



GM530

Senstec®

Seismic detector

for object and surface surveillance

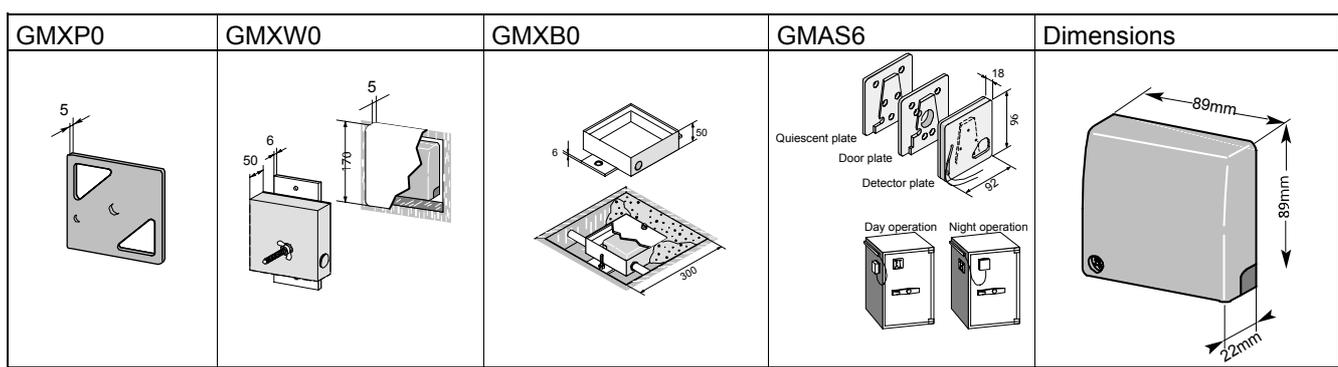
- **Low-profile detector for applications with limited space**
- **Around-the-clock monitoring of safes, night deposits and automatic cash dispenser**
- **SENSTEC® sensor and micro-controller-based signal processing system**
- **Continuous surveillance of sensor and electronic circuit**

Versatile in application. The low-profile design makes it easy to install. Predefined settings allow to be quickly set for all common applications.

Effective. The GM530 reliably recognise attacks on safes, cash dispenser, night deposits and strong rooms, as well as attacks with explosives or attempted entry using modern tools, such as diamond-tipped drills, mechanical and hydraulic pressure tools, flame cutters, thermal-lancers or water jet.

Highly professional. The patented SENSTEC® sensor and digital signal processing evaluates a selected narrow frequency band to ensure reliable detection. This comprehensive protection is immune to environmental influences including air and structure borne noise.

Accessories and dimensions



Technical data

Detection characteristics	
- Operating radius/Coverage area on concrete and steel	
- For all types of tools (including termic tools)	3 m / 28 m ²
- For mechanical tools only	6 m / 113 m ²
Power supply	
- Voltage monitoring	7 ... 16 VDC (12 V nominal) alarm < 6.5 VDC
Power consumption (at 12 VDC)	
- Quiescent / Alarm	3 mA / 3.5 mA
Alarm output	
- Relay (changeover contact)	30 VDC / 100 mA / Ri < 20 Ω
- Open collector	alarm -> 0 V / Ri 1.5 k Ω
- Alarm hold time	approx. 2.5 s
Tamper output	
- Cover contact (opens on tamper)	30 VDC / 100 mA
Test point output	
	analogue integration signal
Function test	
- For test	LOW ≤ 1.5 VDC / HIGH ≥ 4 VDC
- Test duration	≤ 1 s
Adjustments (with dip switch settings)	
- Sensitivity adjustable in	4 levels
- Response time adjustable in	2 levels
- Shock setting adjustable in	3 levels
Environmental conditions	
- Operating temperature	- 20 ... + 60°C
- Storage temperature	- 50 ... + 70°C
- Air humidity (EN 60721)	< 95% rF, non-condensing
- Housing protection (EN 60528, EN 50102)	IP43
- Electromagnetic compatibility (EMC)	better than EN 50130-4
- Tolerance of HF interference	
1 ... 1000 MHz (EN 61000-4-3)	> 15 V/m
- VdS environment class	III

Ordering data

Type	Art. No.	Designation	Weight
GM530	489650	Seismic detector	0.320 kg
GMXP0	277273	Mounting plate	0.270 kg
GMXW0	277121	Wall recess set	1.160 kg
GMXB0	277202	Floor box	2.085 kg
GMAS6	488606	Fixing device	0.400 kg

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