

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [SZFZMZ](#) /
- › [SZFZMZ Wireless Digital Rain Gauge User Manual](#)

SZFZMZ ZRG392-1

SZFZMZ Wireless Digital Rain Gauge

Model: ZRG392-1

INTRODUCTION

Thank you for choosing the SZFZMZ Wireless Digital Rain Gauge. This device provides accurate measurements of rainfall and monitors indoor and outdoor temperatures. Its self-emptying design ensures maintenance-free operation, and the wireless transmission allows for convenient monitoring from inside your home. This manual will guide you through the setup, operation, and maintenance of your new rain gauge.



Image: The SZFZMZ Wireless Digital Rain Gauge system, showing the indoor display unit and the outdoor self-emptying rain sensor.

PRODUCT COMPONENTS

Your SZFZMZ Wireless Digital Rain Gauge system consists of two main units:

1. Display Unit (Indoor Console)

This unit displays all collected data, including rainfall, indoor temperature, outdoor temperature, time, and calendar. It also features alarm functions.



Image: Front and back view of the indoor display unit, highlighting its various display elements such as cumulative rainfall, time, indoor/outdoor temperature, and control buttons on the back.

- **Display Screen:** Shows current and historical rainfall data, indoor/outdoor temperature, time, and calendar.
- **Control Buttons:** Located on the back, used for mode selection, history, setting time, and alarm/alert functions.
- **Battery Compartment:** Requires 2x 'AAA' batteries (not included).

2. Outdoor Sensor (Rain Collector)

This unit collects rainfall data and transmits it wirelessly to the display unit. It also measures outdoor temperature.

Wireless Wireless Remote Sensor Display



Image: Exploded diagram of the outdoor sensor, detailing its components like the funnel buckle, rainfall measuring cup, sensor buckle, battery compartment, fixed hole, and fixed screw.

- **Rainfall Measuring Cup:** Collects and measures precipitation.
- **Self-Emptying Mechanism:** Automatically empties collected water, eliminating manual maintenance.
- **Bubble Level:** Assists in ensuring proper, level installation for accurate readings.
- **Battery Compartment:** Requires 2x 'AA' batteries (not included).
- **Mounting Holes:** For secure installation.

SETUP

1. Battery Installation

1. **Display Unit:** Open the battery compartment on the back of the display unit. Insert 2 'AAA' batteries, observing the correct polarity (+/-). Close the compartment.
2. **Outdoor Sensor:** Open the battery compartment on the outdoor sensor. Insert 2 'AA' batteries, observing the correct polarity (+/-). Close the compartment securely to ensure weather resistance.

2. Placement

Optimal placement is crucial for accurate readings and wireless transmission.

- **Display Unit:** Place the display unit indoors, away from direct sunlight or heat sources that could affect indoor temperature readings. Ensure it is within 200ft/60m of the outdoor sensor.
- **Outdoor Sensor:**
 - Choose an open area where the sensor is not obstructed by trees, buildings, or other structures that could block rainfall or affect wind patterns.
 - Mount the sensor on a level surface using the provided mounting holes and screws. Use the integrated bubble level to ensure it is perfectly horizontal for accurate rainfall collection.
 - Ensure the sensor is easily accessible for occasional cleaning but secure enough to withstand wind.



Image: Illustration showing the wireless connection between the indoor display unit and the outdoor sensor, demonstrating the 200ft/60m transmission range.

3. Synchronization

Once batteries are installed in both units, they should automatically synchronize. If not, refer to the troubleshooting section.

OPERATING INSTRUCTIONS

1. Display Functions

The display unit provides various data readouts:



Image: The indoor display unit showing various data points and icons, including temperature, rainfall, historical records, calendar, and time.

- **Current Rainfall:** Displays the most recent precipitation value.
- **Historical Rainfall:** Cycle through different time periods to view rainfall totals for: Now, 1 Hour, 24 Hours, Today, 7 Days, Month, Year, and Total. Use the 'HIST/UP' button to navigate.
- **Indoor Temperature:** Current temperature at the display unit's location.
- **Outdoor Temperature:** Current temperature from the outdoor sensor.
- **Time and Calendar:** Displays the current time and date.



Image: A close-up of the display screen, illustrating how different rainfall measurement totals (Now, 1 Hour, 24 Hours, Today, 7 Days, Month, Year, Total) are presented.

