Raddy R4

Raddy R4 Wireless Remote Sensor User Manual

Model: R4 | Brand: Raddy

Introduction

The Raddy R4 is a wireless indoor and outdoor remote sensor designed to provide accurate temperature and humidity readings. It is compatible with Raddy WF-80C Home weather stations, extending their monitoring capabilities to various environments. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your R4 sensor.

Figure 1: Front view of the Raddy R4 Wireless Remote Sensor, showing the LCD display.

Setup

1. Battery Installation

The Raddy R4 sensor requires **two (2) AA batteries** (not included). For optimal performance, especially in cold environments (below -10 °C), it is recommended to use low-temperature resistant batteries.

1. Locate the battery compartment on the back of the sensor.
2. Slide open the battery cover.
3. Insert two AA batteries, ensuring correct polarity (+ and -).
4. Close the battery cover securely.

Figure 2: Battery compartment of the Raddy R4 sensor with batteries installed.

2. Pairing with Main Unit (WF-80C)

To ensure proper synchronization, always insert batteries into the main WF-80C unit before installing batteries in the R4 remote sensor.

- Ensure your Raddy WF-80C weather station is powered on.
- Install batteries into the R4 sensor as described above. The sensor will automatically attempt to pair with the main unit.
- Allow a few minutes for the sensor to establish a connection. Once connected, the temperature and humidity readings will appear on the main unit's display.

3. Mounting and Placement Recommendations

The Raddy R4 sensor offers versatile mounting options and can be placed on a shelf or hung on a wall using the integrated keyhole slot on its back.

Figure 3: Rear view of the Raddy R4 sensor, highlighting the mounting features.

For accurate readings and optimal wireless transmission, observe the following placement guidelines:

- **Position:** Place the remote sensor in a**vertical position**.
- **Airflow:** Position it in an area with**free air circulation**, ideally with a shelter to protect it from direct elements.
- **Interference:** Keep it away from potential interfering sources such as large metal objects, electronic devices, or thick walls that can obstruct the wireless signal.
- **Height:** For outdoor use, place the sensor at least**47 inches (1.2 meters) from the ground**.

