

Compact Level Switch Liquids | Vibration | Economical



Ring-21 Compact Liquid Level Switch

Overview

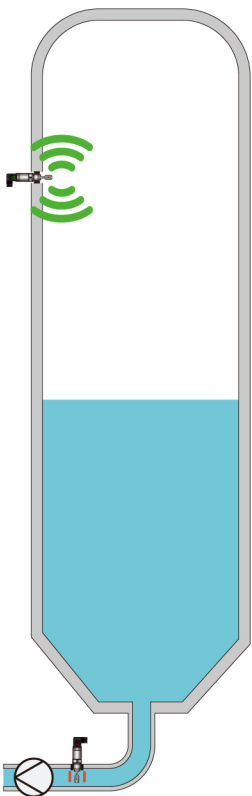
The Ring-21 compact tuning fork level switch is a cost-effective limit switch with a small and lightweight design. It measures only 160.5 mm in length and 31.5 mm in diameter, with a fork length of 38 mm. Suitable for liquids with densities as low as 0.7 g/cm³, it is ideal for low-cost, non-explosion-proof applications in pipelines or narrow spaces.

Principle

Based on the principle that the vibration frequency decreases when the fork is immersed in liquid, the detection circuit identifies the frequency change and outputs a switching signal.

Benefits

- **Cost-effective:** Practical and budget-friendly.
- **Export-ready:** CE certified.
- **High reliability:** Designed based on frequency variation detection.
- **Easy operation:** Safe, reliable, and widely applicable.
- **Compact measurement:** Ideal for pipelines and small tanks.



*Patent: 201520332293.3, Software Copyright Registration No. 1548696

Standard



High-Temp



Applications	<ul style="list-style-type: none"> The standard model suits small tanks, sumps, cooling tanks, pipelines, labs, water treatment, and HVAC systems. The high-temperature model is for non-explosion-proof high-temp environments like heat pump hot water, boiler feed tanks, chemical and food industry cleaning fluids, and cooling system pipelines. 	
Measurement Medium	Liquid $\geq 0.7\text{g/cm}^3$	High-Temp Liquid $\geq 0.7\text{g/cm}^3$
Process Temp	$-50 \sim 100^\circ\text{C}$	$-50 \sim 150^\circ\text{C}$
Process Pressure	$-1 \sim 40$ bar	
Housing Material	316L	
Process Connection	thread, clamp, customizable	
Signal Output	Relay, PNP, NPN	
Frok Material	316L	
Qualifications & Certifications	<ul style="list-style-type: none"> Ingress Protection: Pg11 — IP65 M12×1 — IP66/IP67 CE certificate: LVD certificate, EMC certificate 	