

Switching Relay Series MEMS Inclinometer

The 2GIG Switching Relay pitch and roll sensor is engineered to work for all applications. Our internal software provides unlimited programming capabilities that allow us to provide one of the easiest to use sensors on the market.



ENGINEERED TO PERFORM
AT EVERY LEVEL

ADAPTIVE SENSING TECHNOLOGY

| STABILITY |

Combination of a 3-axis Accelerometer and 3-axis Gyroscope provides excellent stability under extreme environments

| FILTER |

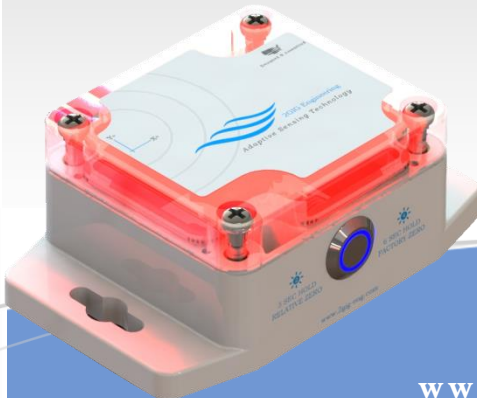
Custom filter using an advanced Kalman-based sensor fusion algorithm

| RELIABILITY |

Polycarbonate enclosure with an epoxy encapsulated PCB allow this sensor to withstand extremes

| ACCURACY |

Excellent dynamic accuracy for challenging conditions.



>Our switching relay tilt sensor is the number one solution for any DC switching application. The switching relay tilt sensor contains active high, DC sourcing outputs which are capable of driving high current loads. Whether you need a simple DC voltage tilt switch or to power up leveling hydraulics, the switching relay inclinometer is designed to be the perfect fit-and-forget solution or drop-in replacement.

- 0.1° Accuracy / Temperature Compensated
- Single Axis Trip Range up to $\pm 180^\circ$ (User specified)
- Dual Axis Trip Range up to $\pm 90^\circ$ (User specified)
- Horizontal or Vertical Mount Options
- Relative Zeroing Button
- Easy Installation, no moving parts or maintenance
- CANBUS option is available
- User-adjustable via USB software or CAN command

>Rugged and robust design built with materials chosen for their ability to survive the harshest of environments and operating conditions. Featuring an anti-fungal housing with a protection class rating of IP67, these inclinometers are guaranteed to work with the highest accuracy in any industrial condition.

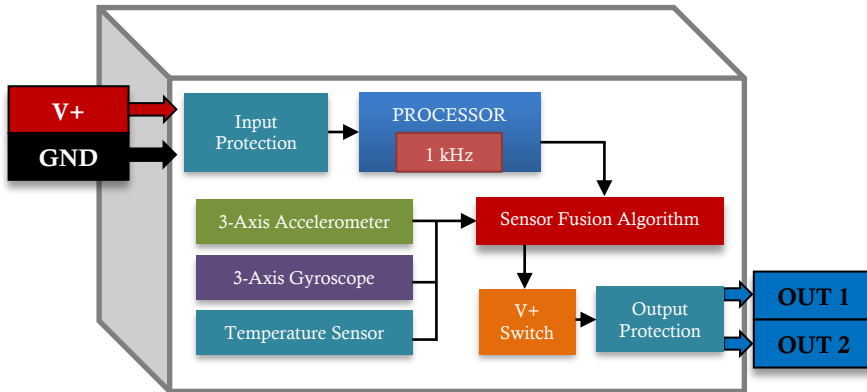
>Flexible lead times and top notch customer service allows us to put a 2GIG inclinometer in your hands when you need it. Our rapid communication and “on demand” supply method eliminates long lead times and ensures every customer is treated as the highest priority.

www.2gig-eng.com

| 194 Main Road, Abbot, Maine USA 04406 | 207.876.4800



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Input Protection Circuitry

- Reverse Polarity Protected
- Overvoltage Protected up to 60VDC
- CE Compliant Protection – Resists surges up to 500V and 250A

Sensor Fusion Algorithm

Our advanced algorithm provides excellent dynamic accuracy for high vibrate and high acceleration conditions.

V+ Switch

The digital V+ switch will send the protected input supply voltage to the outputs when activated. Otherwise, it will be an open circuit when inactive.

Output Protection

The output protection circuit will shut off the outputs during a short circuit or over-current situation, keeping the device protected.

Customize your inclinometer

- Marine-Grade Stainless or Aluminum enclosures
- Wiring or connector options
- Add CANBUS Communication
- Pair with our wireless transmitters
- Custom configurations allow us to alter the trip angles, trip delays, reset delays, etc.

LEVELING THE WORLD

The Switching Relay Inclinometer has a wide array of uses. Our team of engineers can work with you in order to create the sensor that fits your application. Whether its legacy units, drop-in replacements, or new applications, 2GIG can provide the correct settings for your application.

AERIAL LIFTS



CONSTRUCTION



MARINE



AUTOMATION



AGRICULTURE



INDUSTRIAL



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