



From Tyco Security Products

## SD-304 PG2

### PowerG Wireless Shock and Contact Detector with Wired Input

with  
**PowerG**  
Technology

#### Features that Make a Difference:

- Early detection of gross attacks or low-level shocks
- High immunity to background vibrations which can cause false alarms
- Quick and easy installation using unique 7-segment shock meter and pushbuttons
- Uses revolutionary PowerG wireless technology to deliver outstanding reliability, robustness and efficiency
- Optional Grade 2 magnetic contact activates an alarm in the presence of an external magnetic field
- Optional auxiliary input to connect wired detectors, pushbuttons or other detection devices
- Prolonged battery life of up to 5 years (for typical use) with all sensors enabled



#### Protects Windows, Doors, Walls and Roofs Against Forced Entry

The innovative SD-304 PG2 wireless shock detector provides perimeter protection for residential and commercial premises. It provides early warning of an attempted intrusion by sensing forced entry before a burglar actually enters the property. This potentially reduces the damage and losses to a property as a result of a break in and provides home and business owners with enhanced security. The SD-304 PG2 fits most windows and doors including those made from wood, metal and PVC. It can also be used on walls and roofs.

The detector's advanced digital processing uses a piezo shock sensor to precisely detect and analyze gross attacks or a series of low-level shocks while ignoring background vibrations, a major cause of false alarms.

The SD-304 PG2 detector includes an optional Grade 2 magnetic contact and auxiliary input. As a three-in-one wireless detector, the SD-304 PG2 detector saves the cost and time of additional detectors while providing exceptional performance in varied applications.

## Advanced Detection Technologies

- Reliable perimeter protection against forced entry** – A sophisticated microprocessor uses advanced algorithms to process and analyze the data coming from a piezo-electric sensor. The detector activates an alarm for any intrusion attempt - whether it is a gross attack or a series of low level shocks. Equally important, the detector accurately differentiates between real intrusion attempts and background vibrations.
- Ideal for a wide variety of applications** – The SD-304 PG2 detector is perfect for residential and commercial premises and fits windows, doors, walls and roof installations.
- Instant, precise setup** – The SD-304 PG2 detector integrates a unique, 7-segment module that allows the installer to set the shock level and displays the actual shock level while testing. This enables fast and accurate setup of the device to ensure superior detection and reduced false alarms.
- Triple protection in one** – The SD-304 PG2 detector includes an optional integrated auxiliary input and an optional magnetic contact. The magnetic contact protects door/window openings and alerts if an intruder tries to mask the magnetic field of the contact. Additional wired detectors and devices can be connected to the auxiliary input.
- Advanced magnetic anti-masking** – The SD-304 PG2 detector activates alerts upon any attempt to mask the magnetic contact sensor.
- Frequency hopping** – Able to hop between frequency bands, the SD-304 PG2 detector is resistant to almost any radio frequency interference. It also enables long distance communication with the panel even in harsh security environments.
- Built-in, RF link status LED** – The RF link quality is clearly displayed with a built-in LED. It is possible to select the optimal installation location without having to physically approach the control panel.
- Remote maintenance** – The SD-304 PG2 detector can be configured and tested from the panel or from a central monitoring station, enabling remote adjustments of the shock level, diagnostics and the changing of other parameters.
- Prolonged battery life** – Based on PowerG technology, the SD-304 PG2 detector can operate on a single battery for up to five years.
- Streamlined, stylish design** – Small size and sleek design enable the SD-304 PG2 detector to blend into most decors.

## Specifications

Frequency band (MHz) .....	Europe and rest of world: 433-434, 868-869 USA: 912-919
Communication protocol .....	PowerG
Alarm input .....	One auxiliary
Tamper .....	Front and back
Battery type. ....	3V Lithium CR-123A type battery, Panasonic, Sanyo or GP only
Battery life expectancy .....	5 years (with typical use) with all sensors enabled
Shock detection radius...	Window ..... 4m (13ft) Wood.....3.5m (11.5ft) Brick/concrete walls .. 2.5m (8m)
Operating temperature . . .	-10°C to 55°C (14°F to 131°F)
Storage temperature . . . . .	-20°C to 60°C (-4°F to 140°F)
Humidity .....	Average relative humidity of approximately 75% non-condensing. For 30 days per year relative humidity may vary between 85% and 95% non-condensing
Auxiliary input cable length . . . . .	10m (32.8ft) max.
Auxiliary input EOL resistor.....	2.2 KΩ
Dimensions (LxWxD) . . . . .	118 x 27 x 30mm (4-5/8 x 1-1/8 x 1-3/16in.)
Weight (including battery) .....	130g (4.6oz)

## Approvals

Compliant to EN-50131 Grade 2, EN 50131-2-6, EN-50131-2-8 and PD6662:2010



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