



**Remote Motion Sensor
Model : MSR939**

User Manual



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INTRODUCTION

Thank you for selecting the Oregon Scientific™ Remote Motion Sensor. This security / monitoring device is designed as an accessory for the RF Projection Clock (RMR939P). The remote motion sensor can be used to:

- Activate the following alarm or light when it detects movement;
 - the motion alarm clock for 5 minutes
 - the motion sensor alarm for 20 seconds
 - the clock backlight for 10 seconds

Other features include:

- LED indicator to show data transmission and low battery
- Rotary motion sensor - to direct the sensor to the position you want
- Transmission range - up to 30 metres (open area)
- Wall mount or table stand
- Uses 3 x UM-3 / AA 1.5V batteries or 4.5V AC adaptor for continuous operations (adaptor not included)

Keep this manual handy as you use your new product. It contains practical step-by-step instructions, as well as technical specifications and warnings you should know.



PRODUCT OVERVIEW

FRONT VIEW



1. Rotary Motion Sensor

- Detects motion and activates both alarms on the remote motion sensor and main clock units in accordance with the settings used.
- Twist the knob to direct the sensor to the position you want.

2. ALARM SOUND ON / OFF switch

- Slide switch to ON-the sensor will sound the alarm if it detects movement.
- Slide switch to OFF-the alarm sound function will be turned off.

3. POWER ON / OFF

- Slide to turn the motion sensor ON or OFF.

4. 4.5V Adaptor Socket (adaptor not included)

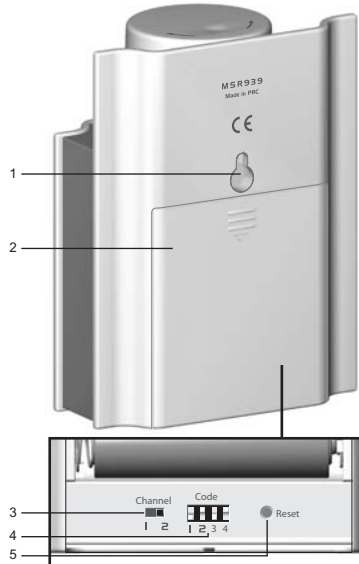
5. Motion Alarm Speaker

6. LED Indicator



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BACK VIEW



1. **Wall Mount**
2. **Battery Compartment (cover on)**
 - Uses 3 x UM-3 / AA 1.5V batteries.
3. **CHANNEL 1 / 2**
 - Slide to select either Channel 1 or Channel 2.
4. **CODE switch**
 - Slide to change the Code.
5. **RESET hole**
 - Insert a thin blunt instrument to return all values to the default settings.



SAFETY AND CARE

SAFETY PRECAUTIONS

Please observe the following safety precautions when setting up and using this product.

- Heat sources-Keep the product away from heat sources, such as radiators, stoves, heaters, and other heat-generating products.
- Water and moisture-Do not use the product in or near water or in high moisture areas, such as a bathroom.
- Power source-The product may be susceptible to power surges. It should be unplugged during severe storms or whenever you will be away for a long time. Only use the type of power source specified in this manual. Do not overload power strips and extension cords, as this can cause a fire hazard.

CARING FOR THIS PRODUCT

To ensure you receive the maximum benefit from using this product, please observe the following guidelines.

- Do not clean any part of the product with benzene, thinner or other solvent chemicals - this may cause permanent damage that is not covered by the guarantee. When necessary, clean it with a damp cloth.
- Keep your product away from hot, humid conditions or strong sunlight.

- Every effort has been made to ensure the highest standards of reliability for your remote motion sensor. However, if something does go wrong, please do not try to repair it yourself-consult your supplier.
- Do not use your product outdoors in the rain, or handle it with wet hands-water can damage electrical equipment.

GETTING STARTED

PACKAGE CONTENTS

When you unpack your remote motion sensor, make sure you keep all the packing materials in a safe place, in case you need to later transport the device or return it for servicing.

In the box, you will find:

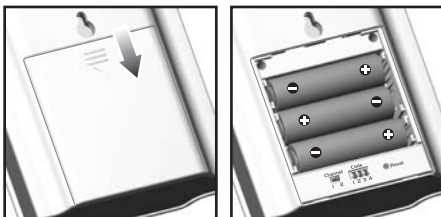
- Remote Motion Sensor
- 3 x UM-3 / AA 1.5V batteries

BATTERIES

The motion sensor uses:

- 3 x UM-3 / AA 1.5V batteries.

To install the batteries, simply insert them making sure they match the correct polarities (+ and -).



- Press **RESET** after each battery change.
- The LED indicator on the motion sensor will flash in red when the batteries are low.

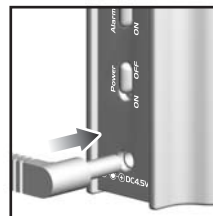
NOTE Do not use rechargeable batteries for the clock or remote motion sensor.

NOTE It is recommended that you use alkaline batteries with this product for longer performance.

AC ADAPTOR

The motion sensor uses a 4.5V AC / DC adaptor (not included).

The motion sensor jack can be inserted into the socket as shown below:



NOTE The motion sensor has a **Power ON / OFF** switch to help conserve energy. Use the AC adaptor when using the motion sensor for long periods of time. The batteries are a good power source for back-up use.

MOTION SENSOR

The motion sensor has a security / monitoring function. It can set off your motion alarm on the clock for 5 minutes and turn the backlight on for 10 seconds when it detects movement.



