

AMT-VD500

Alarmtech VD 500: Grade 3 Seismic Detector

Description

The Alarmtech VD 500 is a high-performance, Grade 3 certified seismic detector engineered to provide reliable intrusion detection and exceptional immunity to false alarms. Designed for critical security applications, it effectively detects attempts to penetrate solid objects using explosives, diamond drills, cutting discs, grinding tools, and thermal tools.

Key Features:

- **Grade 3 Certified:** The Alarmtech VD 500 meets stringent security standards, ensuring high reliability and performance in demanding environments.
- **Advanced Digital Signal Processing (DSP):** Utilises a sophisticated detection algorithm to deliver superior performance and high immunity to external disturbances.
- **Triple Detection Channels:**
 - **Integration Channel:** Detects subtle, weaker signals.
 - **Count Channel:** Monitors for a series of events (up to 4 counts).
 - **Explosion Channel:** Identifies strong, short-duration signals characteristic of explosive attempts.
- **Adjustable Sensitivity:** Sensitivity and object type (e.g., steel, concrete) are easily selected via a DIP switch for optimal performance.
- **Temperature Sensor:** Triggers an alarm if the temperature reaches 75°C or increases at a rate of 6°C/minute, providing early fire detection capability.
- **Tamper Protection:** Equipped with safeguards against attempts to break or open the detector housing.
- **Self-Test Generator:** Includes a separate input for testing and verifying the detector's functionality.
- **Compact Size:** Small dimensions (86 x 41 x 23 mm) allow for installation in confined spaces.
- **Wide Operating Temperature Range:** Functions reliably from -40°C to +70°C.
- **IP43 Housing Protection:** Provides protection against solid objects larger than 1mm and spraying water.
- **Low Current Draw:** Efficient power consumption in both standby (7.5 mA) and alarm (8.4 mA) states.



Product Specifications

Weight	kg
Brand	Alarmtech
Device-type	Seismic Detector
Grading-compliance	Grade 3
Operating-temperature	-40°C to 70°C
Power-requirement	8 - 30 VDC
Protection-rating	IP43