**Introduction**

GLTV3 reed switch type level sensor, it is done by sealed reed switches positioned inside the main shaft of the sensor. A float with built-in magnets then triggers the reed switch relays, generating a potential-signal with resistance, current, or voltage value that increases or decreases according to the fluid level, then give the signal to the gauge via wires, which shows the right level reading by pointer.

In the whole reed switch level sensors, the float is the only moving part of the sensor, thereby minimizing potential mechanical failures to get the precision measurement.

**Specifications**

1. **Material:** SUS316 or SUS304 stainless steel
2. **Length range:** 100 to 2,000mm for standard (can be customized)
3. **Various types of flanges are available for fitting fuel tank if necessary**
4. **Connector:** Brand Delphi, Tyco or others is available according to customer's requirements
5. **Supply voltages:** 10 to 32V, Rated current for alarm switch: 500mA
6. **Output signal:**
   - Resistance range: 0 to 190Ω
   - Current range: 0 to 20mA, 4 to 20mA
   - Voltage range: 0.5 to 4.5VDC, 0 to 5VDC
7. **Resolution range:** 10 to 40mm
8. **Operating temperature:** -40 to 85°C
9. **Protection rank:** IP67
10. **Option:** high/low alarm

**Applications**

- Suitable for truck, generators, bus and marine field
- Widely used in fuel, water, kerosene and chemical tanks
- OEM quality, widely used on automotive and marine OEM
- Reed switch, Continuous and steady output signal
- Simple and strong structure, Advanced corrosion resistance
- Long service life, anti-vibration, anti-explosion
- High quality fuel level sender Economical level sensing solution
- Without limitation of environment, length can be customized
- Assembled with O-ring, easy for installation

**Indicators**

**Item** | **Specification**
--- | ---
**Range** | 100~2000mm (Can be customized)
**Output** | Resistance Output: 0~190Ω, 240~33Ω
Current output: 0~20mA, 4~20mA
Voltage output: 0.5~4.5VDC, 0~5VDC
**Power supply** | 10~32V
**Rated power** | 125mW
**Rated current for alarm switch** | 500mA
**Accuracy** | 10~40mm
**Operating temperature** | -40~85°C
**Protection rank** | IP67
**Wire** | PVC material (PA corrugated pipe cover is optional)
**Connector** | Delphi, Tyco or others is available according to customer’s requirements
**Probe material** | Stainless steel 304
Stainless steel 316L
**Floats material** | Plastic (for oil medium) Stainless steel 304 (For drinking water, chemicals, etc.) Stainless steel 316L (For sewage)
**Mounting** | BSP 1 1/2", BSP1 1/4" thread twist-in
NPT thread twist-in
SAE standard 5 holes
**Alarm switch** | Option high or low level alarm switch
GLTV3

**Sensor type**
- Fuel level sensor

**Output signal**
- Power 24-32V
- Current signal 4-20mA
- Common line

**Alarm switch**
- High level alarm switch
- Low level alarm switch
- Without level alarm switch

**Output signal test with multimeter**
- 4-20mA
- Negative pole of power

**Dimensions (mm)**
- 35
- 2.8
- 3.5

**Thread twist-in**

**SAE standard 5 holes**

**Code**
- F
- N
- Xm
- J3
- P1
- V
- A
- L2
- S1
- I2
- T1
- H1

**Code**
- Medium
  - Gasoline
  - Diesel fuel
  - Water
  - Polluted water
  - Drinking water
  - Alcohol
  - Chemicals (can be customized)

**Code**
- Probe material
  - Stainless steel 304
  - Stainless steel 316L
  - Plastic (for oil medium)
  - Stainless steel 304 (For drinking water, chemicals, etc.)
  - Stainless steel 316L (For sewage)

**Code**
- Mounting
  - SAE standard 5 holes
  - BSP 1 1/2" thread twist-in
  - NPT thread twist-in

**Code**
- Connector
  - Connector
  - Without connector

**Code**
- Alarm switch
  - High level alarm switch
  - Low level alarm switch
  - Without level alarm switch

**Complete specification**

---

**GaMicos**

Xi'an Gavin Electronic Technology Co., Ltd
T: +86 029-81292510  E: info@gamicos.com  W: www.gamicos.com