Oregon SCIENTIFIC

Wireless Remote Sensor with LCD display Model: THGR810

Wireless Remote Sensor Model: THGN810

USER MANUAL

EN

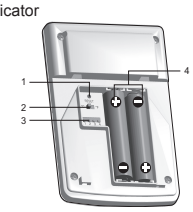
INTRODUCTION

Thank you for selecting the Oregon Scientific™ remote thermo-hygro sensor (THGR810 / THGN810).

This sensor is compatible with main units that carry this logo 3.0 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.

PRODUCT OVERVIEW

1. LCD display (the THGN810 does not have an LCD screen) : Shows the channel number, temperature and humidity readings, and comfort level
2. LED status indicator



1. **RESET** hole
2. **ºC / ºF** switch (THGN810 does not have this switch)
3. **CODE** switch
4. Battery compartment

GETTING STARTED

BATTERIES

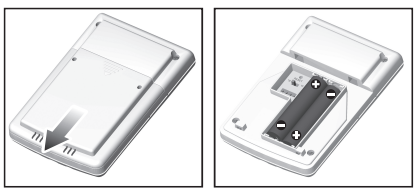
Insert batteries before first use, matching the polarity (+ and -) as shown in the battery compartment. For best results, install batteries in the remote sensor before the main unit. Press **RESET** after each battery change.

NOTE It is recommended that you use alkaline batteries with this product for longer performance and consumer grade lithium batteries in below freezing temperatures (0ºC / 32ºF). Do not use rechargeable batteries.

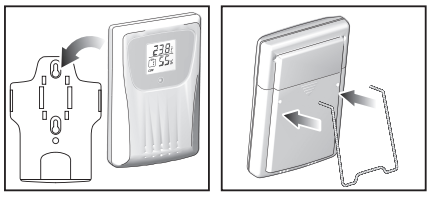
shows on the THGR810 when the batteries are low.

SET UP SENSOR

1. Slide battery door open.
2. Insert the batteries, matching the polarity (+ and -) .



3. Use **CODE** to select the channel.
4. THGR810 only - Set the temperature unit.
5. Place the sensor near the main unit. Press **RESET** on the sensor. Then, press the appropriate main unit button (as specified in the main unit manual) to initiate signal sending between the sensor and the main unit.
6. Close the sensor battery compartment.
7. 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 100 m (330 ft) 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). Consumer grade 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 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).

SET CHANNEL

Set the channel by adjusting the **CODE** switch to one of the following settings.

CHANNEL NUMBER	SWITCH SETTING
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
10	Other switch settings (Not recommend)

PRECAUTIONS

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

- 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 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 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.
- 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.

COMFORT LEVEL

The Comfort Zone indicates how comfortable the climate is, based on current temperature and humidity measurements.

ZONE	TEMPERATURE	HUMIDITY
WET	Any	>70%
COM	20-25°C (68-77°F)	40-70%
DRY	Any	<40%

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

L x W x H	92 x 60 x 20 mm (3.6 x 2.4 x 0.79 in)
Weight	62 g (2.22 oz)
Humidity range	5% to 95%
Humidity resolution	1%
Temp. unit	ºC (ºF)
Temp. outdoor range	-30ºC (-22ºF) to 60ºC (140ºF)
Temp. resolution	0.1ºC (0.2ºF)
RF frequency	433 MHz
Range	100 meters (330 feet)
Transmission	Every 60 seconds
Channel No.	1 - 10
Batteries	2 x UM-4 (AAA) 1.5V

ABOUT OREGON SCIENTIFIC

Visit our website (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

OR

Call 1-800-853-8883.

For international inquiries, please visit:

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: IC 3277A-THGR810

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 Ave., Tualatin, Oregon 97062 USA
Telephone No.:	1-800-853-8883

declare that the product

Product No.:	THGR810 / THGN810
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.

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Remote Sensor (Model THGR810 / THGN810) 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.

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COUNTRIES RTTE APPROVAL COMPLIED
All EU Countries, Switzerland CH
and Norway N

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