

## CASSTEL CO-GUARD/50 High Value Object/Item Protection

### Applications

- Car • Jewellery • Paintings • Safes • High Value Items



CO-GUARD/50 is a universal anti-theft security detector. It is intended for the protection of any type or form of objects or items. It can be applied in buildings, rooms, cars or any objects and groups of objects of different weight. This detector possesses a unique ability to protect objects of different weight (from a coin up to heavy safes and shelves) and at the same time to detect the smallest change of weight or impact in them. The signal-processing unit of the Casstel Object Guard can be connected to about 40 objects or items at the same time.



## Key Benefits

- High sensitivity
- High detection rate: 99 percent
- Very passive
- Resistant to impulses of neutron flux and electromagnetic fields
- Protects up to 40 objects or group of objects in an enclosure
- Resistant to household and industrial electromagnetic, audio and vibration interferences
- Reveals only direct actions on the protected objects
- No harmful effect on people

The-CO-GUARD/50 would detect immediately any attempt to break into any vehicle.



Within seconds the criminal will be accosted

## Applications



The installation of CO-GUARD/50 inside this car gives it a 100 percent protection from break-in or theft.



The CO-GUARD/50 is able to protect a showcase with expensive jewellery such as this, shown above. With the deployment of the CO-GUARD/50, all the items inside the showcase are individually covered. An unauthorised attempt to remove an item or tamper with the showcase, results in alarm signal.

## Technical Characteristics

- Requires very low power supply of between 8-35 volts
- Maximum current consumption is only 1.5mA
- Has a normal closed contact relay output
- Effective temperature range: -50 to +50°C
- Signal processing unit case: hermetic IP-55
- Terminal impedance of the sensitive element: 200 Ohm
- Compatible with any data acquisition and processing system
- Has a built-in remote control for detector efficiency



Priceless items such as high value paintings in museums or homes could be individually secured with the CO-GUARD/50. An intrusion or trespass across the secured zone or any attempt to lift a painting from the wall would result in alarm.

## Operating Principle

The operating principle of the CO-GUARD/50 is based on vibration impact of intrusion received as electrical signals by the processing unit of the system. These signals are sent through the sensitive elements of the piezoelectric sensors when the guarded objects or items are disturbed.

\*Copyright ©2009. All rights reserved. Features and specifications are subject to change by Casstel Technologies without notice.