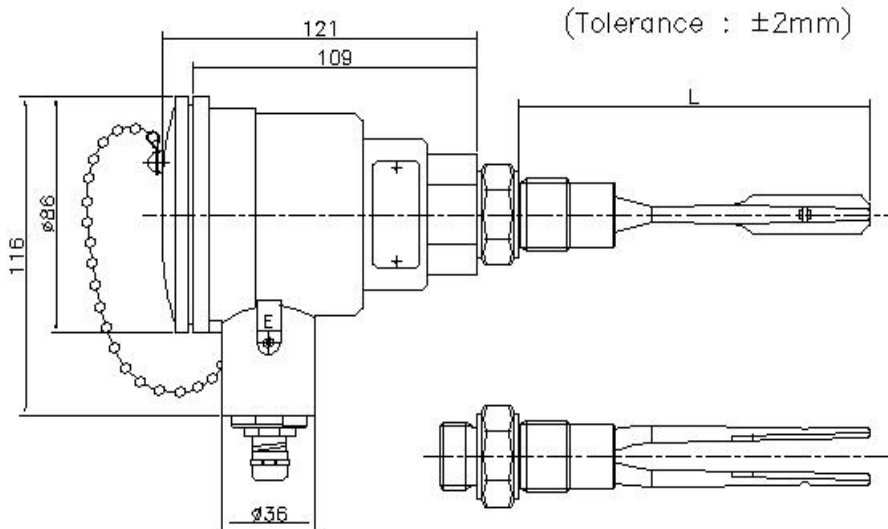
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MODEL : SVFLS

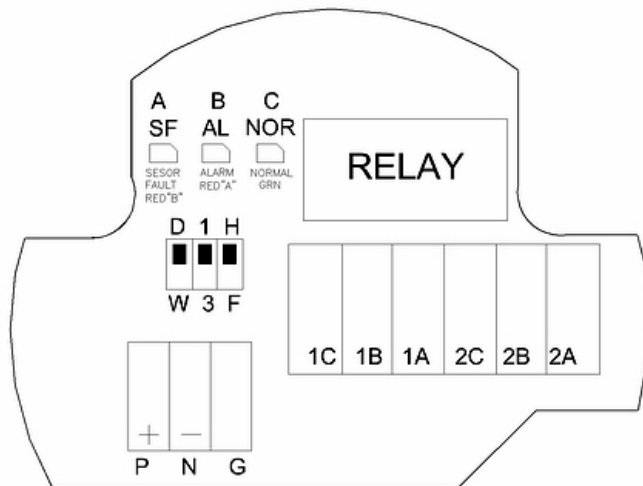
VIBRATION FORK TYPE LEVEL SWITCH

DIMENSION

Side View



Electrical Connection



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MODEL SELECTION

SVFLS

POWER SUPPLY

- 1.-DC 24V
2. AC110V / 220V / 60HZ , 50HZ

TYPE

1. -INTEGRAL (CONTROL UNIT & PROBE) STANDARD
2. -SPLIT (3 CORE CABLE USE PROBE WITH CONTROL UNIT)

2 CONNECTION

- | | |
|------------|-------------|
| 1. -SCREW | 1. PF 1" |
| 2. -FLANGE | 2. RF 2/4 |
| 3. -SCREW | INFORMATION |

SENSOR LENGTH(mm)

STD 135mm OTHER LENGTH

OPTIONAL PART

PROBE LENGHT REQUIRED (100mm TO 3499mm)

SWITCH CONTACT

1. SDDT
2. DPDT

HIGH TEMPERATURE
HIGH PRESSURE USER INFORMATION

EXPLOSION PROOF

SVFLS	1	1	S	135	1	SP	EX
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(example)



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