



Application

The Reed Switch line of fuel senders fit tanks 4" (101.6 mm) to 42" (1067 mm). They are designed for top mounting in aluminum, plastic, steel or stainless steel fuel tanks in all types of industrial equipment. These senders are recommended for both on-road and off-road applications. They include special features and protection from corrosion (internal and external to the fuel tank) which makes them the quality standard for all industries.

General Information & Features

Standard mounting configuration, SAE 5 hole bolt pattern. The head and support are made of stainless steel and is suitable for harsh off-road conditions. The sender is suitable for gasoline, ethanol, diesel, bio-diesel, urea and water. Industry standard output: 240-30 ohms. (others on request) The close tolerances held on this series of Reed Switch fuel level sender will provide the proper signal for any popular instrument or controller.

General Specifications*

Mounting:	Designed for top mounting only
Accuracy:	System accuracy depends upon proper sender sizing. Resistance values are 30 ohms +/-2% at full and 240 ohms +/-2% at empty. System accuracy may depend upon tank shape.
Temperature Range:	-40°F to 176°F, -40°C to 85°C
Power:	0.5 Watts maximum
Leak Test:	Passes 16 PSIG (1,1 Bar) test
Gasoline Rocker Test:	3,000,000 cycles
Thermal Shock/ Hot Dunk Test:	10 cycles in air, +85°C to immersion in Room Temperature Saline
Dry Bench Cycling:	25,000,000 cycles
Vibration Test:	6 hours each plane, 9.9 Grms, 24-2,000 Hz
Salt Spray Test:	96 hours external as mounted
Drop Test:	1.2m onto concrete from each orientation
Power Wash Test:	50 cycles, 3,000 psi, 2.7 gal./min.
Lead Pull Test:	20 lbs. harness, 10 lbs. each wire

*Materials and Specifications are subject to change without notice.



Materials of Construction*

Head:	Stainless steel
Support:	Stainless steel
Float:	Nitril rubber
Material Compliance:	RoHS Compliant
Wiring Harness:	18 awg. wires Black & white PVC insulation. Black overmolded PVC jacket.
Optional mounting gasket:	Nitrile or Viton - Please specify

Note: For installation instructions see MS-514.

