VD 500

E-NR: 6332503

Seismic Detector

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.

TECHNICAL DETAILS

Approvals	F&P, FG, NBÚ SK Typ 3, VdS G 114006 Class C
Supply voltage	8 – 30 VDC
Alarm output	NC
Operating temperature	-40 – +70°C
Housing protection class	IP 43
Product type	Detectors
Dimensions (L x W x H) mm	86 x 41 x 23
Environment	Indoor

Current draw (standby)	7,5 mA
Current draw (alarm)	8,4 mA
Product group	Shock & Vibration
Product feature	Seismic, Surface-mounted
Application area	
Security certification and approval schemes	F&P, FG, NBU, SBSC, VdS
Security class	4, C
Environmental class	IIIA

ORDER INFORMATION

Model	E-NR	Description
VD 500	6332503	Seismic detector
VD 500-Z1	6332504	Detector set with 1 VD 500, stainless steel flexi-tubeMC T4 and junction box JB 102
VD 500-Z2	6332505	Detector set with 2 VD 500, stainless steel flexi-tubeMC T4, MC T7 and junction box JB 102