



## GM565

Senstec®

### Seismic detector

for best detection performance and maximum immunity

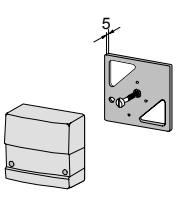
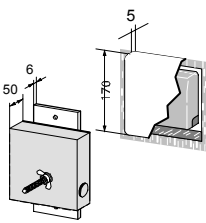
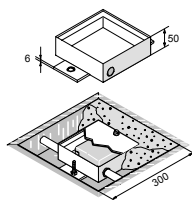
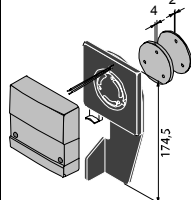
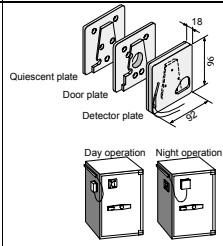
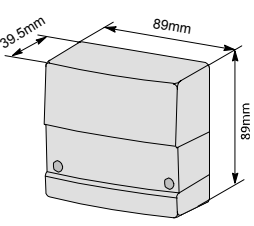
- **One detector for all applications**
- **Around-the-clock monitoring of strong-room-walls and doors, safes, night deposits, automatic cash dispenser, etc.**
- **SENSTEC® sensor and micro-controller-based signal processing system**
- **Continuous surveillance of sensor and electronic circuit**

**Versatile in application.** The detector construction makes it easy to install. Predefined settings allow GM565 to be quickly set for all common applications.

**Effective.** Reliable recognition of attack is ensured on safes, cash dispenser, night deposits, strong rooms and modular vaults made of steel, concrete and armoured or synthetic composites, 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

| GMXP0   | GMXW0   | GMXB0   | GMXP3   | GMAS6  | 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                                   | 7 ... 16 VDC (12 V nom.)       |
| – 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                |
| – Temperature protection                               | 98°C                           |
| – Anti-drilling shield                                 | built-in                       |
| Test point output                                      |                                |
| Signal indicators                                      | analogue integration signal    |
| LEDs   |                                |
| Function test input                                    |                                |
| – for test   | LOW ≤ 1.5 VDC / HIGH ≥ 3.5 VDC |
| – test duration  | ≤ 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 adjustment                               | 6 levels                       |
| – Response time adjustment                             | 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                         |                                |
| 1 ... 2000 MHz (EN 61000-4-3)                          | > 15 V/m                       |
| – VdS environment class                                | III                            |

## Ordering Data

| Type  | Art. No. | Designation         | Weight   |
|-------|----------|---------------------|----------|
| GM565 | 473365   | Seismic detector    | 0.320 kg |
| GMXS1 | 420237   | Test transmitter    | 0.020 kg |
| GMXP0 | 277273   | Mounting plate      | 0.270 kg |
| GMXW0 | 277121   | Wall recess w/cover | 1.160 kg |

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