

## SA-29

### Single Layer Wireless RF Repeater

Rosslare's SA-29 Single Layer Wireless RF Repeater is one of a sophisticated line of high performance wireless products, ideal for residential, commercial and institutional applications. It seamlessly extends the range and boosts the performance of an RF device located too far from a control unit. The miniature-sized SA-29 packs advanced features such as Single Level Coverage (SLC) technology, rechargeable battery backup with 24 hours of backup power, built-in antennas, and cover and back tamper detection.

The easy to install SA-29 is the perfect cost effective solution for RF range extension needs.

### General Description

The highly sophisticated SA-29 Single Layer Wireless Repeater is capable of relaying RF signals to and from panels, sensors, and remote controls for extended range applications. This state-of-the-art repeater extends the reach of Rosslare's wireless sensors and remote by up to 150 m (450 ft).

The SA-29 Single Layer Wireless Repeater features a built-in rechargeable lithium battery backup that provides 24 hours of battery backup on a single 12 hour charge, terminal blocks for external power supply, front LED indication, cover and back tampers, and an RF supervisor signal.

No programming is required for the system. Simply enroll the SA-29 into a dedicated zone of the control panel to take advantage of the supervision protection.



### Main Features

- 12 Volt DC input from the AC/DC adaptor primary power source
- Built-in rechargeable 1800 mAh backup battery charger for 24 hours of battery backup on a single 12-hour charge
- Multi-programmable microprocessor nanowatt technology electronics for superior efficient power consumption management
- No programming necessary
- Ultra-bright front LED indication
- Mountable housing includes two internal tuned antennas

### PROFESSIONAL GRADE FEATURES

- Fully supervised; updates the panel of status every 20 minutes, including Low Battery Event and Tamper Event
- Jumper selectable cover and back tamper detection
- Contains a high technology RF system interface for random time and system flags for anti-ping-pong to prevent RF system errors
- Compatible with a wide range of the Rosslare family of wireless sensors, panels and universal receivers

# SA-29 Single Layer Wireless RF Repeater



## Product Specifications

| ELECTRICAL SPECIFICATIONS    |   |
|------------------------------|---|
| • Primary power supply:      | +12V DC (+) linear regulated with (-) GND wired (two terminal blocks)   |
| • Backup power supply:       | Power supply from an 1800 mAh backup lithium battery provides 24 hours of battery backup from a single 12-hour charge |
| • Input current:             | Standby 20 uA; transmit 25 mA; duty cycle 0.01%   |
| • Receiving sensitivity:     | -111 dBm  |
| • Transmission output power: | SA-29 H 868.35 MHz up to 10 mW (For Europe)   |
| • Tamper:                    | Cover and back  |
| • Supervisory signal:        | Tamper, battery and event activation (every 20 minutes)   |
| • Alert signaling:           | Front LED indicator   |
| ENVIRONMENTAL SPECIFICATIONS |   |
| • Operating temperature:     | -5°C to 50°C (23°F to 122°F)  |
| • Operating humidity:        | 0% to 95% (non-condensing)  |
| PHYSICAL CHARACTERISTICS     |   |
| • Dimensions (H x W x D):    | 98 x 50 x 29 mm (4 x 2 x 1 in)  |
| • Weight:                    | 46 g (1.6 oz.)  |

## System Components

The SA-29 single layer wireless RF repeater is compatible with a variety of Rosslare's Wireless Intrusion products such as SP-03, HomeLogix, wireless receivers, remote controls, and sensors.



## Additional Information

The SA-29 is a high-quality electronic product developed and manufactured under ISO9001:2000. It is covered by the RSP 2-year Limited Product Warranty.

Please visit our website for documentation or Sales information: <http://www.rosslaresecurity.com/>



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5501-0010371-00  
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