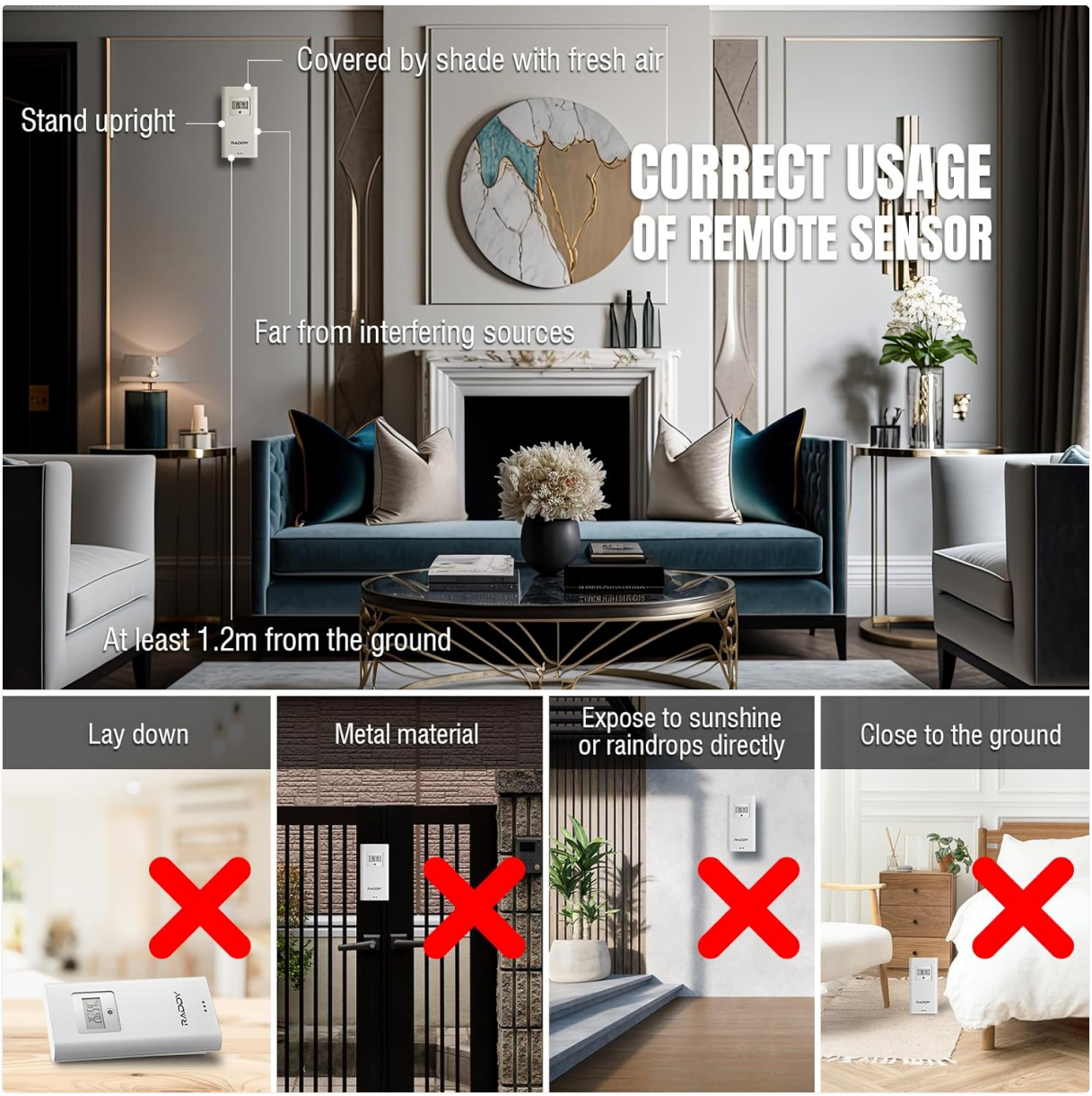


Figure 4: Guidelines for correct and incorrect placement of the remote sensor.

Figure 5: Example of the Raddy R4 sensor mounted in an indoor environment.

Operating Instructions

1. LCD Display

The R4 sensor features a clear digital LCD display that shows the current channel number, temperature, and humidity. It supports both Celsius (°C) and Fahrenheit (°F) temperature units.

Figure 6: Angled view of the Raddy R4 sensor display.

2. Wireless Transmission

The sensor transmits data wirelessly to the main WF-80C unit. The wireless transmission range is up to **100 meters (approximately 328 feet)** in an open area. Obstacles such as walls, metal structures, and electronic interference can reduce this range.

Maintenance

1. Battery Replacement

When the battery indicator on the main unit or the sensor's display shows low power, replace both AA batteries promptly to ensure continuous operation and accurate readings. Follow the battery installation steps in the Setup section.

2. Cleaning

Wipe the sensor with a soft, damp cloth. Do not use abrasive cleaners or immerse the unit in water.

3. Environmental Considerations

While the sensor is designed for outdoor use, prolonged exposure to extreme weather conditions (e.g.,

heavy rain, direct sunlight, or temperatures significantly outside its operating range) can affect its lifespan and accuracy. Ensure it is placed under a shelter if used outdoors.

Troubleshooting

Problem	Possible Cause	Solution
Sensor not communicating with main unit.	• Batteries are low or incorrectly installed. • Sensor is out of range or signal interference. • Main unit not powered on or paired correctly.	• Replace batteries in both sensor and main unit. Ensure correct polarity. • Move sensor closer to the main unit. Remove obstacles or interfering devices. • Ensure main unit is powered on and attempt re-pairing if necessary (refer to main unit manual).
Inaccurate temperature/humidity readings.	• Sensor exposed to direct sunlight, rain, or heat sources. • Sensor placed in an area with poor air circulation.	• Relocate sensor to a shaded area with good ventilation. • Ensure sensor is placed according to placement recommendations (Figure 4).
LCD display is dim or blank.	• Low batteries. • Extreme temperatures affecting LCD.	• Replace batteries. • Move sensor to an environment within its operating temperature range.

Specifications

Feature	Detail
Model Number	R4
Brand	Raddy
Compatibility	Raddy WF-80C Weather Station
Power Source	2 x AA Batteries (not included)
Temperature Range	-40 °C to 70 °C (-40 °F to 165 °F)
Humidity Range	20%RH to 95%RH
Wireless Transmission Range	Up to 100m (328 ft) in open area
Dimensions (L x W x H)	9.65 x 5.08 x 3.05 cm (3.8 x 2 x 1.2 inches)
Weight	200 g (0.44 lbs)
Special Feature	Large LCD Display
Recommended Use	Home, Air Humidity Monitoring

