

NWP - Plastic Vibrating Fork Level Switches



Benefits and Features

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

General Description

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 a transistor switch or 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- 5900 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, Ryton®

Housing: Polypropylene

Temp. Range: -40° F to 194° F

Pressure Range: 150 PSIG @ 25° C derated at 1.667 PSI/ $^{\circ}$ C

Electrical Ratings

Protection: NEMA 6/ IP68

Cable: 8 ft PVC jacketed

Power Supply: 12-36 VDC

Switch Type:

NWP-1401: FET transistor, sinking, max.36 VDC 100 mA

NWP-1405: SPST Relay, 60VAC/VDC @ 1 AMP max.

Ordering Information

Description	Model
FET switch, sinking	NWP-1401
SPST Relay	NWP-1405