Rain and Temperature Station with Rainfall History Model: RGR202

USER MANUAL

CONTENTS

Overview **2**
Front View 2
Back View 2
Remote Sensor 3
Getting Started **3**
Insert Batteries 3
Remote Sensor **3**
Sensor Data Transmission 4
Rain Collector Overview **4**
Rain Collector Top View 4
Rain Collector Side View 5
Rain Collector Setup 5
Signals 6
Clock **6**
Manually Set Clock 6
Rainfall **6**
Rainfall History 6
Total Rainfall 7
Rainfall Alert 7
Temperature **7**
Reset **7**
Precautions **7**
Specifications **8**
About Oregon Scientific **9**
EU-Declaration of Conformity **9**
FCC Statement **9**
Declaration Of Conformity 10

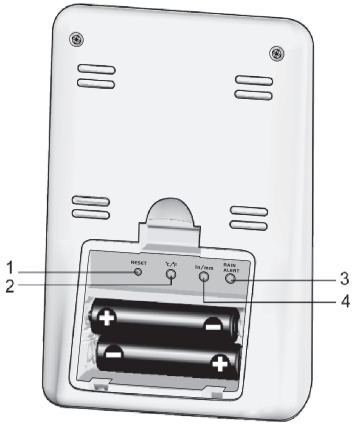
EN

OVERVIEW

FRONT VIEW (FIG. 1)

1. Remote rain collector reception indicator
2. Rainfall alert indicator
3. Remote sensor reception indicator
4. Outdoor temperature
5. **MODE**: Change settings / display
6. **▲ / HIST**: Toggle between past 9 days rainfall history / today's rainfall; increase setting
7. Today's rainfall
8. Total rainfall
9. Clock with weekday
10. **SINCE**: Toggle clock with seconds / day / month; display total annual rainfall
11. **SEARCH** / **▼** : Search remote rain collector; decrease setting
12. Rainfall alert LED indicator

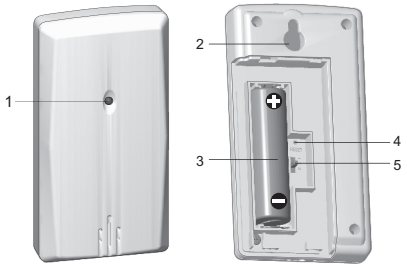
BACK VIEW (FIG. 2)



1. **RESET** : Reset unit to default settings
2. **°C / °F** : Select temperature unit

3. **RAIN ALERT** : Toggle between rain alert / enable alert / disable alert; enter rain alert setting mode
4. **IN / MM** : Select rainfall unit

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).
3. Press **RESET** after each battery change.

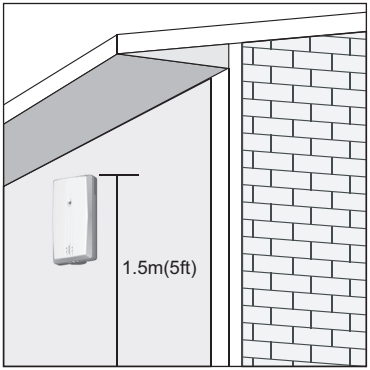
LOCATION	MEANING
Clock area	Main unit batteries low
Outdoor temperature and humidity area	Sensor batteries low
Rainfall area	Rain collector sensor batteries low

REMOTE SENSOR

To set up the sensor:

1. Open the battery compartment (see FIG 3).
2. Select Channel 1 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.



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 ▲ / **HIST** + **MODE**.

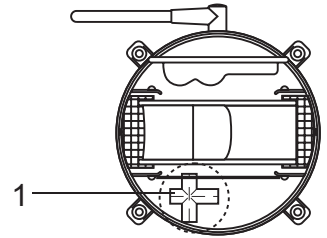
The sensor reception icon in the remote sensor area shows the status:

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.