2. Setting Time and Date

Refer to the buttons on the back of the display unit:

1. Press and hold the 'MODE/SET' button to enter time setting mode.
2. Use the 'UP' or 'DOWN' buttons to adjust the flashing value (e.g., hour, minute, year, month, day).
3. Press 'MODE/SET' again to confirm and move to the next setting.
4. Exit setting mode by pressing 'MODE/SET' after the last setting or by leaving it idle for a few seconds.

3. Programmable Rain Alarm

The device features a programmable 24-hour rainfall alert.



Image: A close-up of the display screen, showing the rain alert icon (a cloud with rain and an exclamation mark) indicating an active rainfall alert.

1. Press the 'RAIN/ALERT' button to cycle through alert settings.
2. When the alert icon flashes, use 'UP' or 'DOWN' to set the desired rainfall threshold for the alert.
3. Press 'RAIN/ALERT' again to confirm the setting.

4. Alarm Clock and Snooze Function

The display unit includes an alarm clock with snooze.



Image: A close-up of the display screen, showing two alarm clock icons, one for weekdays (M-F) and one for weekends (S-S), along with AM/PM indicators.

1. Press the 'MODE/SET' button repeatedly until the alarm time is displayed.
2. Press and hold 'MODE/SET' to enter alarm setting mode.
3. Use 'UP' or 'DOWN' to adjust the alarm time.
4. Press 'MODE/SET' to confirm.
5. To activate/deactivate the alarm, press the 'ALARM' button (if present, otherwise use 'MODE/SET' or 'UP'/'DOWN' in alarm display mode).
6. When the alarm sounds, press any button (except 'MODE/SET' or 'RAIN/ALERT') to activate snooze, or press 'MODE/SET' to turn off the alarm.

MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your rain gauge.

- **Cleaning the Outdoor Sensor:** Periodically check the rainfall measuring cup and funnel for debris such as leaves, dirt, or insects. Clean gently with a soft cloth and water. Avoid abrasive cleaners.
- **Battery Replacement:** Replace batteries in both units when the low battery indicator appears on the display. It is recommended to replace all batteries at the same time to ensure consistent performance.
- **Level Check:** Occasionally verify that the outdoor sensor remains level, especially after strong winds or ground shifts. Adjust if necessary using the bubble level.
- **Winter Care:** In areas with freezing temperatures, ensure the outdoor sensor is clear of ice and snow to prevent damage to the tipping bucket mechanism.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor temperature/rainfall data on display.	No wireless connection; Batteries low/dead; Sensor too far or obstructed.	Check batteries in both units. Move display unit closer to sensor. Ensure no large metal objects or thick walls are between units. Re-synchronize by removing and reinserting batteries in both units.
Inaccurate rainfall readings.	Sensor not level; Debris in funnel/tipping bucket; Sensor obstructed by overhead objects.	Ensure sensor is perfectly level using the bubble level. Clean the funnel and tipping bucket mechanism. Relocate sensor to an open area.

Problem	Possible Cause	Solution
Display unit not turning on.	Batteries incorrectly installed or dead.	Check battery polarity. Replace with fresh 'AAA' batteries.
Display shows incorrect time/date.	Time/date not set or reset after battery change.	Follow instructions in 'Setting Time and Date' section to manually set.
Rain alarm not sounding.	Alarm not activated or threshold not met.	Ensure the rain alarm is enabled and the threshold is set correctly.

SPECIFICATIONS

- **Model Number:** ZRG392-1
- **Product Dimensions (Display Unit):** 3.5 x 1 x 3.5 inches
- **Outdoor Sensor Dimensions:** 7.1 x 5.1 inches
- **Item Weight:** 15.2 ounces (total package)
- **Wireless Transmission Range:** Up to 200ft / 60m (open air)
- **Display Unit Power:** 2x 'AAA' batteries (not included)
- **Outdoor Sensor Power:** 2x 'AA' batteries (not included)
- **Rainfall Measurement Units:** Inches
- **Temperature Measurement Units:** Celsius/Fahrenheit switchable

Self-Emptying Rain Gauge



Image: Diagram illustrating the dimensions of both the indoor display unit (3.5x3.5 inches) and the outdoor sensor (7.1x5.1 inches), alongside a list of key features.

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the contact details provided with your product packaging or visit the official SZFZMZ brand store online. Keep your purchase receipt for warranty claims.

Online Brand Store: [SZFZMZ Official Store](#)