SA-02

Supervised Wireless Magnetic Contact Sensor

Rosslare's SA-02 sensor is one of a powerful line of high performance wireless intrusion products, ideal for residential, commercial, and institutional applications. Encased in a small, elegantly designed shell, the SA-02 sensor can be conveniently placed anywhere without the need for invasive or permanent installation techniques.

It packs advanced features such as state-of-the-art RF supervisory signaling, an extended battery life of up to three years with normal usage, ultra-bright LED indication, cover and back tamper detection, and ultra-low current consumption. The SA-02 sensor is compatible with a variety of Rosslare's receivers and panels in 433.92 or 868.35 MHz frequencies.

GENERAL DESCRIPTION

The attractive and unassuming SA-02 sensor is a high-quality product that is simple to install and even simpler to use. While developed for door and window security, this versatile unit can be used for any application requiring a magnetic sensor solution. The SA-02's many features include a local magnetic sensor, a LED indicator, Smart Power Save (SPS) technology to maximize the unit's battery life, an RF supervisory signal, cover and back tamper detection, and automatic low battery detection.

The SA-02 uses a widely available lithium 1300 mAh high-power battery and is compatible with Rosslare Security products from related series (H-Series: 868 MHz, G-Series: 433 MHz).

MAIN FEATURES

- Microprocessor and SMT designed electronics for high quality and superior performance
- 3V, 1300 mAH lithium battery lasts for over three years at normal use (low battery warning transmitted to panel)
- Transmission LED indicator

- External sensor terminal contacts
- Operates in an open field range of up to 150 meters (450 feet)
- Modern, attractive design with small footprint, constructed with internal antenna to prevent tamper
- Mounts directly fit onto a flat surface
- Compatible with Rosslare Security products from related series (H-Series: 868.35 MHz; G-Series: 433.92 MHz)

PROFESSIONAL GRADE FEATURES

- Case tamper detection, and optionally-enabled back tamper detection
- Excellent RF performance, AM/ASK in frequencies for Europe and USA
- Internal antenna to prevent tamper
- Fully-supervised (20 minutes from last transmission) for low battery, tamper and supervisor

ROSSLARE
SECURITY PRODUCTS

SPECIFICATIONS

TECHNICAL SPECIFICATIONS

▪	Battery	CR123
▪	Battery Voltage and Capacity	3V 1400 mAh (low battery signal when V = 2.5 V)
▪	Input Current	Standby: 3 to 8 uA Transmit: 5 mA
▪	Battery Life Expectancy	Three years (typical usage)
▪	Alert Signal	Lights for 3 seconds for alarm condition (LED disable option via jumper)
▪	RF Frequency	433.92 MHz (G-series), 868.35 MHz (H-series)
▪	Magnet Type	Standard magnet with plastic housing and wall space: adjustable height
▪	Detect Range	Unit can detect magnet up to 2-cm away
▪	Alarm Condition	Triggers the alarm relay for three seconds
▪	Tamper	Cover and wall tamper (wall selectable by jumper)

ENVIRONMENTAL SPECIFICATIONS

▪	Operating Environment	Indoor use
▪	Operating Temperature	-20°C to 50°C (-4°F to 122°F)
▪	Operating Humidity	0% to 95% (non-condensing)
▪	RFI Protection	>20 V/m up to 1000 MHz

PHYSICAL SPECIFICATIONS

▪	Dimensions (H x W x D)	87 x 35 x 25 mm (3.5 x 1.38 x 1.00 in)
▪	Weight	37 g (1.30 oz)

SYSTEM COMPATIBILITY	The SA-02 Wireless Sensor is compatible with Rosslare's wireless control panels and accessories, including: HomeLogiX™, SP-03V2, voice communicators, sirens, sensors and remote controls.
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.

www.rosslaresecurity.com

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