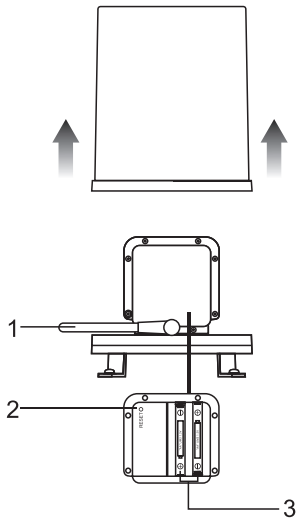
RAIN COLLECTOR OVERVIEW

RAIN COLLECTOR TOP VIEW



1. **Cross**: Check the levelling of the rain collector

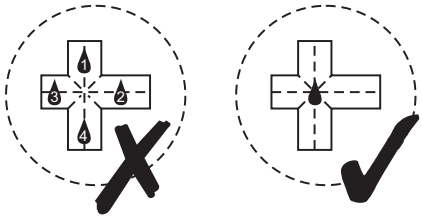
RAIN COLLECTOR SIDE VIEW



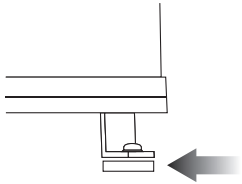
1. **Antenna**: Transmit radio signal to main unit
2. **RESET** hole
3. Battery compartment

RAIN COLLECTOR SETUP

1. Mount the rain collector on a level surface, positioning it within effective range (30m / 100ft) of main unit.
2. Place drops of water on the cross at the base of the rail collector to check leveling.



3. Use the metal ring to adjust the leveling of the rain collector.



4. Remove the fiber tape from around the bucket assemblies.

NOTE Each time the batteries are replaced, repeat the rain collector setup steps 1-4.

SIGNALS

To search for the rain collector:

Press and hold **SEARCH** / ▼.

The remote rain collector reception indicator in the rainfall area shows the status:

ICON	DESCRIPTION
RAIN	No signal.
	Searching for signal.
	Signal connected.

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

CLOCK

MANUALLY SET CLOCK

1. Press and hold **MODE**.
2. Press ▲ / **HIST** or **SEARCH** / ▼ to change the settings.
3. Press **MODE** to confirm.
4. The settings order is: 12/24 hr format, hour, minute, year, calendar mode (day – month / month – day), month, day and language.

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.

RAINFALL

Today's rainfall appears on the first line of the display.

Press **IN / MM** to toggle between inches and millimeters.

RAINFALL HISTORY

The rainfall history is displayed on the second line of the display. The main unit can record and store up to nine days of rainfall.

To display the record for a particular day:

Press ▲ / **HIST** to toggle between daily rainfall and rainfall history over the past nine days. The day of the record will be displayed with a minus (-) sign at the top left hand corner. "TODAY" means the record is for the current day.

To clear the current day's rainfall record:
Press and hold **SINCE** for two seconds. Note that this will also clear the total rainfall record.

CAUTION Other sensors using the 433 MHz transmission frequency may influence the rainfall reading. Please avoid placing those sensors too close to the unit.

TOTAL RAINFALL

The total rainfall is displayed on the second line of the display.

To display the commencing date of the total rainfall record:
Press **SINCE**. The date will appear on the bottom line of the display.

To clear the existing commencing date and reset it to start again:
Press and hold **SINCE**. The total rainfall and today rainfall will be reset to zero and the unit will start again to collect the rainfall data.

RAINFALL ALERT

To set the rainfall alert value:

1. Press and hold **RAIN ALERT** to enter setting mode.
2. Press ▲ / **HIST** or **SEARCH** / ▼ to toggle values.
3. Press **RAIN ALERT** to confirm. indicates rainfall alert function is enabled.

To deactivate rainfall alert:

- The rainfall alert will be activated when the rainfall is equal to or more than the rainfall alert value; and LED indicator will flash continuously.
- To deactivate the rainfall alert, press **RAIN ALERT** or increase the rainfall alert value.

TEMPERATURE

To toggle temperature unit:
Press **°C / °F**.

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.
- 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	89 x 41.6 x 116.5 mm (3.50 x 1.64 x 4.59 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
Power	2 x UM-4 (AAA) 1.5 V batteries
REMOTE UNIT (THN132N)	
L x W x H	96 x 50 x 22 mm (3.78 x 1.97 x 0.87 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)
Power	1x UM-3 (AA) 1.5 V batteries
RAIN COLLECTOR	
Diam x H	140 x 145 mm (5.5 x 5.7 in)
Weight	260 g (9.2 oz)
Transmission range	30 m (98 ft) unobstructed
Power	2 x UM-3 (AA) 1.5 V batteries

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products. If you're in the US and would like to contact our Customer Care department directly, please visit: www2.oregonscientific.com/service/support

OR

Call 1-800-853-8883.

For international inquiries, please visit:

www2.oregonscientific.com/about/international

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Rain and Temperature Station with Rainfall History (Model: RGR202) 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.

CE

COUNTRIES RTTE APPROVAL COMPLIED

All EU countries, Switzerland CH

and Norway N

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.:	RGR202
Product Name:	Rain and Temperature Station with Rainfall History
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.