NWP
PLASTIC VIBRATING FORK LEVEL SWITCH

Flow
Pressure
Level
Temperature
measurement
monitoring
control

N1

- All Plastic Construction
- Tolerates Foaming, Turbulence and Coatings
- Reliable Solid State Design
- No Wear Components
- NEMA 6 rating

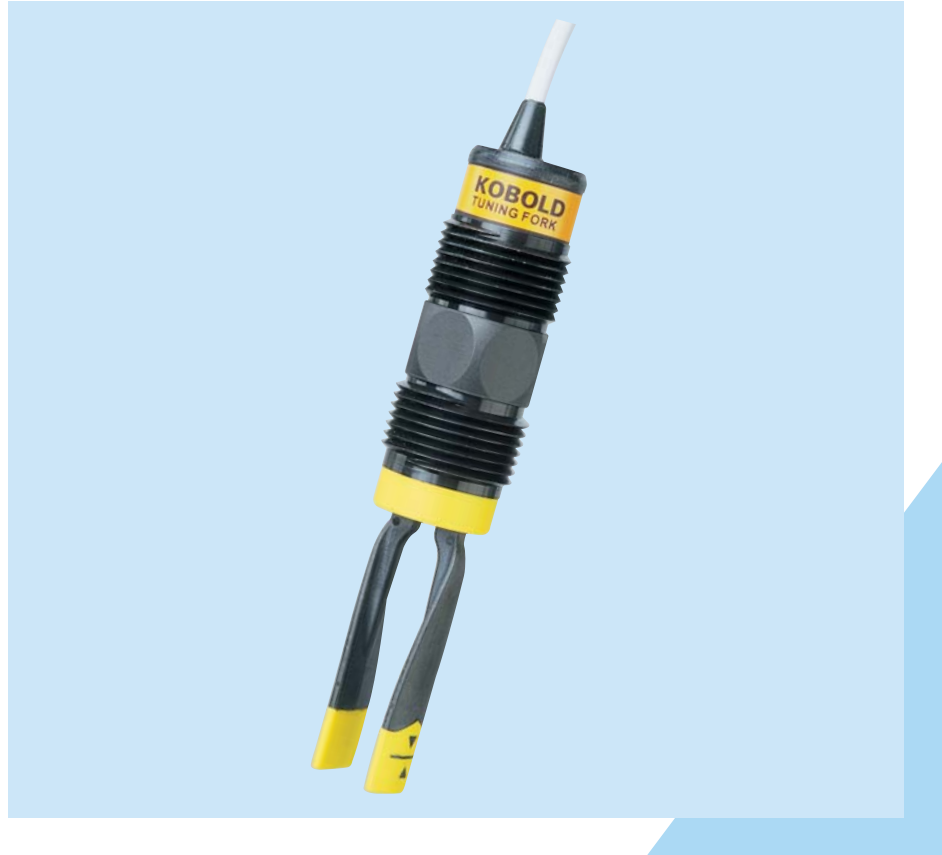Visit KOBOLD Online at
www.kobold.com

Model:
NWP

KOBOLD's NWP level switch works on the vibrating fork principle. The tuning fork vibrates at a frequency of 400 Hz in air. When the fork becomes immersed in liquid or slurry, the vibration ceases. This cessation is detected by the electronics which activate an SPST relay.

The robust vibrating fork technology provides a reliable switch for a multitude of tough applications and is suitable for use with foaming, turbulent and some coating media. The all solid state design affords the user the ultimate in reliability. A chemically resistant all-plastic design makes it ideal for use with many aggressive liquids.

Should your application require a higher power switching capability, a 10 amp relay output is available through use of the RL-series power supply/relay module.

Specifications

Accuracy:	± 1 mm in water
Repeatability:	±0.5 mm in water
Frequency:	400 Hz.
Fitting Size:	$^3/_4$" NPT
Wetted Parts:	Polypropylene, PPS
Housing:	Polypropylene
Temp. Range:	–40° F to 194° F
Pressure Range:	150 PSIG @ 25°C derated at 1.667 PSI/°C

Electrical Ratings
Protection:	NEMA 6/ IP68
Cable:	8 ft PVC jacketed
Power Supply:	12-36 VDC

Switch Type:
NWP-1405:	SPST Relay, 60 VAC/VDC @ 1 AMP Max.

KOBOLD Vibrating Fork Level Switch

SPDT Relay Operation

The low-voltage SPST Relay is highly reliable and will replace semi-conductor outputs when wired appropriately. The dry contact relay can switch higher voltages/currents via the use of an appropriate external relay, such as the KOBOLD RL- series.

Ordering Information

Description	Model
SPST Relay	NWP-1405