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# SA-03

## 3-Button Remote Control Transmitter



**CE 0678** 

INSTALLATION INSTRUCTIONS  
AND IMPORTANT INFORMATION

**ROSSLARE**  
SECURITY PRODUCTS

P/N: 9J-REL-001/0706-0670001-00

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### INTRODUCTION (FAQ's)

**Q:** What is a Transmitter ?  
**A:** A transmitter is an electronic device that uses RF energy and coded digital messages to control and communicate commands to other electronic products.

**Q:** What is SA-03 WIRELESS REMOTE and how can it benefit me ?  
**A:** SA-03 allows the user ARM and DISARM a Security Panel, Access Control Reader, or even turn on and off the lights and appliances using a Universal Receiver by the use of RF signal.

**Q:** What is SUPERVISOR or SUPERVISED sensor ?  
**A:** A Supervised sensor continuously reports to the receiver or security panel to confirm status of the sensor and its presence. If the receiver fails to hear from a sensor within a pre-programmed time, it will presume a sensor is missing or malfunctioning and notify the user. This provides added security.

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### INTRODUCTION (FAQ's) - continued:

**Q:** What is LOW BATTERY detection ?  
**A:** For all supervised sensors, LOW BATTERY detection is when a sensor continuously measures its battery state and transmits a low battery signal to the security panel when the battery's voltage drops below a certain level. This alerts the user in advance to replace a weak battery.

**Q:** What is a CASE TAMPER detector?  
**A:** A Case Tamper detector monitors any unauthorized opening of the unit housing. A signal will be transmitted to the security panel to notify the user of such tampering.

**Q:** What is a BACK TAMPER detector ?  
**A:** Once the sensor is mounted and activated, the Back Tamper detector ensures that the sensor is not removed or vandalized by detecting any removal of the unit from a wall or corner. The Back tamper detector will alert the security panel in such cases.

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### GENERAL DESCRIPTION

The SA-03 is a miniature radio transmitter, designed to send coded RF transmissions to wireless receivers and control panels. The transmissions are activated by depressing one of the three pushbuttons on the unit.

The SA-03 can control up to 4 functions when used with Rosslare's Wireless Security Control Panels or Universal RF Receivers. The SA-03 is a battery operated wireless device using a standard 12 Volt Alkaline battery. An LED (Light Emitting Diode) lights during the transmission of the RF signal. Which lights when the battery voltage exceeds 8 VDC. If the LED does not light during the transmission, the battery must be replaced immediately.

SA-03 is a high quality wireless sensor packed with intelligent wireless and system features such as compatibility with RF Repeaters. Inside the SA-03 is a state of the art microprocessor, with ASK RF transmitter technology, and is encoded with 16 million factory programmed non-recurring ID codes ensuring that multiple units can be used on a single system.

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### OPERATION - GENERAL NOTES

The SA-03 remote control is activated by pressing the buttons on the unit and transmits this information to the receiver panel.

Since the SA-03 is a portable wireless device and system reception is dependent upon the conditions of use as follows:

- AVOID: Placing the SA-03 near strong magnetic or electrical fields other than the magnet with which it is intended to be used. Otherwise, performance could be affected and false alarms could occur.
- AVOID: Using near or behind large metal surfaces and multiple concrete/steel walls. This may interfere or block the wireless signals. Make sure to test the range from the desired location by using the RF Test Procedure to ensure reception.
- IMPORTANT NOTE: When the battery power has been depleted, as indicated by a very dim LED, replace the battery immediately.

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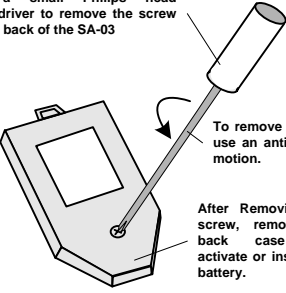
### STEP-1 BATTERY INSTALLATION (Fig1.2)

Use only the specified 12 Volt Alkaline Battery. (Duracell MN-21 or Golden Power GP-23A)

- 1) Unscrew the case locking screw and remove the back cover (FIG 1).
- 2) For a new unit, simply remove the plastic strip contact breaker. For replacement, remove the battery by using a small screwdriver (FIG 2).  
**CAUTION:** Notice the polarity of the battery (+) and (-) must coincide with the markings (+) and (-) on the plastic and the PCB. Check that the battery is held securely.
- 3) Dispose of the old battery properly. Do not incinerate, heat, disassemble, recharge.
- 4) To test, press the buttons on the remote control and see if there is a transmission. The LED will light to indicate an RF transmission (FIG 3).
- 5) Close the front cover, by engaging the ridges of the top case and bottom case near the keychain eye hole, align and gently press together both covers and replace the locking screw.

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Use a small Philips head screwdriver to remove the screw on the back of the SA-03



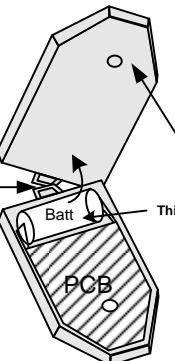
To remove the screw use an anticlockwise motion.

