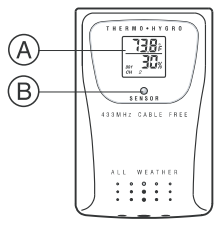
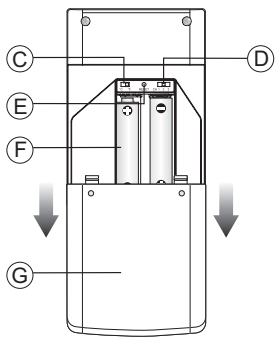
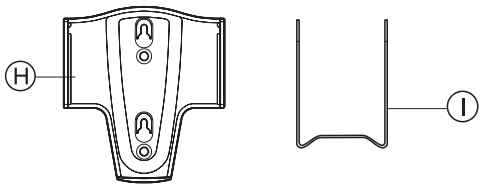
REMOTE THERMO-HYGROMETER WITH LCD

Model: THGR268

USER MANUAL





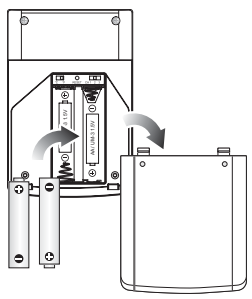




[FIG A]



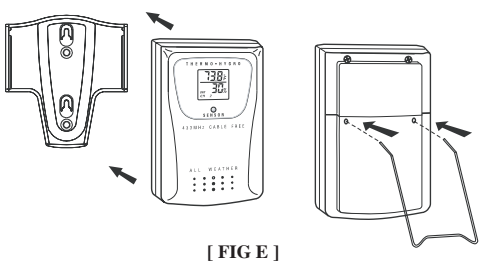
[FIG B]



[FIG C]



[FIG D]



[FIG E]

INTRODUCTION

Congratulations on your purchase of the Remote Thermo-Hygro Sensor (THGR268).
The THGR268 is compatible with a variety 433MHz multi-channel in-out thermo-hygro monitoring units. Operation is easy and no wire installation is required.

COMPATIBLE UNITS

NOTE The THGR268 is compatible with a variety of multi-channel units. If unsure about the compatibility of this units, please consult your dealer.

Examples of compatible units are as follows:
EMR812HG EMR899HG WMR918

MAIN FEATURES

Ⓐ **Two-line LCD**
Displays the current temperature and humidity monitored by the remote unit
- Temperature display
- Humidity display
- Comfort-level indicator

Ⓑ **LED INDICATOR**
Flashes when the remote unit transmits a reading

Ⓒ **°C/°F SLIDE SWITCH**
Selects between Centigrade (°C) and Fahrenheit (°F)

Ⓓ **CHANNEL SLIDE SWITCH**
Designates the remote unit Channel 1, Channel 2 or Channel 3

Ⓔ **RESET BUTTON**
Returns all settings to default values

Ⓕ **BATTERY COMPARTMENT**
Accommodates two UM-3 or AA size alkaline batteries

Ⓖ **BATTERY DOOR**

Ⓗ **WALL-MOUNT HOLDER**
Supports the remote unit in wall-mounting

Ⓘ **REMOVABLE TABLE STAND**
For standing the remote unit on a flat surface

GETTING STARTED

NOTE To ensure proper reception between the main unit and the remote sensor, follow these instructions carefully.

BATTERY AND CHANNEL INSTALLATION
1. Place both units as close as possible to each other.
2. Assign a different channel to each remote sensor by changing the channel switch in the battery compartment of the remote sensor. **[FIG A]**
3. Select the units of measurement for the temperature display on the °C/°F slide switch. **[FIG B]**
4. Install 2 alkaline batteries (UM-3 or "AA" size 1.5V) strictly according to the polarities shown. **[FIG C]**
5. Insert batteries or press the reset button of the main unit. Follow the instructions as set out in the user's manual.
6. Position the remote sensor and main unit within effective transmission range, which in usual circumstances, is 30 meters.

NOTE The effective range may be limited by building materials and the position of either the main unit or remote sensors. Try various set-up arrangements for best result.

Though the sensor is weatherproof, and is meant for use outside, it should be placed away from direct sunlight, rain, or snow.

CHANGING CHANNELS
Once a channel is assigned to a unit, you can only change it by removing the batteries and repeating the above procedure.

LOW-BATTERY WARNING
A battery-low indicator [⌀] will activate on the sensor to indicate that the batteries are low and require changing. Low batteries for a given sensor will also be indicated on the main unit. Replace the batteries when the low-battery indicator appears.

Standard Alkaline batteries contain signifcant amounts of water. Because of this they will freeze in low temperatures of approximately 10°F (12°C). Disposable Lithium batteries have a much lower threshold for temperature with an estimated freezing range of below -40°F (-40°C). The Liquid Crystal Display in outdoor thermometers will remain operational to -20°F (-28°C) 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).

NOTE Disposed of improperly, batteries can be harmful. Protect the environment by taking exhausted batteries to authorized disposal stations.

THE COMFORT-LEVEL INDICATOR
The comfort level is based on the recorded relative humidity. An indicator will be displayed to show if the level is comfortable, wet or dry. **[FIG D]**

OPERATION

Once batteries are in place, the sensor will start transmitting samplings at 40-second intervals.
The remote sensor reading shown on the LCD of the main unit depends on which remote sensor channel has been chosen.

HOW TO RESET THE UNIT
The reset function is required only when the unit is operating in an unfavorable way or malfunctioning.
To access:
1. Lift open the battery compartment door.
2. Place a blunt stylus into the hole marked RESET and press.
3. Replace the battery compartment door.

See the user's manual of your main unit for further information.

HOW TO USE THE TABLE STAND OR WALL MOUNT
This sensor comes with a wall-mount holder and a removable stand. Use either to hold the unit in place. **[FIG E]**

PRECAUTIONS

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

1. Do not immerse the unit in water.
2. Do not clean the unit with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuit.
3. 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.
4. 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.
5. Only use fresh batteries as specified in the user's manual. Do not mix new and old batteries as the old ones may leak.
6. Always read the user's manual thoroughly before operating the unit.

SPECIFICATIONS

Remote thermo-hygro unit

Operating range	: -30.0°C to 60.0°C (-22.0°F to 140.0°F)
Temperature resolution	: 0.1°C (0.2°F)
Displayed relative humidity range	: 2% RH to 97% RH
Humidity resolution	: 1%
Relative humidity measurement range	: 25% RH to 95% RH
RF transmission Frequency	: 433 MHz
Number of channels	: 3
RF transmission Range	: maximum 30 meters
Temperature sensing cycle	: around 40 seconds

Power : two (2) UM-3 or "AA" 1.5V alkaline batteries

Weight : 80.5 gm (without batteries)

Dimension : 105 x 70 x 21 mm (H x W x D)

CAUTION

- The content of this manual is subject to change without further notice.
- Due to printing limitation, the displays shown in this manual may differ from the actual display.
- The manufacturer and its suppliers held no responsibility to you or any other person for any damage expenses, lost profits, or any other claim that arises by using this product.
- The contents of this manual may not be reproduced without the permission of the manufacturer.

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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 1-800-853-8883.

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

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.: THGR268
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

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