

The Comus International group of companies consists of:

**Movement / Vibration Modules

Due to the unique features of these modules and the wide range of motion and vibration they may be subjected to, we suggest actual testing of these particular models to determine the suitability of the module for each application.

This non-mercury sensor has been designed to detect movement or vibration. The sensor will react when disturbed by giving an intermittent change of state (ie n/o to n/c or vice versa). The time taken to settle depends on the amount of energy absorbed by the sensor; the settled state will normally be closed. The sensors contacts, when undisturbed, are normally closed, however it is possible to mount the switch with contacts open therefore we recommend that applications look for change of state not contact open or closed. This product offers additional sensitivity adjustment via an internal potentiometer. The output is referenced to OV and can drive a transistor or similar device.

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CW60A/30

This sealed tilt sensor has a differential angle of 15° Degrees. The output signals are logic levels with a degree of de-bouncing applied.

The amount of debounce is adjustable via a potentiometer. The output signal can be used to drive a transistor if required.



Comus International 454 Allwood Road New Jersey 07012

Tel: (1)973 - 777 - 6900 Fax:(1)973 - 777 - 8405 email: info@comus-intl.com

internet: http://www.comus-intl.com

COMUS



Assemtech Europe Limited Unit 7, Rice Bridge Industrial Estate Thorpe - Le - Soken England COI6 OHL Tel: +44 (0)1255 862236 Fax: +44 (0)1255 862014

email: sales @ assemtech.co.uk

internet: http://www.assemtech.co.uk



Comus Belgium BVBA Overhaamlaan 40 B-3700 Tongeren

Tel: +32 (0)12 390400 Fax: +32 (0)12 235754 email: info@comus.be internet: http://www.comus.be



Comus International SARL Immeuble 'Les Juilliottes 31 Cours des Juilliottes F-94700 Maisons-Alfort

Tel: +33 (0)1 43 96 86 10 Fax: +33 (0)| 43 96 86 || email: info@comus.fr internet: http://www.comus.fr



Switching Technologies Gunther B-9, B-10, & C-1 Special Economic Zone (MEPZ) Tambaram Chennai 600 045 Tel: +91 44 22628093 Fax: +91 44 22628271 email: stg@stg-india.com



Comus Electronics and Technologies India Private Limited No 26. Crescent Park Street T Nagar Chennai 600 017 Tel: +91 44 42127124 Fax: +91 44 42127125 email: venkatraman@comus-intl.com syed @ comus-intl.com internet: http://www.comusindia.com

Non Mercury Switches

The products included in this catalogue are all designed to detect motion or movement. Forms of movement are: Tilt, Rotation, Vibration, Shock or Acceleration Many of these can also be supplied for surface mount applications.

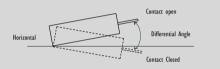
Tilt Switches

DESCRIPTION

These operate when tilted from the horizontal position. The switch movement required to cause contact change is called the differential angle. It is very important when designing a tilt switch to allow for the differential angle and understand that when in the horizontal position the switch contact may be open or closed.

Tilt Switch Modules

A Tilt Switch can be located inside a sealed (usually plastic) enclosure. Flying leads are provided for easy connection.

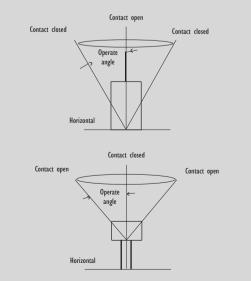


Tip-Over Switches

These operate when the switch is tilted from the vertical position. The angle through which the switch has to move before operating is called the operating angle. Many of these switches are omni-directional. Please state whether you require normally open or closed when

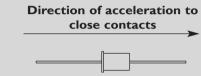
Tip-Over Switch Modules

A Tip-Over Switch can be located inside a sealed (usually plastic) enclosure. Flying leads are provided for easy connection.



Acceleration Sensors

These switches can have a normally open, or normally closed contact which will open or close when the switch reaches the acceleration activation level.



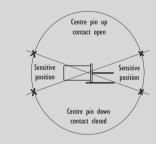
Movement and Vibration Switches

When correctly positioned the switch contacts will react by giving an intermittent change of state when subjected to movement or vibration.

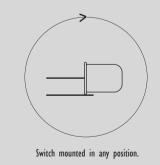
Movement and Vibration Switch Modules

A Movement or Vibration switch can be located in a sealed (usually plastic) housing.

Position Sensitive



Non Position Sensitive



We also have a large network of worldwide agents. These can be seen on any of our websites, or on our company profile brochure.

As part of the group's policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on our products.

All dimensions are nominal in millimetres unless otherwise stated. If further information is required individual datasheets are available on our websites, and on CD.

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