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S85/S86 Capacitive Liquid Level Switch.

Four New Capacitive Liquid Level Switches from Fozmula - Perfect at any Level!

Capacitance technology in the measurement of fuel, oil and coolant levels is now the favoured alternative to traditional methods and this range of capacitance switches is just the latest innovation from the UK's leading designer of liquid level measurement equipment which supports a wide range of industry throughout the world.

With the introduction of the S81, S82, S85 and S86 Capacitive Liquid Level Switches from Fozmula, design engineers and specifiers now have a more efficient and flexible option for detecting liquid levels thus avoiding costly equipment damage.

The S81 and S82 switches are fitted with a DIN 72585 connector making them suitable for German and other European markets and their relevant standards, whilst the S85 & S86 are designed primarily for the UK and the US markets by being fitted with a Delphi Packard style connector. The S81 and S85 switches are used in radiators, coolant top-up reservoirs or other water based applications, with the S82 & S86 switches being for oils such as engine oil, hydraulic oil, compressor oil etc.

All of these models are lighter in weight and, in response to customer demands, more compact than earlier versions, so making them being less prone to external physical damage and benefiting the end user by making installation easier. Being solid state and with no moving parts they are characteristically robust, fully featured, rugged and extremely reliable in applications where environmental conditions subject the switch to high levels of vibration, shock, dust, water and similar. Tanks can also contain contaminating solids such as rust particles which frequently cause traditional swing arm senders or float switches to fail, but Fozmula's switches are impervious to such conditions.

Designed specifically for OEM customers the switches are competitively priced and will interchange with many similar products, potentially avoiding any costly modifications or changes to wiring looms, system programming etc. The range is designed and manufactured to meet sealing requirements of IP67 and to work in high pressure (5 bar) and low and high temperature (-40°C to + 130°C) environments. They also have been tested and comply with all relevant vibration and EMC standards.

A selection of thread sizes also makes these switches universal and able to suit many different applications, plus they offer over 30 customer selectable switching configurations with an integral factory programmable micro-processor.

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Other vital features include alarm activation delay for when levels have not yet settled during system power-up or for occasions when equipment is turned or moved thus causing liquid levels to disperse and become uneven. The alarm delay can be factory set for up to 20 seconds duration.

When levels are detected to have dropped dangerously low, the engine management system can be programmed so that an emergency shutdown state is instantly activated which will prevent expensive damage to the engine.

The complete range of switches has evolved in line with industry expectations and customer demands and is available off the shelf, although Fozmula does offer a full customising service.

Current users include manufacturers of diesel engines, buses and coaches, utility vehicles, marine and industrial generator sets, compressors and hydraulics systems to name but a few.

Leamington Spa based Fozmula has been pioneering the design and manufacture of a vast range of liquid level measurement equipment for over thirty years, which endorses the claim that this exciting new range of switches are entirely British designed and manufactured.

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