

## TECHNICAL DATA

### Coolant Level Switch – Capacitance Type

Part Number: 098015016



The level switch is an active device designed to give an alarm signal if liquid falls below, or rises above, a preset level. It can be specified with a delay to eliminate false alarms due to turbulence.

Containing a factory programmable microprocessor, the switch offers sink to ground or source voltage output. Its small footprint with limited intrusion into the tank means a reduced risk of damage and a wide range of customer specifiable options make it suitable for most applications.

The switch is designed to operate in both earthed metal and isolated plastic tanks. For high accuracy, it is ideally mounted horizontally at the point where an alarm or control signal is required. However, the switch can be mounted vertically.

## SPECIFICATION

**Liquid types:** Water based liquids, such as coolant or washer fluid, compatible with brass, PTFE, EPDM and FVMQ.

### Electrical rating

**Supply voltage:** 9-36 VDC.  
**Supply current:** 7 mA + source output.  
**Max. load current:** 1.0 A (sink) or 20 mA (source).  
**Output type:** Close to GND (B-) on fault.

### Construction

**Body:** Brass.  
**Probe:** PTFE.  
**Terminals:** Brass, Tin Plated.  
**Seals:** EPDM & FVMQ.  
**Connector:** PA66 30% Glass Filled Nylon.  
**Thread sealant:** Vibra-Seal 516 (taper thread variants only).

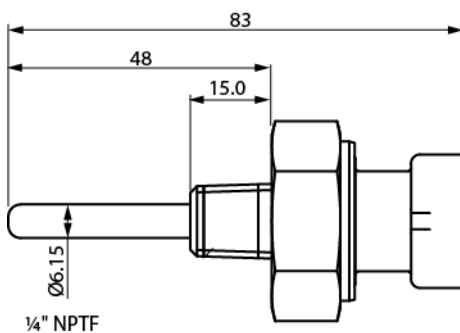
**Connections:** See diagram below.

### Environmental Ratings

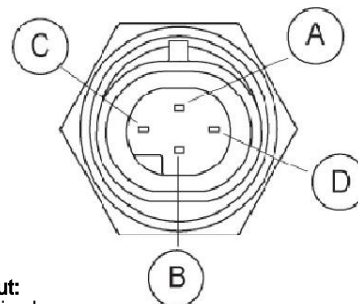
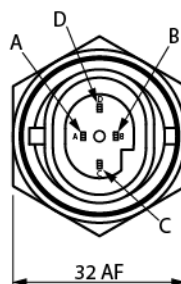
**Ingress:** IP67 (with mating connector fitted).  
**Max. pressure:** 5.0 Bar (72 psi)  
**Temp. range:** -40°C to +125°C  
**Weight:** 70g typical (dependent on thread size)  
**EMC:** ISO13766:2006

### Vibration (15.3 Grms)

3 orthogonal planes for 3 hours per plane  
 Testing performed in accordance with BSEN 60068-2-64:1993  
**Drop:** 1m to concrete surface.



Tightening Torque: 9Nm



### Plug Pin-Out:

A: Not required  
 B: Battery negative  
 C: Battery positive (Recommended IGN+)  
 D: Shutdown output (Negative signal)

### Supplied Accessories

**C/K1:** Packard Metri-Pack 150 series mating connector kit to suit harness wire cross sectional area of 0.8 to 1.0 mm<sup>2</sup> and sleeve Ø1.60 to 2.15 mm.