

**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**

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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

Subject to change without prior notice.