

Low coolant warning

June 2011

Buses



Customer

One of the oldest and most respected bus manufacturers in the UK making single and double decker vehicles which sell to all corners of the earth. Fozmula had supplied a capacitance technology based level switch used to detect loss of coolant on a previous series of buses for a number of years, and was invited to offer a solution for the current series of single and double decked vehicles.

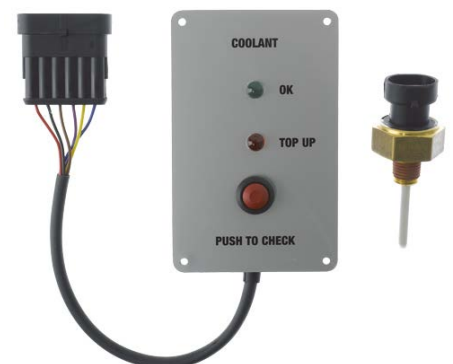
Application

The lack of quick and easy access to be able to check the level of coolant prior to commencing work meant that it was not often checked which in turn could lead to severe damage to the engine if there was insufficient coolant. In addition to engine repairs or replacement, extra costs could include the attending engineer's time, towing in and loss of revenue whilst the vehicle was out of service.

Product

We designed a check system capable of being fitted either as a standard part, or as a retrofit, to tell the operator if the engine coolant level was low or not. A pushbutton powers the sensor, mounted at the low level point, which detects the level of coolant and illuminates either a large green or red LED on the panel. If the green LED illuminates then the level is satisfactory, however, if the red LED is illuminated it latches, preventing the bus from being started, and remains in that state until sufficient coolant is added to immerse the sensor.

The system was trialed on a number of buses and declared to be very satisfactory.



Fozmula is very pleased to be supplying such a high profile and prestigious company with a custom designed product. This is one more in a long list of application based products which Fozmula has designed and put into production.