

# ShockTec™ Plus Digital Shock Detector

## Description

ShockTec 601SMG3 is a digital shock detector with magnetic contact for internal use that provides reliable 24-hour perimeter protection. A break-in is detected as soon as the intruder attempts to force smash, drill or even saw through the protected window, door, wall or roof. ShockTec employs an advanced digital microprocessor to analyze the vibration signal received from the piezo electric sensor.

A unique feature of ShockTec 601SMG3 is digital sampling of the signal simultaneously in two separate channels, each channel amplified at a different gain. This provides an extremely wide dynamic range of the sampled signal , enabling precise measurement and analysis of the shock signal.

## Product Specification

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| Supply voltage | 9V-16V DC |
| Current consumption (typical) | 7.5mA |
| Operational temperature | -20°C to 60°C |
| Maximum humidity | 95% non-condensing |
| Sensitivity setting | Dual stage potentiometer |
| Tri-color LED indicator | Orange-over-sensitive, green: alarm & correct calibration, red: under-sensitive |
| Alarm relay | 100mA at 24VDC, NC, Opto relay |
| Tamper Relay | 500mA at 24VDC, NC |
| Reed relay | 500mA at 24VDC, NC |
| Time relay open in alarm | 2.5 seconds |
| Latching modes | Any 1st to latch operation modes |
| Max. no. of units on Any Latch loop | 80 |
| Max. no. of units on 1st to Latch loop | 10 |
| False alarm protection | Digital microprocessor signal processing and noise reduction circuits with maximum ground plane |
| Electrostatic discharge | No false alarms up to 8kV |
| Enclosure material | Flame retardant ABS |
| Enclosure dimensions | 25x28x95mm - detector |