# VV600-PLUS

## Seismic detector for safe and vault

### Superior detection

The VV 600 Plus series seismic detectors are designed to detect attempts to break into vaults, safes, night deposit boxes, automatic teller machines (ATM's) and other reinforced physical areas such as data storage's and filing cabinets. These seismic detectors react to the characteristic vibration patterns of all breaking-and-entering tools, such as hammers, drills, diamond saws, hydraulic pressure tools and thermal tools like welding torch and thermal lance. They sense vibrations that occur within a 3 to 14 meter radius of where they are mounted, depending on the material and design of the protected object.

### Excellent false alarm immunity

At the same time the seismic detectors allow for normal human activity around the protected area without the risk of creating unwanted alarms. To achieve this high level of accuracy, each detector features "three detectors in one". All three channels (counting, integration, and explosion) analyse the signal frequencies, duration and amplitude, in order to differentiate between random environmental disturbances and real intruder attack. The end result is detectors with excellent detection and false alarm immunity.

### Testing & accessories

The VV 600 Plus series provides two different test functions: automatic or manual activated. You can choose between internal test of the detector electronics or, by using the test transmitter VT705P, do a functional test of the detector and its physical contact to the protected object. A complete range of accessories is provided for all kinds of applications to achieve the highest security.



### Details

- Detects all known methods of attacks
- Advanced signal processing differentiates between ambient noise and real attacks
- Extremely low current draw
- Two options of testing
- Adjustable sensitivity 5 steps of approx. 6 dB each
- Full-scale tamper protection
- Complete line of accessories
- Easy to install
- Test output screw no. 4 for measuring ambient noise level

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## Technical specifications

### General

| | |
|---|---|
| Application type | Safe, Vault |
| Tamper protection | Temperature 84°C, drill shield, opening contact, pry-off contact |
| Alarm indication | LED-indication screw no. 3 |
| Low voltage alarm | 7.5 V |

### Detection

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|---|---|
| Range | 3 to 14 m radius |
| Sensitivity adjustment | DIP switches |

### Inputs/outputs

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|---|---|
| Alarm contact | Form A solid state relay, max series resistance 35 ohm |
| Test output | Yes |

### Electrical

| | |
|---|---|
| Power supply value | 9 to 15 VDC, 2 V pk-pk |
| Current consumption | 8.6 mA (nominal) |

### Physical

| | |
|---|---|
| Physical dimensions | 81 x 101 x 28 mm (W x H x D) |
| Net weight | 380 g |
| Colour | Grey (RAL 7035) |

### Environmental

| | |
|---|---|
| Operating temperature | -20 to +55°C |
| Relative humidity | 0 to 90% noncondensing, 90% at 30°C |
| IP rating | IP30 |

### Regulatory

| | |
|---|---|
| Certification | VdS |

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