

LOW OIL LEVEL SENSOR

Part No: HV-2010

The HV-2010 Level Sensor is a capacitance type switch that will detect the presence or absence of lubricating oil in engines & transmissions. The self contained unit has a transistor switched output that will operate a relay coil or indicator lamp if required (max 1A output). The primary use of this unit is intended to switch a signal to the Montronics LevelCheck Monitor if the coolant level rises above a maximum. This sensor is configured for failsafe operation. ie: It will output while the probe is not covered with coolant, when the level rises above the sensor probe the signal will switch off.

Applications

- Hydraulic Oil & Engine Oil Level Indicator
- Transmission/gearbox Fluid Level Indicator
- Montronics LevelCheck systems models ELA10, ELA20

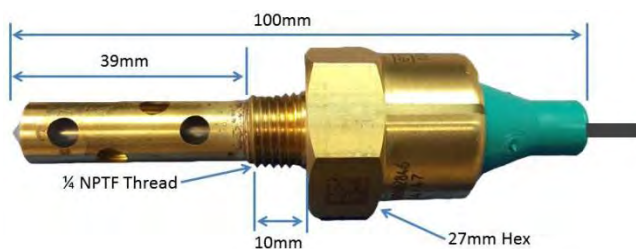
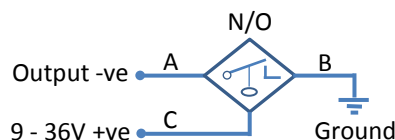
Features

- Compact size
- 1/4 NPTF connection
- fail safe operation
- Industry standard Deutsch DT connection
- Max 1 Amp switching current to ground
- Degree of protection IP68 (connector dependant)
- Withstands harsh environments such as engine compartments



Specifications

Voltage.....	9 to 36 VDC
Closed Circuit Consumption.....	6mA
Output Signal.....	Transistor Low Side Switching (LSS)
Output Signal Max. Switching Current.....	1 Amp (short circuit and overload protected)
Voltage Drop.....	<300 mV
Response Delay.....	approx. 7 seconds (standard)
Degree of Protection.....	IP68 (dependant on connection)
Electrical Connection.....	Deutsch DT 3 way (DT04-3P)
Pressure resistance.....	25 bar (367.5 psi)
Reverse Polarity Connection.....	Yes, inbuilt
Mounting Thread.....	1/4 NPTF
Mounting Thread Depth.....	10mm
Installation Hex size.....	27mm
Connection Cable Length.....	220mm
Dimensions Body Overall Length.....	117mm
Switch Body Overall Diameter.....	31mm
Probe Length.....	39mm
Weight.....	129 grams



WARRANTY: Montronics Pty Ltd Warrants the Level switch for a period of 12 months from date of purchase. Warranty shall cover defects in material and workmanship of this product Only. Any failure due to or arising from faulty installation, abuse or neglect is beyond the control of the manufacturer and as such will void warranty. All warranty will be carried out at the manufacturers premises. The cost of removal, postage, freight etc, shall be the owners responsibility.