LOW FUEL LEVEL SENSOR

DESCRIPTION:
Our Low Fuel Sensor was carefully chosen to monitor aircraft fuel level. It works great in the harsh environment of the fuel tank area and has a proven track record. The output is high when the sensor is in the air, low when in liquid. Please check with us to see a list of products that utilize this sensor.

SPECIFICATIONS:

Sensor Operating Temp.	-25 °C to 80 °C (-13 °F to 176 °F)
Storage Temperature	-30 °C to 85 °C (-22 °F to 185 °F)
Supply Voltage	5.0 Vdc to 12.0 Vdc (12.5V absolute maximum)
Supply Current	15 mA nominal
Output polarity	High in air, low in liquid
Output Current	10 mA max. Sinking, 5mA Sourcing (at 25 °C and +5V)
Output	TTL compatible if +5V supply is used
Response Time	Rising Liquid 50 µSec.
Response Time	Falling Liquid 1 Sec max.
Connections:	RED to +V Supply, GREEN Output, BLUE common or chassis
Washer	Nitrile rubber
Nut	Stainless Steel 12mm x 1.0
Outside nut dimensions	19 mm (0.75 in)
Pressure Range	0 to 72 PSI
Sensor length from outside wall of fuel tank to tip of sensor	17.8mm (0.70 inches)
Recommended Hole size	12mm ±0.3mm (0.4274 ± 0.012 inch)

INSTALLATION:
After installing the sensor, we recommend to using a small amount of Pro-Seal or another brand of fuel tank sealant to secure the inside nut. Applying a small bead around the outside nut may also inhibit future leaks from forming. These suggestions are just a bit of extra insurance.

WARNING: This sensor was not originally designed to connect directly to a +12V avionics bus. The highest voltage for an aircraft bus is well over the limits of this sensor. Bus voltages for aircraft may routinely go from 11V to as high as 14V at times. This will damage the sensor. All of our products that utilize this sensor take this into consideration. They are designed to be safe and reliable.

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