

VD 500

Seismic Detector



Product features:

Approvals: VdS G 114006 Class C, SBSC 13-573 Class 3/4, F&P, FG
Supply voltage: 8 -30VDC
Current draw (standby): 7.5 mA at 12 V / 4.6 mA at 24 V
Current draw (alarm): 8,4 mA at 12 V / 5.1 mA at 24 V
Alarm output: Relay, NC
Contact rating: 35 VDC / 100 mA
Alarm indication: LED (not visible when lid is attached)
Tamper protection / Rating: Yes / 35 VDC / 50mA
Connection: Screw terminals
Housing material: Metal
Colour: Grey
Operating temperature range: -40 - +70°C
Housing protection class: IP 43
Dimensions (L x W x H) mm: 86 x 41 x 23

Product description:

The VD 500 seismic detector provides reliable detection and high immunity to false alarms when mounted on steel or concrete objects such as firearm cabinets, payment terminals, ATMs, safes, concrete walls etc. It detects intrusion attempts with explosives and mechanical tools such as diamond drills, cutting discs, grinding and thermal tools.

The VD 500 includes digital signal processing (DSP) with an advanced detection algorithm. As a result, the detector is high performing with high immunity to external disturbances. The device has 3 separate detection channels: integration channel (detects weak signals), count channel (up to 4 events) and explosion channel (detects strong signals with short duration). The sensitivity and type of object to be protected is selected via a DIP switch.

The detector is small in size and suitable for installation in limited spaces.

When mounting, ensure that the detector is secured firmly to the contact surface. When mounting on concrete and brick walls, the MP 500 mounting plate with anchor bolt should always be used. In severe environments, either indoors or outdoors, the special WH 400 housing with integrated heaters should be used to maintain suitable temperature and humidity for the detector.

The VD 500 seismic detector is equipped with a temperature sensor that triggers an alarm at 75°C or 6°C/min, tamper protection against attempts at breaking or opening the housing as well as a self-test generator with a separate input for testing control.