Temperature and Humidity Station with Atomic Time
Model: RMR203HG
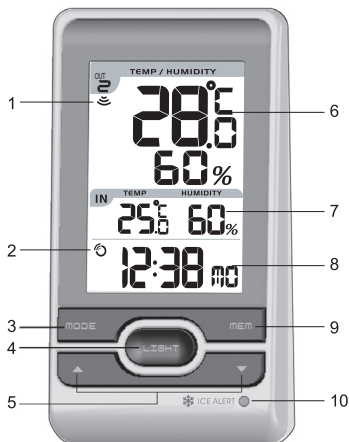
USER MANUAL

**CONTENTS**

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OVERVIEW

FRONT VIEW (FIG 1)

1. Remote sensor reception indicator
2. Clock signal reception indicator
3. **MODE**: Change settings / display
4. **LIGHT**: Activate backlight for 5 seconds
5. ▲ / ▼ : Increase / decrease settings; activate / deactivate clock reception signal
6. Outdoor temperature and humidity
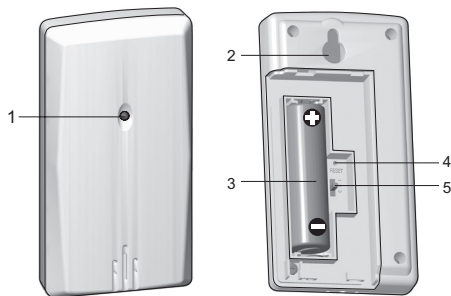7. Indoor temperature and humidity
8. Clock with weekday
9. **MEM**: View current, maximum, minimum temperature / humidity
10. Ice alert LED indicator

BACK VIEW (FIG 2)
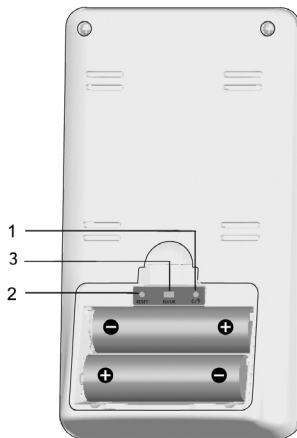
1. **°C / °F**: Select temperature unit
2. **RESET**: Reset unit to default settings
3. **EU / UK**: Select the nearest radio signal

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REMOTE SENSOR (FIG 3)

1. LED status indicator
2. Wall mount hole
3. Battery compartment
4. **RESET** hole
5. **CHANNEL** switch

GETTING STARTED

INSERT BATTERIES

1. Remove the battery compartment.
2. Insert the batteries, matching the polarities (see FIG 2).

LOCATION	MEANING
Clock / alarm	Main unit batteries low
Outdoor temperature and humidity area	Sensor batteries low

REMOTE SENSOR

The main unit can collect data from up to 3 sensors.

To set up the sensor:
1. Open the battery compartment (see FIG 3).
2. Select a channel then press **RESET**.
3. Close the battery door.
4. Place the sensor within 30 m (98 ft) of the main unit using the table stand or wall mount.

TIP Ideal placements for the sensor would be in any location on the exterior of the home at a height of not more than 1.5 m (5 ft) and which can shield it from direct sunlight or wet conditions for an accurate reading.

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1.5 m (5 ft)
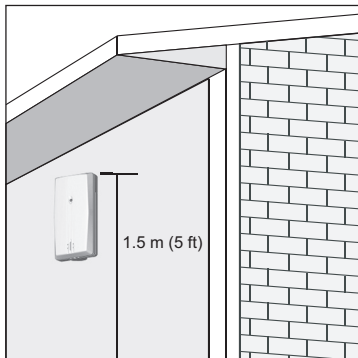
NOTE Use alkaline batteries for longer usage and consumer grade lithium batteries in temperatures below freezing.

SENSOR DATA TRANSMISSION

To search for a sensor:

Press and hold ▲ **+ MODE** simultaneously.

The sensor reception icon in the remote sensor area shows the status:

ICON	DESCRIPTION
OUT → OUT	Main unit is searching for sensor(s).
OUT → OUT → OUT → OUT	A channel has been found.
OUT	The sensor cannot be found.

