YZDTECH Remote Sensor

YZDTECH Digital Indoor Outdoor Wireless Remote Sensor Instruction Manual

For Weather Station Models: 5087-3, 5065-3A, 5065-3S

Introduction

This manual provides essential instructions for the proper setup, operation, and maintenance of your YZDTECH Digital Indoor Outdoor Wireless Remote Sensor. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

Important Compatibility Notice: This wireless remote sensor is designed exclusively for use with YZDTECH weather station models **5087-3, 5065-3A, and 5065-3S**. It is not compatible with any other models. Please verify your weather station model before attempting to connect this sensor.

Product Features

- **Wireless Transmission:** Offers a transmission range of up to 200ft/60m in open areas. Note that walls and floors may reduce this range.
- **Temperature Display:** Shows temperature readings in either Celsius (°C) or Fahrenheit (°F).
- **Humidity Display:** Shows relative humidity (%RH).
- **Versatile Placement:** Suitable for various locations including baby rooms, storage rooms, wine cellars, and vegetable sheds.
- **Easy Installation:** Compact design with mounting holes for flexible placement.
- **Battery Powered:** Operates on 2 x AA batteries (not included).

Setup

1. Battery Installation

1. Locate the battery compartment cover on the back of the sensor.
2. Remove the cover by sliding or unscrewing it.
3. Insert 2 new AA batteries, ensuring correct polarity (+ and -).
4. Replace the battery compartment cover securely.

2. Sensor Placement

The sensor can be placed indoors or outdoors. For outdoor use, choose a location protected from direct sunlight and heavy rain to ensure accurate readings and prolong device life. For indoor use, consider areas where temperature and humidity monitoring is desired, such as a baby room or storage area.



Image: The YZDTECH wireless remote sensor mounted on an exterior wall, showing its display with temperature and humidity readings. This illustrates typical outdoor placement.



Image: The YZDTECH wireless remote sensor positioned on an indoor desk, displaying its current temperature and humidity. This demonstrates typical indoor placement.

3. Mounting the Sensor

The sensor features mounting holes on its back for secure attachment. Use appropriate screws (not included) for your chosen surface. Ensure the sensor is mounted vertically for optimal performance.



Image: The YZDTECH wireless remote sensor mounted on an indoor wall featuring a circuit board design, with its display showing temperature and humidity. This highlights the mounting capability.

4. Pairing with Weather Station

After battery installation and placement, the sensor will automatically attempt to transmit data to your compatible YZDTECH weather station (models 5087-3, 5065-3A, or 5065-3S). Refer to your weather station's manual for specific instructions on how to initiate sensor search or pairing if automatic connection does not occur.



Image: The YZDTECH wireless remote sensor positioned alongside a YZDTECH weather station display unit, illustrating the intended pairing.

Operating Instructions

Display Information

The sensor's integrated display shows the current temperature and relative humidity. The temperature can be displayed in either Celsius (°C) or Fahrenheit (°F). The humidity is shown as a percentage (%RH).

Transmission

The sensor continuously transmits data to the main weather station. Ensure the sensor is within the 200ft/60m transmission range of the weather station for consistent data updates. Obstacles like thick walls, metal structures, or electronic interference can reduce the effective range.

Maintenance

Battery Replacement

When the battery indicator on the sensor or your weather station shows low power, replace the AA batteries promptly. Refer to the 'Battery Installation' section for instructions.

Cleaning

Wipe the sensor's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the casing or display. Ensure no moisture enters the battery compartment or internal components.

Optimal Placement

Regularly check the sensor's placement. For outdoor use, ensure it remains protected from extreme weather conditions. For indoor use, avoid placing it near heat sources, air conditioning vents, or in direct sunlight, which can affect reading accuracy.

Troubleshooting

- **No Readings on Weather Station:**
  - Check if the sensor batteries are correctly installed and not depleted.
  - Ensure the sensor is within the transmission range of the weather station.
  - Reduce obstacles between the sensor and the weather station.
  - Refer to your weather station's manual for specific sensor pairing or search functions.
- **Inaccurate Readings:**
  - Verify the sensor's placement. Avoid direct sunlight, heat sources, or areas with high humidity fluctuations (e.g., near a shower).
  - Allow the sensor to stabilize for 15-30 minutes after initial setup or relocation.
- **Short Transmission Range:**
  - Ensure there are no major obstructions (thick walls, metal objects, large appliances) between the sensor and the weather station.
  - Move the sensor closer to the weather station.
  - Check for potential sources of radio interference (e.g., other wireless devices).

Specifications

Model Number	Remote Sensor
Product Dimensions	2.44 x 1.69 x 0.5 inches
Item Weight	2.4 ounces (0.15 Pounds)
Power Source	2 x AA Batteries (not included)
Connectivity Technology	Wireless
Transmission Range	Up to 200ft/60m (open area)
Display Data	Temperature (°C or °F), Humidity (%RH)
Manufacturer	YZDTECH

Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the official YZDTECH website or the product packaging. You may also contact the retailer from whom you purchased the product for assistance.