After Removing the screw, remove the back case and activate or install the battery.

**FIG 1: Back of the SA-03 Housing**

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To close the housing, carefully Engage the top and bottom case by hooking the keychain hole together. Slowly bring the top case and bottom case together.



After Removing the screw, remove the back case and activate or install the battery.

This is the 12 Volt Battery


**FIG 2: Replacing the 12 Volt Battery**

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### STEP-2 TESTING THE TRANSMISSION

After activating or replacing the battery in the SA-03, test the transmitter by pressing each one of the three buttons to see if there is a transmission.

**LED Function:** LED will flash when the SA-03 is transmitting



**Function:** Disarm Button for the Security Panels or Single Channel Transmitter

**Function:** ARM Button for the Security Panels or Single Channel Transmitter

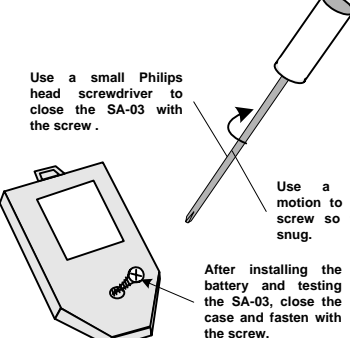
**Function:** Emergency Panic Button for the Security Panels or Single Channel Transmitter

When pushing one of the transmit buttons, the LED will flash to indicate a transmission.

**FIG 3: Testing the Buttons**

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Use a small Philips head screwdriver to close the SA-03 with the screw.



Use a clockwise motion to close the screw so that it is snug.

After installing the battery and testing the SA-03, close the case and fasten with the screw.

**Fig 4: Back of the SA-03 Cover**

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### Step 3: ENROLLING TO A RECEIVER

The SA-03 in 433.92 or 868.35 MHz frequency is compatible with a variety of Rosslare's security panels, universal receiver controls, and system components.

SP-06 V Wireless Security Control Panel,  
 SA-22 Dual Channel Receiver,  
 SA-38 Channel Receiver,  
 AY-L23 Wireless Receiving Wiegand 26, Reader

SA-29 Wireless Repeater with UPS - System Level and others...

For an updated list please contact your distributor, dealer or agent.

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The installation procedure for using the SA-03 remote control varies from product to product.

Full instructions are printed within the installation manual each of the receiver panels or controls.

For this instruction manual, the instructions cover only the SP-06 V Wireless Security Control Panel in 433.92 or 868.35 MHz;

The following pages show the simplified enrollment procedures for enrolling SA-03 transmitters to Rosslare's SP-06 V panel. For full details about the Wireless Control Panel, please refer to the SP-06 V Installation and Programming Manual.

**12** www.rosslaresecurity.com

**Step 4: INSTALLING TO THE SP-06 V WIRELESS SECURITY CONTROL PANEL**

The SA-03 in 433.92 or 868.35 MHz, is compatible with receivers from Rosslare, including the SP-06 V wireless security control panel. This is a short enrolling tutorial for the SP-06 V Panel.

The SA-03 can be installed by enrollment to ZONE 8 of the SP-06V Panel. Zone 8 can accommodate up to 8 (eight) handheld Remote controls or RF keyboard transmitters.

SA-03 Remote Control enrolls to any one of the eight addresses in Zone 8 of the SP-06V Wireless Security control panel.

When installed onto the SP-06 V panel, the SA-03 will have one ARM/ PARTIAL ARM, one DISARM and one PANIC button, active for 24 hours from any mode of the SP-06V.

**14** www.rosslaresecurity.com

**Enrolling the SA-03 to zone 8 of SP-06 V:**

1) Using the installer pass code (8888) by pressing the MENU button and entering the code on the keyboard, enter the Installer Menu.

You will then enter the installer programming menu for the SP-06 V control panel

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2) In the INSTALLER MENU, press the down arrow to select the ZONE menu and press Enter

3) In the ZONE menu, when prompted for the zone number, press the number 8 to select Zone 8.

**16** www.rosslaresecurity.com

4) To program operation of the Panic Button Use the down arrow to select SET ZONE option and Press Enter.

5) Press the SET key until the zone type shows "PANIC", for an audible emergency alarm, to enable the SA-03 to perform a non audible alarm, scroll to "SILENT PANIC". Press ENTER to enable your selection of either PANIC to sound or not to sound an ALARM at the panel, if the alarm is transmitted from the SA-03 Remote Control.

**17** www.rosslaresecurity.com

6) Within the zone 8 menu, use the arrow key to select ADD RF and press enter, use the arrow key to select the desired available slots from 8.1 to 8.8, and press ENTER.

7) When Prompted for RADIO, press any pushbuttons on the SA-03 to transmit,

Press: DISARM Button or any other button to generate an RF transmission to enroll the SA-03 to the Control Panel.

**18** www.rosslaresecurity.com

8) When the control panel receives the coded signal from the SP-03 V there will be a beep and an indication to press enter on the LCD. Press the ENTER button on the panel's keyboard.