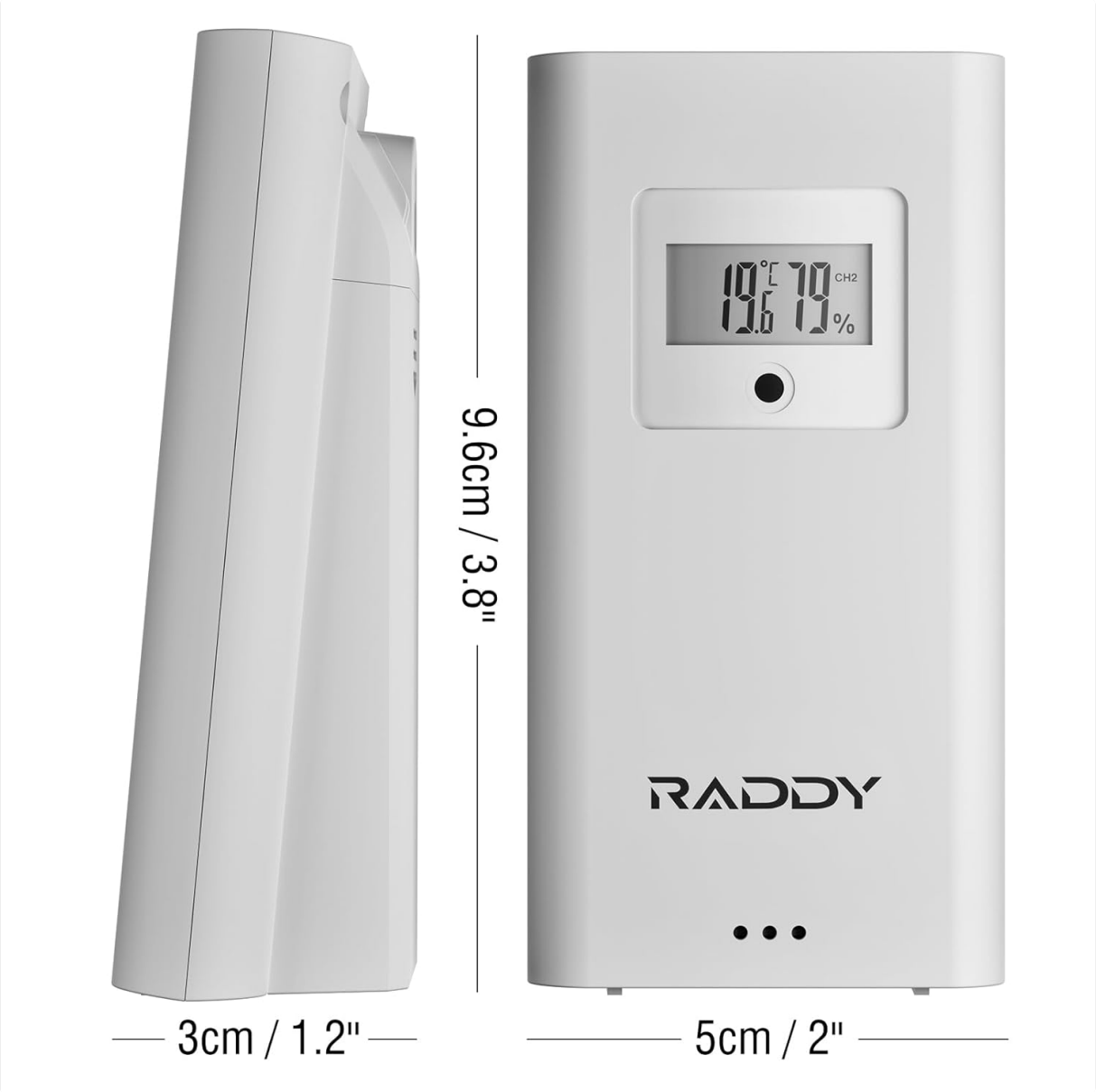


Figure 7: Dimensions of the Raddy R4 Wireless Remote Sensor.

Figure 8: Versatile usage scenarios for the Raddy R4 remote sensor.

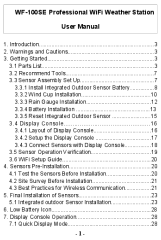
Warranty and Support

Raddy products are designed for reliability and performance. For any issues or inquiries, please contact Raddy Support. While specific warranty details are not provided in this manual, customers typically benefit from a 30-day free return policy. For technical assistance or warranty claims, please refer to the contact information provided with your purchase or visit the official Raddy website.

Note: One customer reported that Raddy Support was responsive and resolved an issue with a non-communicating sensor.

Related Documents - R4

RADDY WF-80C 	Raddy WF-80C User Manual - Wireless Weather Station Comprehensive user manual for the Raddy WF-80C wireless indoor/outdoor weather station. Learn about its large color display, outdoor sensors, and operation.
RADDY WF-80C 	Raddy WF-80C Wireless Weather Station User Manual User manual for the Raddy WF-80C wireless weather station, covering features like DCF time, multi-language support, alarms, temperature/humidity monitoring, and weather forecasting.
	Raddy WF-55C Weather Station User Manual: Setup, Features, and Operation Comprehensive user manual for the Raddy WF-55C Weather Station. Provides detailed instructions on setup, features like temperature and humidity monitoring, weather forecasting, alarms, and troubleshooting tips.
RADDY WF-55C WEATHER STATION USER MANUAL 	Raddy WF-55C Weather Station User Manual User manual for the Raddy WF-55C Weather Station, providing detailed instructions on setup, features, operation, alerts, troubleshooting, and technical specifications for monitoring indoor and outdoor temperature, humidity, and weather forecasts.



WF-100SE Professional WiFi Weather Station
User Manual

- 1 -

[WF-100SE Professional WiFi Weather Station User Manual - Raddy]

Comprehensive user manual for the Raddy WF-100SE Professional WiFi Weather Station. Learn how to install, operate, calibrate, and troubleshoot your weather station for accurate home weather monitoring.

WF-120C Manual
PROFESSIONAL WEATHER STATION

[WF-120C Professional Weather Station Manual]

This manual provides comprehensive instructions for setting up, operating, and maintaining the WF-120C Professional Weather Station. Learn about its features, sensor connections, weather forecasting capabilities, and more.