



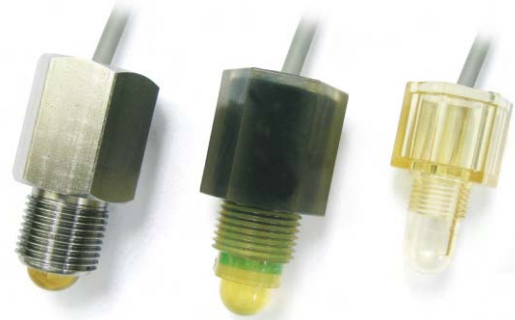
PROptic(SD1000)

Optical Switch

Operational Principle

Optical switch operates by sensing the difference between liquid and air using an infrared light source and detector. When dry, the transmitted light is reflected by the dome back to the receiver. When the sensor is dipped in liquid, only part of the transmitted light would be reflected back to the receiver while most is lost into the liquid. The status of alarm output is determined by the intensity of reflected light.

NEW



Product Feature

- Small dimension
- Low cost
- No moving parts

Product Character

- NPN/PNP open collector output
- One-piece design structure
- Over current and reverse polarity protected
- LED indication for alarm status

Product Application

- Liquid level and tank leakage detection in Food process, chemical machinery, pharmaceutical, lubrication, tooling machinery.

Product Specification

Material	PC, Polysulphone or SUS304
Power	10~28 Vdc with reverse polarity protection
Output	NPN or PNP open collector (with current limit for G3/8")
Repeatability	± 1mm
Operation Temperature	-10~60°C
Load Current	Max. 100mA or 400mA

Product Dimension

