YZDTECH Wireless Rain Gauge

YZDTECH Wireless Rain Gauge Outdoor User Manual

Model: Wireless Rain Gauge

1. Introduction

The YZDTECH Wireless Rain Gauge is an advanced electronic device designed to provide accurate and convenient rainfall monitoring and outdoor temperature readings. This system consists of an indoor host display, an outdoor rain collector, and an outdoor temperature sensor, all communicating wirelessly for ease of use and installation. It features daily and cumulative rainfall records, programmable alarms, and a self-emptying mechanism for minimal maintenance.



Overview of the YZDTECH Wireless Rain Gauge system, showing the indoor display unit, the outdoor rain collector, and the compact outdoor sensor.

2. Setup and Installation

2.1 Package Contents

- Indoor Host Display Unit
- Outdoor Rain Collector
- Outdoor Temperature Sensor
- Mounting Screws (4x)
- User Manual

2.2 Battery Installation

Insert the required batteries (not included) into both the indoor host display unit and the outdoor temperature sensor, following the polarity indicators inside the battery compartments. Ensure the battery covers are securely

closed.

2.3 Outdoor Rain Gauge Placement

Place the outdoor rain gauge on a horizontal surface outdoors, such as a roof or a stable platform, ensuring it is level for accurate readings. The product includes four screws, which can be used to fix the outdoor rain gauge in place for added stability.



Illustration of the wireless setup, demonstrating the optimal placement for the outdoor rain gauge, outdoor sensor, and indoor host to ensure reliable signal transmission.

2.4 Wireless Connection

Once batteries are installed, the outdoor sensors will automatically connect with the indoor host. Ensure the outdoor sensor and rain gauge are within the effective transmission range of the indoor host (up to 330ft/100m in open areas, 100ft under most conditions) for continuous data transmission.



Visual representation of the enhanced signal transmission, showing the indoor unit and outdoor components with an effective range of up to 328 feet.

3. Operating Instructions

3.1 Display Overview

The indoor host display provides various readings:

- **Daily Rainfall:** Shows precipitation for the current day.
- **Cumulative Rainfall:** Displays total rainfall over a period.
- **Outdoor Temperature:** Real-time temperature from the outdoor sensor.
- **Clock and Calendar:** Current time and date for convenience.



Detailed view of the indoor display, indicating the areas for daily rainfall, cumulative rainfall, outdoor temperature, and the integrated clock and calendar.

3.2 Viewing Historical Rainfall Records

The device stores daily rainfall data for up to 9 days. Use the 'HIST' button on the indoor host to cycle through the historical records. The display can switch between inches (in) and millimeters (mm) for rainfall values.



Graphical representation of historical rainfall records, illustrating how the display can show data for the past 9 days and switch between measurement units.

3.3 Programmable Rain Alarm

Set a programmable rain alarm to be notified when precipitation reaches a certain level. Refer to the specific instructions in the full manual for setting alarm thresholds.

4. Maintenance

4.1 Self-Emptying Rain Collector

The outdoor rain gauge features an automatic self-emptying mechanism. The tipping bucket inside swings by weight to clear the collected rainfall on its own, eliminating the need for manual emptying. This design ensures maintenance-free operation and prevents issues common with traditional glass tube rain gauges.



Internal view of the automatic emptying rain gauge, showing the tipping bucket system that self-clears rainfall, eliminating manual intervention.

4.2 Cleaning

Periodically inspect the outdoor rain collector for any debris (leaves, dirt, etc.) that might obstruct the tipping mechanism. Clean gently with a soft, damp cloth. Do not use abrasive cleaners or solvents.

4.3 Battery Replacement

Replace batteries in both the indoor host and outdoor sensor when the low battery indicator appears on the display to ensure continuous and accurate operation.

5. Troubleshooting

This section addresses common questions and issues you might encounter.



A visual guide to frequently asked questions, providing quick answers to common operational queries.

Q: Why does holding the "Since" button not reset the total rain data?

A: The "Since" button is used to clear or reset historical rainfall data. For new machines, if there is only today's rainfall without historical rainfall, it will not be cleared or reset.

Q: How do I change the temperature reading from °C to °F?

A: Open the back cover of the outdoor temperature sensor. There is a button inside to switch between Celsius (°C) and Fahrenheit (°F) temperature readings.

Q: What if the weather station does not meet my expectations or I have other problems?

A: If the weather station with rain gauge outdoor does not meet your expectation or you have any problem with the product, please contact us immediately for assistance.

6. Specifications

Feature	Detail
Product Dimensions	3.5 x 1.1 x 5.3 inches
Item Weight	1.43 pounds
Manufacturer	YZDTECH
Model Number	Wireless Rain Gauge
ASIN	B0CXJ7Z7PJ
Wireless Transmission Range	Up to 330ft (100m) in open area, 100ft under most conditions

Feature	Detail
Rainfall Records	Daily and cumulative, historical up to 9 days

7. Warranty and Support

For any product-related inquiries, technical support, or warranty claims, please contact the seller directly through the platform where the product was purchased. Refer to your purchase documentation for specific warranty terms and contact information.

© 2024 YZDTECH. All rights reserved.