9) Once the SA-03 is enrolled onto the SP-06 V control panel, the remote control may be used to perform 4 Functions, such as ARMING (Full Away Arming all Zones), PARTIAL ARMING (Part Zones Arming for Stay), DISARMING, and EMERGENCY PANIC.

**LED Function:** LED will flash when the SA-03 is transmitting

**Function:** ARM (Short Press) PARTIAL ARM (Long Press) DISARM (Short Press) PANIC (2 second Press)

**19** www.rosslaresecurity.com

**STANDARDS COMPLIANCE**

**! Warning !**  
Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Rosslare Enterprises Ltd.) could void the user's authority to operate the equipment.

European Standards Compliance:  
Meets the requirements of the Harmonized European Standards for CE Mark.

ETS 301 459  
ETS 300 220

**20** www.rosslaresecurity.com

**MISCELLANEOUS COMMENTS**

Our wireless systems are very reliable and are tested to high standards. However, due to their low transmitting power (required by international standards limitations) there may be some limitations to be considered:

- A. Receivers may be blocked by radio signals occurring on or near their operating frequencies, regardless of the ID.
- B. A receiver can respond to one transmitted signal at a time
- C. Wireless equipment should be tested regularly (At least once a week) to determine if there are sources of interference and protect against faults.

**21** www.rosslaresecurity.com

**SA-03 SPECIFICATIONS**

**Battery:** 12-Volt Alkaline Battery / Use only the specified 12 Volt Alkaline Battery. (Duracell MN-21 or Golden Power GP-23A) or equivalent.

**Operating Temp:** -10°C to +50°C (14°F to +122°F)

**Operating Humidity:** Up to 95% Non-Condensing (max.)

**Alarm Transmit:** 500 ms (milliseconds)

**RF Frequency:** Available in 433.92 or 868.35 MHz

**Usage:** Carried in pocket, worn as a pendant, for indoor (dry) use only.

**Tamper:** The SA-03 has no tamper transmission.

**Supervisor:** The SA-03 is not a supervised transmitter.

**Current:** Standby - 0 A  
Transmit - 17 mA

**Size:** 76mm (h) x 37mm (w) x 14.5 mm (d) (3" x 1.5" x 0.57")

**Weight:** 28.2 grams including battery.

**Color:** White

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**WARRANTY**

Rosslare Enterprises Ltd. And/or its subsidiaries and its affiliates ("the Manufacturer") warrants its products hereinafter referred to "the Product" or "Products" to be in conformance with its own plans and specifications and to be free of defects in materials and workmanship under the normal use and service for a period of twelve months from the date of shipment by the Manufacturer. The Manufacturer's obligations shall be limited within the warranty period at its option to repair or replace the product or any part thereof. The manufacturer shall not be responsible for dismantling and/or reinstallation charges. To exercise the warranty the product must be returned to the Manufacturer freight prepaid and insured.

This warranty does not apply in the following cases: improper installation, misuse, failure to follow installation and operating instructions, alteration, abuse, accident or tampering, and repair done by anyone other than the Manufacturer.

This warranty is exclusive and expressly in lieu of all other warranties, obligations or liabilities, weather written, oral, express or implied, including warranty of merchantability or fitness for a particular purpose, or otherwise. In no case shall the Manufacturer be liable for any consequential damages for breach of this warranty or any other warranties whatsoever, as aforesaid.

This warranty shall not be modified, varied or extended, and the Manufacturer does not authorize any person to act on its behalf in the modification, variation or extension of this warranty. This warranty shall apply to the Product only. All products, accessories or attachments of others used in conjunction with this product, including batteries, shall be covered solely by their own warranty, if any. The manufacturer shall not be liable for any damage or loss whatsoever, weather directly, indirectly, incidentally, consequentially or otherwise, caused by malfunction of the Product due to products, accessories, or attachments of others, including batteries, used in conjunction with the Products.

**23** www.rosslaresecurity.com

The Manufacturer does not represent that its Product may not be compromised and/or circumvented, or that the Product will prevent any death, personal and/or bodily injury and/or damage to property resulting from burglary, robbery, fire or otherwise, or that the Product will in all case provide adequate warning or protection. User understands that a property installed and maintained alarm may only reduce the risks of events such as burglary, robbery and fire without warning, but is no assurance or a guarantee that such will not occur or that there will be no death, personal damage and/or damage to property as a result.

The Manufacturer shall have no liability for any death, personal and/or bodily injury and/or damage to property or other loss whether direct, indirect, incidental, consequential or otherwise, based on a claim that the Product failed to function. However, if the Manufacturer is held liable, weather directly or indirectly, for any loss of damage arising under this limited warranty or otherwise, the Manufacturer's maximum liability shall not in any case exceed the purchase price of the Product, which shall be fixed as liquidated damages and not as a penalty, and shall be the complete and exclusive remedy against the Manufacturer.

Warning: The user should follow the installation and operation instructions and among other things test the Product and the whole system at least once a week. For various reasons, including, but not limited to, changes in environmental conditions, electric or electronic disruptions and tampering, the Product may not perform as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his/her property.

**24** www.rosslaresecurity.com

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