

TVSD-143

Shock, Tilt and Vibration Detector

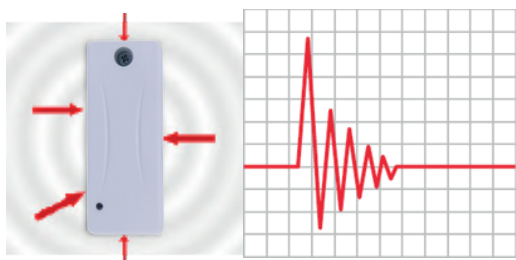


It is a detector for burglar alarm systems and can operate in three different functions. The detector sense Shock, Tilt and Vibration and sends alarm information to the control panel. These three types of detection can be used alone or in combination.

GENERAL FEATURES

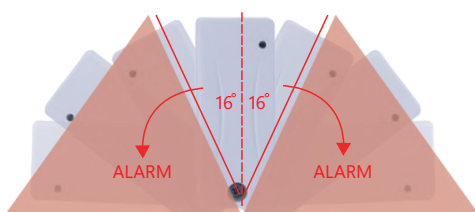
- Electronic G sensor technology
- 0.625mg acceleration sensitivity
- Selectable 3 functions: Shock, Tilt, Vibration (Vibration)
- Function selection by jumper
- Trim pot sensitivity adjustment

Shock: The detector alarms when the object is exposed to sudden shocks.

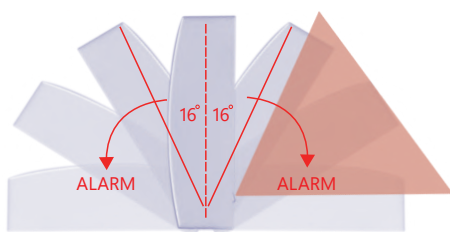


X - Y and Z axis in the impact direction

Tilt (Angle Change): The position of the object to which the detector is connected triggers an alarm when a tilt of 15 ° from any starting position in any direction.



X Axis



Z Axis

Technical Specifications

TVSD-143

Operation Type Shock,Tilt (Angle), Vibration

Sensor Elektronic G Sensor

Electrical

Power 8-15VDC

Standby Consumption 20mA

Alarm Consumption 50mA

Sampling Interval 1000 Times at Second

Acceleration Sensitivity 0,625mg

Alarm Output NC – 30VDC 50mA.

Mechanical

Weight 35gr

Dimension (mm) 36 X 87 X 30 mm

Body Material and Color ABS White

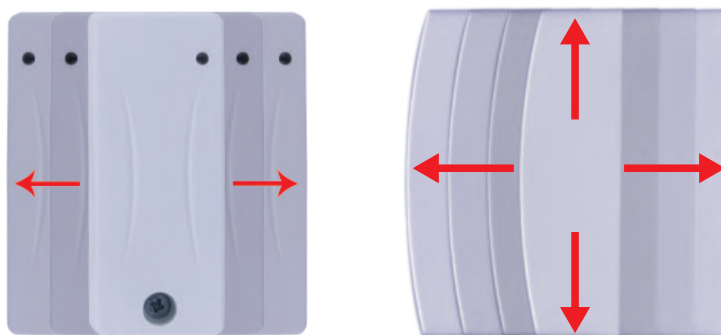
LED Indicator RED: Alarm

Environmental

Operating Temperature -10°C ~ 55°C

Humidity +40°C de 95% RH (max)

Vibration: The position of the object to which the detector is connected triggers an alarm when a tilt of 15 ° from any starting position in any direction.



Vibration X, Y and Z Axis