

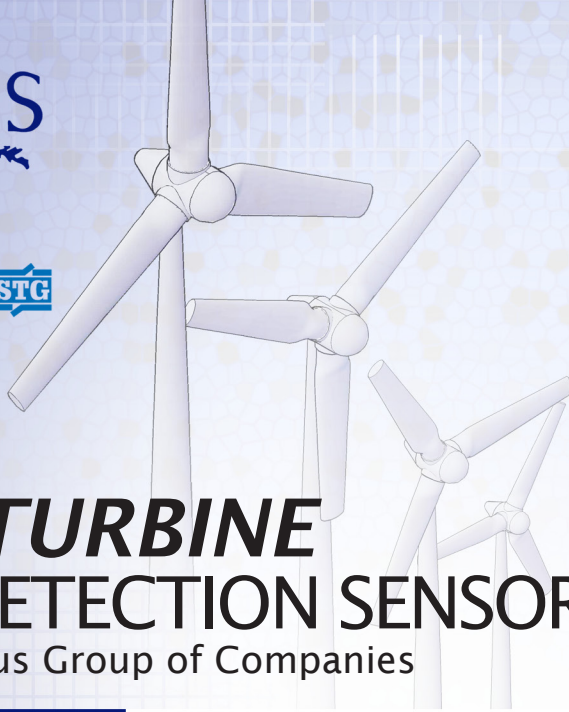
# COMUS



ASSEMtech  
EUROPE

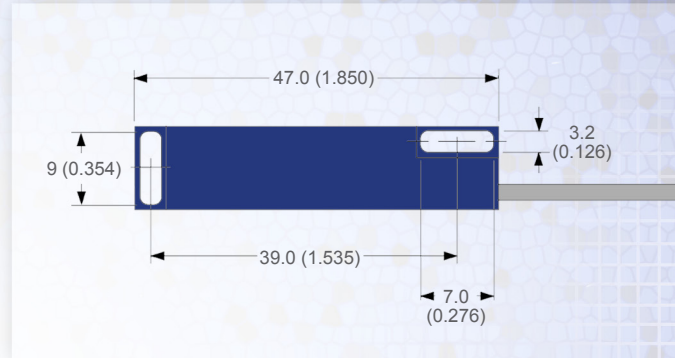
GTO  
TECHNOLOGY

STG



## WIND TURBINE MULTI DETECTION SENSOR

From the Comus Group of Companies



### FEATURES

- Multi Axis G-Force
- Senses XYZ Planes
- Programmable Outputs
- Digital Output
- Analog Output
- Vibration Resistant
- Mechanical Stress Resistant

### Detection

- Angle
- Shock
- Acceleration
- G-Force

### Customization

- Reaction Time
- G-Force
- Tilt Control
- Size of Unit



The Comus Group presents our newest additions to the Smart Sensor line. The [PDT1004](#) and [PDG1003](#) are multi-function sensors constructed around small profile housings for ease of mounting anywhere your application requires.



The PDT1004 is built for tilt angle detection of 45 degrees, but any angle can be pre-factory configured. The PDG1003 is offered in two standard ranges of 0-2G and 0-6G in all axes.



A key feature of both these sensors is the ability to handle large shock force. As a standard feature these sensors have over voltage protection. For industrial applications where rugged environmental conditions meet the need of precision and high quality performance, both of these sensors answer the call.

### OTHER COMUS SENSORS

- | [Getting Smart with Sensing Technology](#)
- | [Surface Mount Reed Switches](#)
- | [RBF Safety Warning Light](#)
- | [Night Vision with a Flip of a Switch](#)
- | [In the Spotlight Solid State Relays](#)
- | [Housed SMD Reed Switches](#)
- | [Patio Heater Tip Switch](#)
- | [Electronic Inclination Sensor](#)



### APPLICATIONS

Our Smart Sensors can be fitted into the most diverse of applications:

- vibration detection
- platform leveling or balance sensor
- security sensing for alarm warning systems

Using kinetic energy from the wind to produce power, wind turbines are becoming a vital source of renewable energy for many countries in efforts to reduce their needs of fossil fuels and lowering their carbon footprint. Standing as tall as 120 meters in some cases with rotor diameters of 94 meters, it is important to know when the turbine is not performing optimally before more severe problems arise. Detection of ambient vibration in excess of normal tolerances or angles on the rotor that exceed specification limitations are just two examples of what our Smart Sensor does to ensure this vital application functions as it should on a daily basis.