



Remote Thermo-Hygro Sensor
Model: RTGR368NA
USER MANUAL

INTRODUCTION

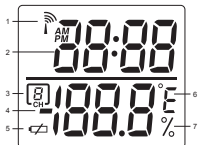
Thank you for selecting the Oregon Scientific™ Remote Thermo-Hygro Sensor (RTGR368NA). This product is compatible with the BAR933HGA clock.

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.

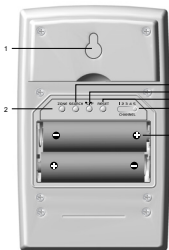
PRODUCT OVERVIEW



- LCD display
- LED status indicator
- Ventilation duct
- Fold-out stand



- Signal reception
- US time zones
- Channel number
- Temp / humidity readings
- Low battery icon
- Time
- Temp (°C or °F)
- Humidity %



- Wall mount
- ZONE** button
- SEARCH** button
- °C / °F button
- RESET** button
- CHANNEL** switch (1-5)
- Battery compartment

GETTING STARTED

BATTERIES

Remote unit uses 2 x UM-3 (AA) 1.5V.

Insert batteries before first use, matching the polarity as shown in the battery compartment. For best results, install batteries in the remote sensor before the main unit. Press **RESET** after each battery change.

NOTE Do not use rechargeable batteries.

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

REMOTE SENSOR

The RTGR368NA sensor collects temperature and humidity readings, and signals from official time-keeping organizations for the atomic clock.

SET UP THERMO / HYGRO SENSOR RTGR368NA)

- Open the battery compartment with a small Phillips screw-driver.
- Insert the batteries.
- Set the channel and radio signal format. The switches are located in the battery compartment.

SWITCH	OPTION
Channel	If you are using more than one sensor, select a different channel for each sensor.
Radio Signal Format	EU (DCF) / UK (MSF)

- Press **RESET**. Then set the temperature unit.

SWITCH	OPTION
Temp	°C / °F

- Press **ZONE** to select the US time zone: P (Pacific), M (Mountain), C (Central) or E (Eastern).
- Close the battery compartment.

To fold out the stand:



To use the wall mount:



For best results:

- Insert the batteries and select the unit, channel, and time zone before you mount the sensor.
- Place the sensor out of direct sunlight and moisture.
- Do not place the sensor more than 230 feet (70 meters) 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.
- Position the sensor close to the main unit during cold winter months as below-freezing temperatures may affect battery performance and signal transmission.

NOTE The transmission range may vary and is subject to the receiving range of the main unit.

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

Standard Alkaline batteries contain significant amounts of water. Because of this they will freeze in low temperatures of approximately 10°F. Disposable Lithium batteries have a much lower threshold for temperature with an estimated freezing range of below -40°F. The Liquid Crystal Display in outdoor thermometers will remain operational to -20°F with adequate power.

Wireless ranges can be impacted by a variety of factors such as extremely cold temperatures. Extreme cold may temporarily reduce the effective range between the sensor and the base station. If the unit's performance fails due to low temperature, the unit will resume proper functioning as the temperature rises to within the normal temperature range (i.e. no permanent damage will occur to the unit due to low temperatures).

RESET SYSTEM

Press **RESET** when you change the batteries and whenever performance is not behaving as expected (for example, you are unable to establish radio frequency link with remote unit).

NOTE When you press **RESET**, all settings will return to default value, and you will lose all stored information.

SAFETY AND CARE

Clean the product with a slightly damp cloth and alcohol-free, mild detergent. Avoid dropping the product or placing it in a high-traffic location.

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 main unit 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.
- Do not scratch the LCD display.

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

TROUBLESHOOTING

PROBLEM	SYMPTOM	REMEDY
Remote sensor	Cannot locate remote sensor	Check batteries Check location
	Data does not match main unit	Initiate a manual sensor search

SPECIFICATIONS

Remote Unit Dimensions	
L x W x H	2.76 x 0.96 x 4.57 inches (70 x 24.5 x 116 mm)
Weight	0.25 lbs (114 grams) without battery
Remote Unit (RTGR368NA)	
RF frequency	433 MHz
Range	Up to 230 feet (70 metres) with no obstructions
Transmission	Approx. every 1 minute
Channel No.	1, 2, 3, 4 or 5
Unit	°C or °F
Operating temperature	-22°F to 140°F (-30°C to 60°C)
Power	
Batteries	2 x UM-3 (AA) 1.5V

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We hope you will find all the information you need on our website, however if you're in the US and would like to contact the Oregon Scientific Customer Care department directly, please visit:

www2.oregonscientific.com/service/support

OR
Call 949-608-2848.

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

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

We

Name:	Oregon Scientific, Inc.
Address:	19861 SW 95th Place, Tualatin, Oregon 97062 USA
Telephone No.:	1-800-853-8883
Fax No.:	1-503-684-3332

declare that the product

Product No.:	RTGR368NA
Product Name:	Remote Thermo-Hygro Sensor
Manufacturer:	IDT Technology Limited
Address:	Block C, 9/F, Kaiser Estate, Phase 1, 41 Man Yue St., Hung Hom, Kowloon, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.

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P/N.: 086-003866-015