SETUP SENSOR

1. Install the batteries.
2. Set the channel by sliding the **CHANNEL** switch to 1 or 2. The switch is located in the battery compartment.

SWITCH	OPTION
Channel	Channel 1-2. If you are using more than one sensor, select a different channel for each sensor.

3. Set the Code by sliding the **CODE** switches to the same setting as the Code on the clock display. This enables the clock and motion sensor to interact with each other.
4. Press the **RESET** button. Close the motion sensor battery compartment.
5. Secure the sensor in the desired location using the wall mount or table stand.
6. Twist the rotary motion sensor knob to direct the sensor to the position you want.
7. Slide the **POWER ON / OFF** switch to turn the motion sensor ON or OFF.
8. Slide the **ALARM SOUND ON / OFF** switch to ON to activate the alarm sound function. The motion sensor alarm will now sound for 20 seconds if it detects movement. Slide to OFF to deactivate this function.

NOTE Once it has power, the motion sensor takes 2 minutes to warm up.

For best results:

- Insert the batteries and select the channel before you mount the sensor.
- Place the sensor out of direct sunlight and moisture.
- Do not place the sensor more than 30 metres (98 feet) from the main (indoor) unit.
- Position the sensor so that it faces the main (indoor) unit, minimizing obstructions such as doors, walls, and furniture.
- Place the sensor in a location with a clear view to the sky, away from metallic or electronic objects.

You may need to experiment with various locations to get the best results.

NOTE Please refer to the RF Projection Clock (RMR939P) manual for information on the remote sensor's clock controlled functions.

WARNINGS

This product is designed to give you years of service if handled properly. Oregon Scientific will not be responsible for any deviations in the usage of the device from those specified in the user instructions or any unapproved alterations or repairs of the product. Observe the following guidelines:

- Never immerse the product in water. This can cause electrical shock and damage the product.
- Do not subject the product to extreme force, shock, or fluctuations in temperature or humidity.
- Do not tamper with the internal components.
- Do not mix new and old batteries or batteries of different types.
- Do not use rechargeable batteries with this product.
- Remove the batteries if storing this product for a long period of time.

NOTE The technical specification of this product and contents of this user manual are subject to change without notice. Images not drawn to scale.

TROUBLESHOOTING

PROBLEM	SYMPTOM	REMEDY
Motion Sensor.	Does not give out alarm sound.	<ol style="list-style-type: none"> 1. Adjust batteries / AC adaptor. 2. Check POWER ON / OFF switch is set to ON. 3. Check ALARM SOUND switch is set to ON.
Motion Sensor.	Does not activate the motion alarm on the clock.	<ol style="list-style-type: none"> 1. Adjust batteries / AC adaptor. 2. Check POWER ON / OFF switch is set to ON. 3. Check the CODE switch on the motion sensor matches the clock code display.



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TECHNICAL SPECIFICATIONS

TYPE	DESCRIPTION
Remote Motion Sensor Dimensions	
L x W x H	88 x 43 x 112 mm (3.46 x 1.69 x 4.41 inches)
Weight (without battery)	140 g (0.31 lbs)
Remote Unit	
Motion Sensor Coverage Distance	Approx. 5 metres
Motion Sensor Warm-Up Time	Approx. 2 minutes after power-on
Power	
Remote Motion Sensor Unit	3 x UM-3 (AA) 1.5V batteries or 4.5V AC adaptor (adaptor not included) Adaptor output current >=50mA

NOTE It is recommended that you use alkaline batteries with this product for longer performance.

NOTE Design and specifications are subject to change without notice.

NOTICES

STATEMENT OF RESPONSIBILITY

Oregon Scientific will not be held liable for any bodily injury, death, property damages, or any other claims of whatever nature resulting from the misuse or negligence of the product, whether intentional or unintentional.

Oregon Scientific will not be responsible for any deviations in the usage of the device from those specified in the user instructions or any approved alternations or repairs of the product.



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We hope you will find all the information you need on our website, however if you'd like to contact the Oregon Scientific Customer Care department directly, please visit www2.oregonscientific.com/service/support



OR



Call 949-608-2848 in the US.

For international enquiries, please visit www2.oregonscientific.com/about/international/default.asp





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EC-DECLARATION OF CONFORMITY

This product contains the approved transmitter module that complies with the essential requirements of Article 3 of the R&TTE 1999 / 5 / EC Directive, if used as intended and the following standards have been applied:

Safety of information technology equipment
(Article 3.1.a of the R&TTE Directive)

Applied Standard **EN 60950 : 2000**

Electromagnetic compatibility
(Article 3.1.b of the R&TTE Directive)

Applied Standards
ETSI EN 300 220-3 (Ver1.1.1) : 2002-08

Efficient use of radio frequency spectrum
(Article 3.2 of the R&TTE Directive)

Applied Standards
ETSI EN 300 220-3 (Ver1.1.1) : 2000-09

Additional information:

The product herewith complies with the requirements of the Low Voltage Directive 73 / 23 / EC, the EMC Directive 89 / 336 / EC and carries the CE marking accordingly.

Carmelo Cubito
Agrate Brianza (MI) / Italy January 2004
Manufacturer's EU R&TTE Representative



COUNTRIES RTTE APPROVAL COMPLIED

All EC countries, Switzerland **(CH)**
and Norway **(N)**



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P/N.:086-003530-016

