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## Urageuxy WS0170

# Urageuxy WS0170 Wireless Indoor Outdoor Thermometer with 3 Sensors User Manual

Model: WS0170

## 1. INTRODUCTION

Thank you for choosing the Urageuxy WS0170 Wireless Indoor Outdoor Thermometer. This device provides real-time indoor and outdoor temperature and humidity readings, along with comfort level indicators and historical data. With three remote sensors, you can monitor conditions in multiple areas of your home or property. This manual will guide you through the setup, operation, and maintenance of your new weather station.

## 2. PACKAGE CONTENTS

Please verify that all components are present:

- 1 x Indoor Outdoor Thermometer Console (Main Unit)
- 3 x Remote Sensors
- 1 x User Manual



Image 2.1: Main display unit and three wireless remote sensors.

The package includes the central display console and three individual remote sensors, ready for deployment in various locations.

### 3. PRODUCT FEATURES

- **Multi-functional Display:** Real-time indoor and outdoor temperature and humidity.
- **Wireless Remote Sensors:** Three sensors with a transmitting range of up to 328 feet (100 meters) in open areas.
- **Wide Measuring Range:**
  - Indoor Temperature: 32°F to 140°F (0°C to 60°C)
  - Outdoor Temperature: -40°F to 140°F (-40°C to 60°C)
  - Humidity: 10% to 99%
- **Accuracy:** Temperature  $\pm 2^{\circ}\text{F}$  ( $\pm 1^{\circ}\text{C}$ ), Humidity  $\pm 5\%$ .
- **Air Comfort Indicator:** Displays icons (DRY, COM, WET) based on humidity levels.

- **Max/Min Record:** Daily maximum and minimum temperature and humidity values.
- **Backlight Function:** Touch-activated backlight for easy viewing in low light conditions.
- **°C/°F Switcher:** Easily switch between Celsius and Fahrenheit.
- **Wall-Mounted or Tabletop:** Main unit features a tabletop stand and wall-mount option.



Image 3.1: Overview of the weather station's key features including thermometer, hygrometer, multi-channel support, and backlight.

The display unit offers a comprehensive view of environmental data, supported by multiple sensors and user-friendly functions.

## 4. SETUP

### 4.1 Battery Installation

#### Main Unit:

1. Open the battery compartment cover on the back of the main unit.
2. Insert 3 x AAA batteries (not included) according to the polarity markings (+/-).
3. Close the battery compartment cover.

#### Remote Sensors:

1. Open the battery compartment cover on the back of each remote sensor.
2. Insert 2 x AAA batteries (not included) according to the polarity markings (+/-).
3. Before closing, select a channel (1, 2, or 3) for each sensor using the small switch inside the compartment. Ensure each sensor uses a unique channel.
4. Close the battery compartment cover.

## POWER MODE



Image 4.1: Illustration of battery compartments for the main unit (3x AAA) and remote sensors (2x AAA).

Ensure correct battery polarity during installation. Each remote sensor must be assigned a distinct channel (1, 2, or 3) for proper communication with the main unit.

### 4.2 Initial Synchronization

After installing batteries in both the main unit and sensors, the main unit will automatically search for and connect to the remote sensors. This process may take a few minutes. Ensure sensors are within range during initial setup.

### 4.3 Placement Recommendations

**Main Unit:** Place the main unit indoors in a central location, away from direct sunlight, heat sources, or drafts that could affect its readings. It can be placed on a tabletop using its integrated stand or mounted on a wall.

#### Remote Sensors:

- Place sensors in desired monitoring locations (e.g., bedroom, kitchen, greenhouse, garage, nursery, patio, attic).
- For outdoor sensors, install them in a well-protected area to prevent prolonged exposure to direct rain and sunlight. While the sensors are designed to be weather-resistant, extreme conditions can impact accuracy and lifespan.
- Ensure sensors are within the 328 feet (100 meters) transmission range of the main unit, minimizing obstructions like thick walls or large metal objects.

