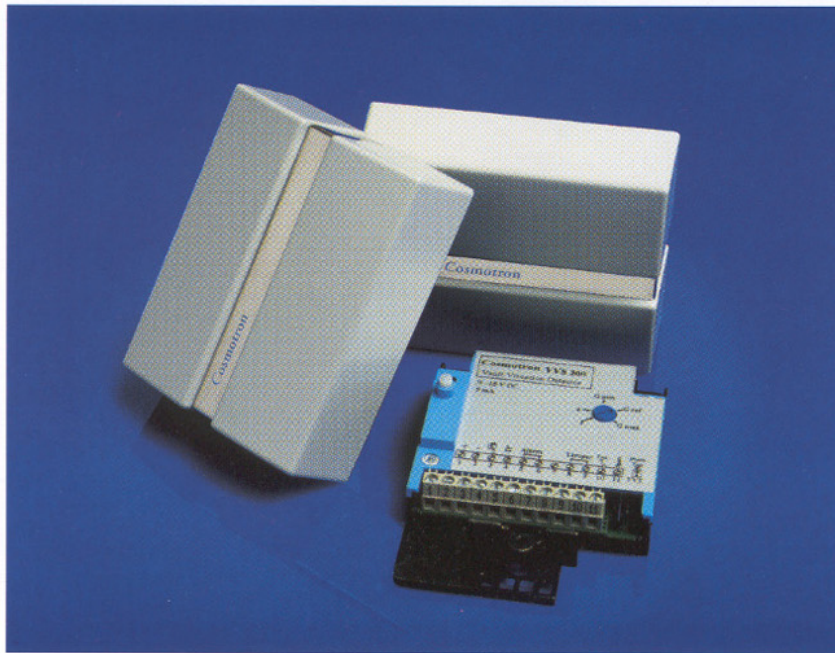


Cosmotron VVS 300

Vault and Safe Vibration Detector

Cosmotron VVS 300 is one of the most used and trusted seismic vibration detectors world-wide.

The Cosmotron VVS 300 is a seismic, or structural vibration detector designed to detect attempts to break into vaults, vault doors, safes, and other reinforced areas such as data storage and filing cabinets.



The **Cosmotron VVS 300** provides intrusion detection for all types of solid structures (free-standing or built-in). It sense vibrations that occur within a 3 to 14 meter (10 to 46 feet) radius of where it is mounted, depending on the material and design of the protected object.

The **Cosmotron VVS 300** detector reacts instantly to all known types of attack, such as sledge hammers, diamond head drills, explosives, hydraulic pressure tools and thermic tools. At the same time, it allows for movement around the protected area without creating unwanted alarms

The **Cosmotron VVS 300** features three detectors in one. Signals are processed by all three detectors that analyze the signal frequencies, duration and amplitude, in order to differentiate between random environmental disturbances and real intruder attack.

A multi point tamper sensing system protects the detector against tampering attempts, such as removing the cover, burning or damaging the unit or trying to pry it off the protected object.

The detector is provided with components to fulfil the new standard regarding electromagnetic compatibility.

Test system

The **Cosmotron VVS 300** is equipped with a test function that is being remotely activated from e.g. the control panel. By different jumper positions you can choose either the internal electronic test of the detector or through the test transmitter **VVT 705** verify a proper function and installation of the vibration detector.



Protects Any Solid Structure

Detects All Known Types of Attack

Remote Test Capability

Advanced Tamper Protection

Adjustable Sensitivity

Surface or Recess Mountable

Complete Line of Accessories

Easy to Install

Cosmotron VVS 300 Vault and Safe Vibration Detector



SPECIFICATIONS

Operating Power:

9-15 VDC, 9mA +/-1mA, maximum ripple is 2 volts peak to peak at 12 volts.

Alarm Output:

Form A solid state relay. Maximum series resistance 35 ohm.

Tamper Output:

A set of normally closed contacts (rated 0.1 A at 28 VDC) opens when a tampering attempt is detected by the multipoint tamper sensing system.

