

User Manual



Remote Sensor  
Model: THN132N

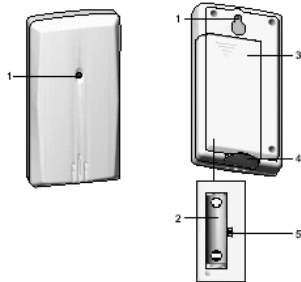
USER MANUAL

INTRODUCTION

Thank you for selecting the Oregon Scientific™ Remote Sensor (THN132N). This product is compatible with various wireless weather station products.

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 about.

OVERVIEW

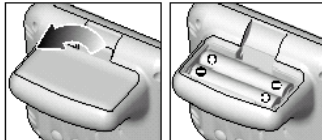


- 1. LED indicator
- 2. Battery compartment
- 3. Battery door
- 4. Table stand
- 5. CHANNEL switch

GETTING STARTED

POWER

Insert batteries before first use, matching the polarity (+ and -).



**NOTE** Install batteries in the remote sensor before the main unit. Press **RESET** after each battery change. Do not use rechargeable batteries. We recommend that you use alkaline batteries with this product for longer usage and lithium batteries in temperatures below freezing.

shows when batteries are low.

UNIT	LOCATION
Main	Indoor temperature area
Remote	Outdoor temperature area

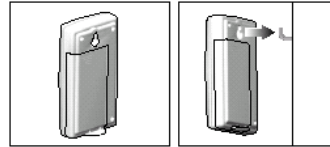
REMOTE SENSOR

To set up the sensor:

1. Slide open the battery door.
2. Insert the batteries, matching the polarity (+ / -).
3. Select a channel. Make sure you use a different channel for each sensor.



4. Close the battery compartment.
5. Secure the sensor in the desired location using the wall mount or table stand.



For best results:

- Place the sensor out of direct sunlight and moisture.
- Do not place the sensor more than 30 meters (100 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.
- Position the sensor close to the main unit during cold winter months as below-freezing temperatures may affect battery performance and signal transmission.

The transmission range may vary depending on many factors. 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 -12°C (10°F). Disposable Lithium batteries have a much lower threshold for temperature with an estimated freezing range of below -30°C (-22°F).

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 falls 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

To reset the sensor, remove and then re-insert the batteries.

PRECAUTIONS

This product is engineered to give you years of satisfactory service if you handle it carefully. Here are a few precautions:

- Do not immerse the unit in water. If you spill liquid over it, dry it immediately with a soft, lint-free cloth.
- Do not clean the unit with abrasive or corrosive materials.
- Do not subject the unit to excessive force, shock, dust, temperature or humidity, which may result in malfunction, shorter electronic life span, damaged battery and distorted parts.
- Do not tamper with the unit's internal components. Doing so will invalidate the warranty on the unit and may cause unnecessary damage. The unit contains no user-serviceable parts.
- Only use fresh batteries as specified in the user's instructions. Do not mix new and old batteries.
- Do not use rechargeable batteries.
- Remove batteries when storing the product for a long time.
- Due to printing limitations, the displays shown in this manual may differ from the actual display.
- The contents of this manual may not be reproduced without the permission of the manufacturer.
- Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

**NOTE** The technical specifications for this product and the contents of the user manual are subject to change without notice.

TROUBLESHOOTING

PROBLEM	SYMPTOM	REMEDY
Remote sensor	Cannot locate remote sensor	Check batteries Check location
	Cannot change channel	Check sensors. Only one sensor is working
	Data does not match main unit	Initiate a manual sensor search

SPECIFICATIONS

TYPE	DESCRIPTION
Dimensions (L x W x D)	96 x 50 x 22 mm (3.8 x 2.0 x 0.9 in)
Weight	62 g (2.22 oz) without battery
Temperature unit	- °C / °F
Outdoor range	-30°C to 60°C (-22°F to 140°F)
Resolution	0.1°C (0.2°F)
RF frequency	433MHz
Range	Up to 30 m (100 ft) with no obstructions
Transmission	Approx. every 40 seconds
Channel no.	1, 2 or 3
Power	1 x UM-3 (AA) 1.5V battery

**NOTE** We recommend that you use alkaline batteries with this product for longer usage and lithium batteries in temperatures below freezing.

ABOUT OREGON SCIENTIFIC

Visit our website ([www.oregonscientific.com](http://www.oregonscientific.com)) to learn more about Oregon Scientific products such as digital cameras; MP3 players; children's electronic learning products and games; projection clocks; health and fitness gear; weather stations; and digital and conference phones. The website also includes contact information for our Customer Care department in case you need to reach us, as well as frequently asked questions and customer downloads.

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/default.asp](http://www2.oregonscientific.com/service/default.asp) OR Call 1-800-853-8883.

For international inquiries, please visit: [www2.oregonscientific.com/about/international.asp](http://www2.oregonscientific.com/about/international.asp)

INDUSTRY CANADA STATEMENT

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

IC number: 3277A-THN132N

EU- DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that the Remote Sensor (THN132N) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.



**Prüfbericht - Nr.:**  
*Test Report No.*

**14012218 001**

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#### 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.

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](http://www.oregonscientific.com)), or on the warranty card for this product) for all inquiries instead.

#### We

Name: Oregon Scientific, Inc.  
 Address: 19861 SW 95th Ave., Tualatin,  
 Oregon 97062 USA  
 Telephone No.: 1-800-853-8883

#### declare that the product

Product No.: THN132N  
 Product Name: Remote 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.