

GM 570 LSN Seismic detector



Security Systems



- Completely protected against electrical influences
- Programmable sensitivity and response time
- Remote controlled reduction of sensitivity
- Pre-alarm memory with visual display
- Integrated test system
- Monitoring the supply voltage

The GM 570 LSN Seismic detector is used to monitor armored safes, vault elements and vault walls.

Functions

The seismic detector is suitable for monitoring armored cabinets, cash boxes, automatic teller machines, night safes, armored safes, and safe vault walls for all known burglary tools such as diamond-tipped drills, hydraulic rams, oxygen lances and explosives.

The GM 570 LSN is fitted with a double housing. This design gives the detector good protection against electromagnetic influences and from deliberate or accidental damage. Mechanical vibrations caused by a burglary attempt are detected and analyzed by the seismic detector sensor, and an alarm is generated.

Temporary reduction in sensitivity

To prevent error alarms caused by loud operational noises, e.g. operation of the object intake mechanism of day/night vaults, the response sensitivity of the detector can be reduced to approx. 1/8 of the pre-set value via a control input (e.g. contact switch on the object intake mechanism).

Notice: When reducing sensitivity, compliance with the pertinent VdS regulations within the context of the system must be checked and accepted by VdS.

Parts Included

Qty.	Components
1	GM 570 LSN Seismic Detector

Certificates and Approvals

VdS approval No.: G 101165, C

Technical Specifications

GM 570 LSN Seismic Detector	
LSN Operating voltage	+12 V (10 V to 33 V)
LSN Current consumption	1.5 mA
Measurement output, terminal 9	Analog integration signal
-Standby level	approx. 0.7 V
-Integration start	2.5 V
-Max. interference level	3.2 V
-Alarm threshold (no load)	4.0 V
Sensitivity reduction input, terminal 10	
-For reduction	LOW $\leq 1.5V$ / HIGH $\geq 3.5V$
-Reduction to	up to 1/8 of the current setting (SW programmable)
Sensitivity adjustable in	6 fixed levels + 1 freely programmable object (SW programmable)
Effective range (concrete and steel)	r=4 m (with default setting)
Effective area (concrete and steel)	50 m
Operating temperature	-20°C...+70 °C (248 °K ... 343 °K)
Humidity: DIN class F	< 95 %
Housing protective system (EN60529, EN50102)	IP 43
VdS environmental class	III
EMC strength 0.01 to 2GHz (IEC801-3)	30 V/m
Housing	
-Material	Metal
-Color	light gray
Weight	Approx. 0.4 kg
Dimensions (W x H x D)	90 x 40 x 90 mm
Floor socket GMXB0	
Dimensions (HxWxD)	
Floor socket GMXB0	150x150x50 mm
-Floor socket with flange	220x150x50 mm
Maximum load	1000 kg
Protective system	IP 50

Ordering Information

GM 570 LSN Seismic Detector 4.998.085.573

Hardware Accessories

GMXS1 test transmitter 2.799.271.277

Surface-mounting plate 2.799.271.262

GMXWO Wall flush mounting kit with cover 2.799.271.263

GMXB0 Floor socket for floor mounting 2.799.271.279

Bosch Security Systems

For more information please visit

www.boschsecuritysystems.com

BOSCH