

SA-20

Wireless Vibration Detector



Rosslare's SA-20 is a sophisticated high-performance indoor wireless pre-intruder detector, ideal for residential, commercial and institutional applications. Put it where you need it, not just where it's convenient to run wires. Encased in a compact elegantly designed shell, this state-of-the-art vibration detector combines magnetic, vibration, and movement sensors for a high level of security.

With the SA-20, intrusion detection is completely wire free. This battery-powered unit packs advanced features such as a special algorithm to monitor the area at all times, false alarm immunity, Walk Test reporting, tamper-event reporting, and low battery check.

GENERAL DESCRIPTION

The SA-20 Wireless Vibration Detector is an indispensable component in any security system. The heart of SA-20 is a ceramic piezoelectric element ball actuator motion, featuring advanced low noise components and microprocessor for superior sound spectrum, Power Save Mode (PSM) for low battery consumption, ultra-bright LEDs, back and cover tamper detection, low battery alert, and periodical supervision.

The SA-20 uses a special algorithm to monitor the area at all times, while preventing false alarms and random events. By performing self-calibration, the SA-20 guarantees reliable and precise operation, while rejecting common false alarm sounds. Crafted from rugged flame resistant ABS material, this detector is easy to install and enroll onto one of Rosslare's wireless security and automation panels or universal receivers.

MAIN FEATURES

- Special integrator algorithm monitors the area at all times and seeks specific patterns

- Three types of sensors: vibration, movement and magnetic
- Self-calibration mechanism
- Available in 433.92 MHz or 868.35 MHz
- Three interchangeable sensitivity levels
- 3 V 1000 mAH lithium battery powered, for up to three years of battery life
- Static and dynamic battery saving modes
- Compact and inconspicuous elegant design
- Completely wire free for easy installation

PROFESSIONAL GRADE FEATURES

- Periodical RF path testing
- Ultra-bright LED indication for alarm, calibration trouble, low battery status
- Three interchangeable alarm modes
- Walk and Radio Tests
- Low battery level detection

SPECIFICATIONS

TECHNICAL SPECIFICATIONS

■ Battery Type	CR2477; 3 V, 1000 mAh
■ Input Current	Standby 20 µA; maximum 14 mA
■ Battery Life Expectancy	3 years (typical usage)
■ RF Frequency	Model H = 868.35 MHz; model G = 433.92 MHz
■ Signaling Events	Alarm, tamper, calibration, trouble, battery
■ Sensors	Vibration – Ceramic piezoelectric element Movement – Non-position ball actuator motion Magnetic – Reed switch
■ Sensitivity (max.)	Vibration –10 to 50 gram force (300 to 3000 Hz) (depends on the distance and surface material) Movement – 0.0003 g (average) Magnetic – Operates up to 3 cm
■ Sensitivity levels	Low, medium and high
■ Alarms	Vibration only; movement only; vibration or movement; magnetic (enable/disable)
■ Arming Types	Normal – 2 minutes following last alarm Dynamic – 2 minutes following last movement (retriggered)

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Indoor use
■ Operating Temperature Range	-10°C to 60°C (14°F to 140°F)
■ Operating Humidity Range	0% to 95% (non-condensing)
■ RFI Protection	>20 V/m up to 1000 MHz

PHYSICAL SPECIFICATIONS

■ Dimensions	35 x 110 x 28 mm (1.4 x 4.3 x 1.1 in.)
■ Weight	48 g (1.7 oz)

SYSTEM COMPATIBILITY

The SA-20 Wireless vibration sensor is compatible with Rosslare's HomeLogiX™ intrusion panels

PRODUCT WARRANTY

2-Year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. Our expansive product range features much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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