TIP The transmission range may vary depending on many factors. You may need to experiment with various locations to get the best results.

CLOCK

CLOCK RECEPTION

This product is designed to synchronize its clock automatically with a clock signal.

Slide **EU / UK** to select the signal received.

• EU: DCF-77 signal: within 1500 km (932 miles) of Frankfurt, Germany.

• UK: MSF-60 signal: within 1500 km (932 miles) of Anthorn, England.

To enable / disable signal reception:

Press and hold ▲ to enable or ▼ to disable signal reception.

NOTE Reception takes 2-10 minutes. If the signal is weak, it can take up to 24 hours to get a valid signal. If signal

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reception is unsuccessful, place your unit next to a window, press and hold ▲ to force another signal search.

Clock signal reception indicator:

STRONG SIGNAL	WEAK SIGNAL	NO SIGNAL
🔊	🌙	🌙

MANUALLY SET CLOCK

To set the clock manually, disable the signal reception first.
1. Press and hold **MODE**.
2. Press ▲ or ▼ to change the settings.
3. Press **MODE** to confirm.
4. The settings order is: time zone, 12/24 hr format, hour, minute, year, calendar mode (day – month / month– day), month, day and language.

Time zone offset sets the clock +/- 23 hours from the received clock signal time.

NOTE The language options are English (E), German (D), French (F), Italian (I), and Spanish (S).

To select display mode:

Press **MODE** to choose between clock with seconds / weekday / calendar.

TEMPERATURE AND HUMIDITY

To toggle temperature unit:

Press **°C / °F**.

To auto-scan between sensors:

Press and hold ▼ **+ MEM** to display each sensor's data for 3 seconds. To end press ▲ .

To toggle between current, minimum and maximum records for the selected sensor:

Press **MEM** repeatedly.

To clear the records:

Press and hold **MEM**.

ICE WARNING

If the channel 1 sensor falls between 3°C to -2 °C (37°F to 28°F), LED indicator will flash, and will stop flashing once the temperature is out of this range.

BACKLIGHT

Press **LIGHT** to activate backlight for 5 seconds.

RESET

Press **RESET** to return to the default settings.

PRECAUTIONS

- Do not subject the unit to excessive force, shock, dust, temperature or humidity.
- Do not cover the ventilation holes with any items such as newspapers, curtains etc.
- 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.

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- Do not tamper with the unit's internal components. This invalidates the warranty.
- Only use fresh batteries. Do not mix new and old batteries.
- Images shown in this manual may differ from the actual display.
- When disposing of this product, ensure it is collected separately for special treatment.
- Placement of this product on certain types of wood may result in damage to its finish for which Oregon Scientific will not be responsible. Consult the furniture manufacturer's care instructions for information.
- The contents of this manual may not be reproduced without the permission of the manufacturer.
- Do not dispose old batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.
- Please note that some units are equipped with a battery safety strip. Remove the strip from the battery compartment before first use.

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

SPECIFICATIONS

TYPE	DESCRIPTION
MAIN UNIT	
L x W x H	73 x 47 x 132.5 mm
	(2.87 x 1.85 x 5.22 in)
Weight	241 g (8.5 oz) without battery
Temperature range	-5°C to 50°C (23°F to 122°F)
Resolution	0.1°C (0.2°F)
Signal frequency	433 MHz
Humidity range	25% - 95%
Humidity resolution	1%
Power	2 x UM-3 (AA) 1.5 V batteries
REMOTE UNIT (THGN132N)	
L x W x H	50 x 22 x 96 mm
	(1.97 x 0.87 x 3.78 in)
Weight	62 g (2.22 ounces)
Transmission range	30 m (98 ft) unobstructed
Temperature range	-20°C to 60°C (-4°F to 140°F)
Humidity range	25% - 95%
Power	1 x UM-3 (AA) 1.5 V batteries

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For international inquiries, please visit:

www2.oregonscientific.com/about/international.asp.

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Temperature and Humidity Station with Atomic Time (Model: RMR203HG) 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 APPROVED COMPLIED
All EU countries, Switzerland CH
and Norway N