



Senstec®

## GM560

### Seismic detector

for best detection performance and maximum immunity

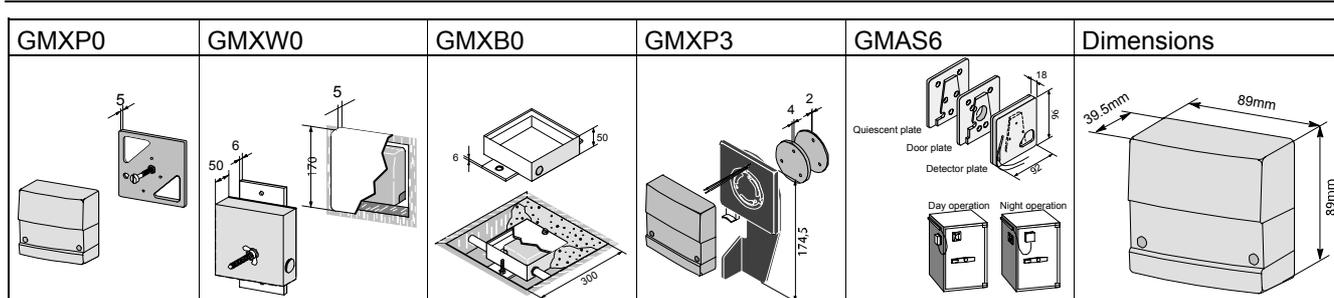
- **One detector for all applications**
- **Around-the-clock monitoring of strong-room walls and doors, safes, night deposits, automatic cash dispenser**
- **SENSTEC® sensor and micro-controller-based signal processing system**
- **Continuous surveillance of sensor and electronic circuit**

**Versatile in application.** The detector construction makes it easy to install. Predefined settings allow GM560 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	4 m / 50 m <sup>2</sup>
- For all types of tools (including termic tools)	7 m / 154 m <sup>2</sup>
- For mechanical tools only	7 m / 154 m <sup>2</sup>
Power supply	
- Voltage monitoring	alarm < 6.5 VDC
Power consumption (at 12 VDC)	
- Quiescent / Alarm	3 mA / 5 mA
Alarm output	
- Relay (changeover contact)	30 VDC / 100 mA / Ri < 20 Ω
- Open collector	alarm -> 0 V / Ri 1 k Ω
- Alarm hold time	ca. 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 with GMXS1	≤ 1 s
Remote sensitivity reduction input	
- For reduction	LOW ≤ 1.5 VDC
- With GMXS1	1/5 of the actual setting
Adjustments (with dip switch settings)	
- Sensitivity adjustable in	6 levels
- Response time adjustable in	2 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	> 15 V/m
1 ... 1000 MHz (EN 61000-4-3)	
- VdS environment class	III

## Ordering Data

Type	Art. No.	Designation	Weight
GM560	473860	Seismic detector	0.395 kg
GMXS1	420237	Test transmitter	0.020 kg
GMXP0	277273	Mounting plate	0.270 kg
GMXW0	277121	Wall recessed w/cover	1.160 kg
GMXB0	277202	Floor box	2.085 kg
GMXP3	347019	Swivel plate	0.525 kg
GMAS6	488606	Fixing device	0.400 kg

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