

Vibration Level Fork Switch for Liquid and Solid Detection

This vibration level switch provides point level detection for both liquids and solids. The device uses a tuning fork that vibrates at a specific frequency; when the material dampens the vibration, it triggers a switch output.



Overview

Tuning Fork Level Switch

The ULYC Tuning Fork Level Switch provides reliable point level detection for both liquids and fine-grained solids. Utilizing a piezoelectric crystal to maintain vibration, the switch triggers instantly upon contact with material. This maintenance-free design is unaffected by viscosity, foam, or pressure, making it ideal for diverse industrial applications.

Operational Metrics

Key Performance Metrics

2 MPa

Max Process Pressure

150 °C

Max Working Temp

0.6 g/cm³

Min Density

1.5 W

Power Consumption

Technical Specifications

Adjustable Output Delays

- 0.3s
- 1s
- 3s
- 10s
- 30s

Ingress Protection

IP65

Power Supply

DC24V, AC220V

Relay Output Rating

AC220V/5A, DC28V/10A

Explosion Proof Mark

Ex d a CT4

Applications

Supported Media

- Tap and Mineral Water
- Pulp, Glue, and Dyes
- Acid and Alkali Solutions
- Beverages
- Solid Powders