Frequency Range:

6 to 20 kHz

Dimensions, Weight:

Height: 100 mm (3 7/8")
Width: 80 mm (3 1/8")
Depth: 33 mm (1-13/6")
Weight: 390 gr

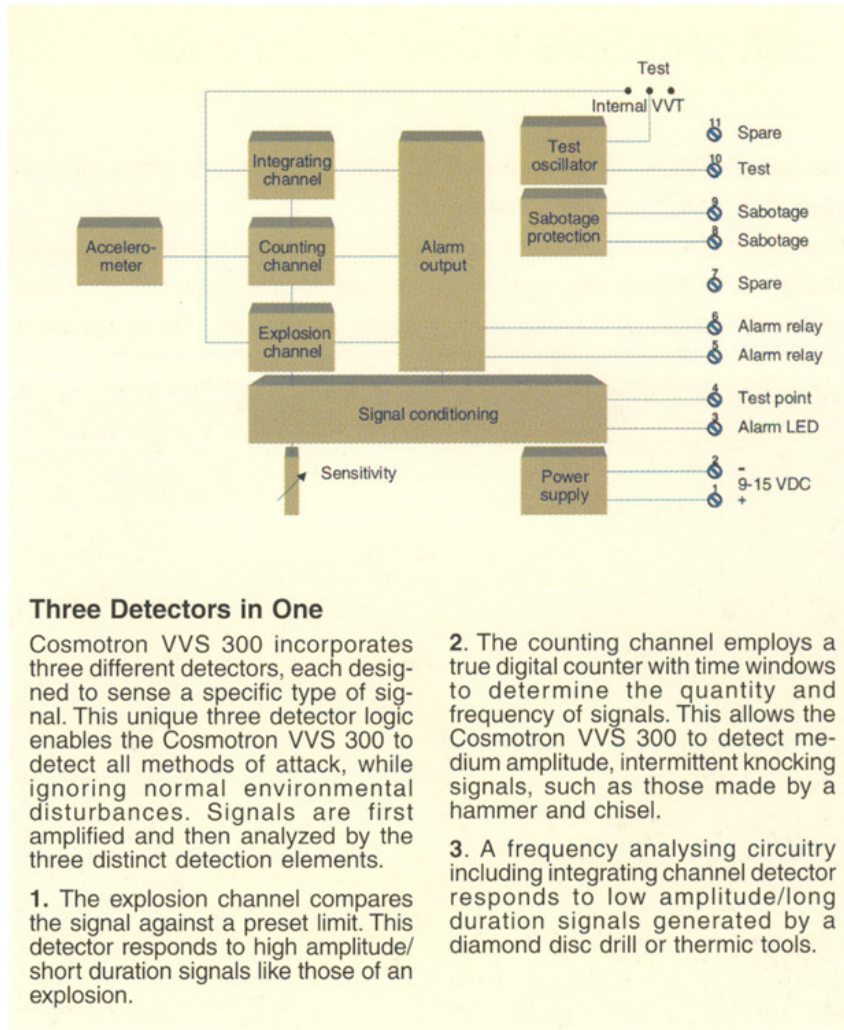
Environmental Limits:

-20° C to +55° C (operational)
90% relative humidity at 30° C.
A sealed model is available for trying conditions.



Cosmotron

Development and manufacturing of electronic security products



Three Detectors in One

Cosmotron VVS 300 incorporates three different detectors, each designed to sense a specific type of signal. This unique three detector logic enables the Cosmotron VVS 300 to detect all methods of attack, while ignoring normal environmental disturbances. Signals are first amplified and then analyzed by the three distinct detection elements.

1. The explosion channel compares the signal against a preset limit. This detector responds to high amplitude/short duration signals like those of an explosion.

2. The counting channel employs a true digital counter with time windows to determine the quantity and frequency of signals. This allows the Cosmotron VVS 300 to detect medium amplitude, intermittent knocking signals, such as those made by a hammer and chisel.

3. A frequency analysing circuitry including integrating channel detector responds to low amplitude/long duration signals generated by a diamond disc drill or thermic tools.

SYSTEM COMPONENTS

Description

Safe and vault vibration detector
Detector for protection of ATM's and Night Deposit Safes
Mounting plate
Recess mount box
Damp resistant mounting box
Steel plate for tack welding
Floor mounting box
Moveable mounting kit
Keyhole protection kit
Spacer for keyhole kit
8 conductor armed cable kit
Tamper resistant metal junction box
Plastic insert for round conduit
Plastic double cable insert
Remote test transmitter. Operates from 12 VDC
Hand held test unit
Safe application test sensor

Product

VVS 300
VVS 302
VVM 300
VVM 302
VVM 303
VVM 304
VVM 310
VVM 351
VVM 352
VVM 353
VVM 354
VVM 355
VVM 306
VVM 307
VVT 705
VVT 310
VVT 311

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