

# SesMo<sup>tm</sup>

**Seismic, Heat and Light Sensor**

**Protects bank & media safes, strong rooms, ATMs, vending machines, telephones post, cash dispensers**



**Build-In Three Sensors**

ASIC based integrates detector for security and burglar alarm  
 The SesMo is based on Bimorph (seismic) sensor covering 2.5 - 7 meters/square (depends on the applied material).  
 The SesMo Standard is an economical version in ABS case  
 Relay Output & 12V DC power for simple and easy interfacing  
 Three LED's indication for each sensor  
 Simple DIP Eight Switches Array for performance setting:  
 Seismic Sensitivity, Seismic Pulse Count, Enable - Disable for Each Technology & More settings  
 Protected by Tamper Switch detecting cover opening



## Seismic, Heat and Light Sensor

### High Risk Application

The SesMo is one of a kind solution to your high-risk security applications.

The SesMo is suitable to detect the break-in of all types of steel, wood, thin gypsum walls or concrete objects, or for an early warning and alarm warning devices activation (gas & fuel stations, water tanks, etc). In close and dark protected enclosures, the light sensor trig the SesMo before any damage caused (Brener welding).

Any burglary carried out by means of thermal tools such as oxygen lances are reliably detected by the heat sensor.



The SesMo detects all types of attack caused by explosives, diamond bit drills and other mechanical tools. Early alarm enables fast intervention by the security services, thus prevents any major damage to the protected object.

The SesMo is used on all known armored safes, night safes and automatic cash dispensers as well as with all currently known concrete strong rooms.

### Detection Technology

During burglary attempts, where the break-in is affected by drilling or other mechanical tools, mass acceleration generates oscillations in the protected object material.

The seismic sensor detects these borne noises in a tight and reproducible frequency spectrum so that an optimum differentiation made between the material oscillation signals and unwanted environmental interference. The amplified signals transferred through certain filters and analyzers that verifies the signals, if burglary detected the alarm output is trigger.

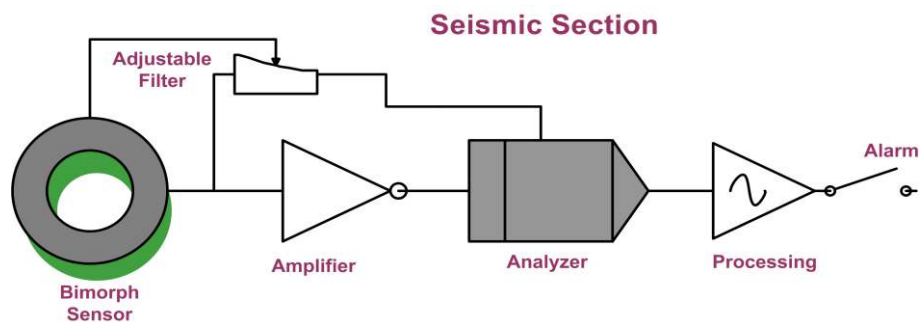
### Ordering details :

SesMo standard, SesMo\_24V (ABS case). Dimensions: 90 X 85 X 50 mm

SesMo PRO (metal case) is designed to meet EN50131 Grade 4. Dimensions: 110 X 95 X 27 mm

SesMo NLH (supplied without light & heat sensors. Requires special order)

SesMo/SesMo NLH IP65 (supplied in IP65 sealed ABS box)



Sensor Block Diagram