# Comfort Indicator Assisting you in making healthier lifestyle choices

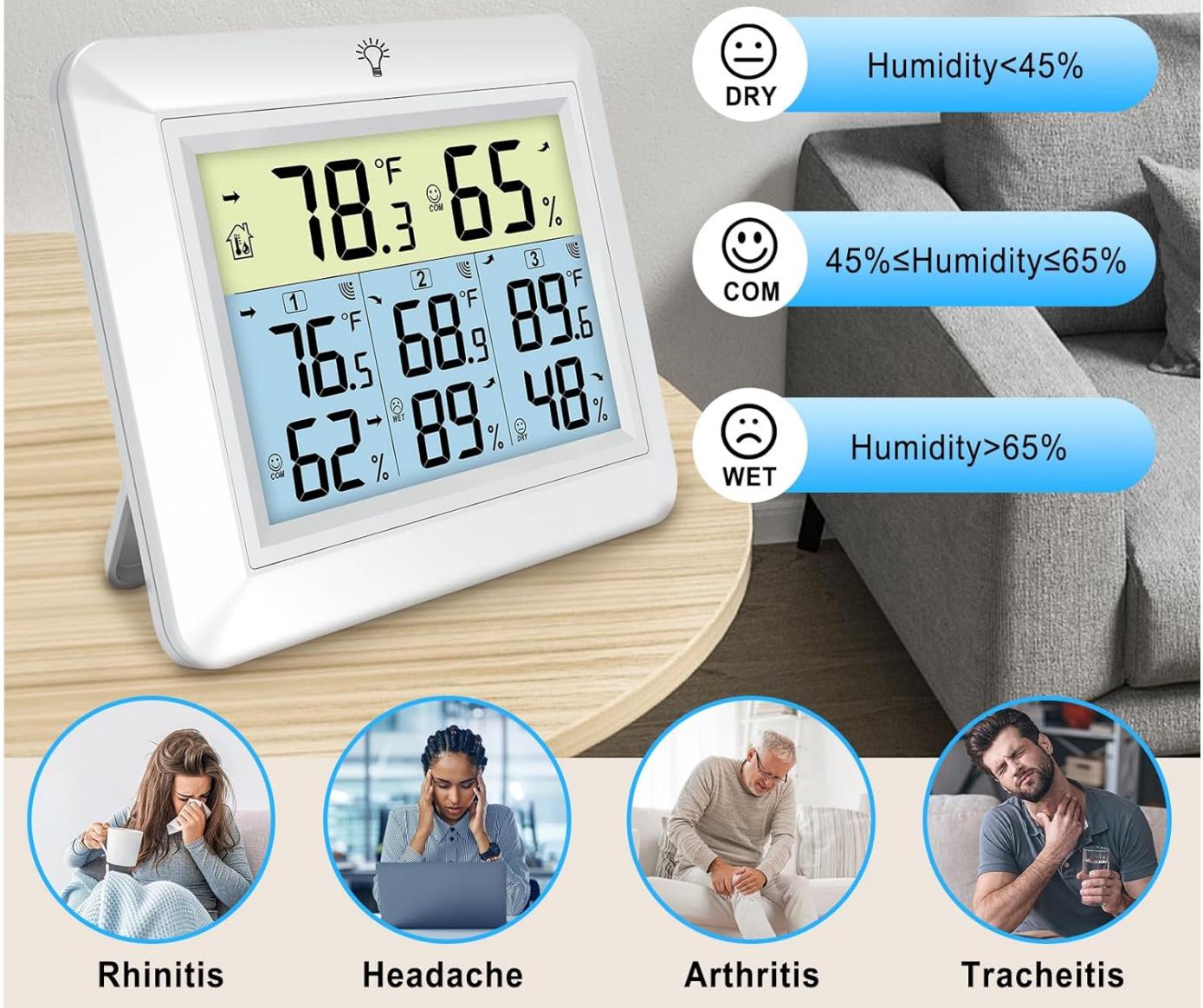


Image 4.2: Example placements for remote sensors in a baby room (CH1), bedroom (CH2), and patio (CH3).

The three remote sensors allow for monitoring of temperature and humidity in various indoor and outdoor environments, such as a nursery, bedroom, or patio.

# 328FT/100M Transmission Range in Open Area



Image 4.3: Depiction of the 328ft/100m transmission range in open areas, showing sensor placement examples near a door, in an office, and a bedroom.

The wireless sensors offer a substantial transmission range, enabling flexible placement throughout your home or garden.

## 5. OPERATING INSTRUCTIONS

### 5.1 Display Overview

The main unit's LCD displays indoor temperature and humidity at the top, and readings from the three remote sensors (CH1, CH2, CH3) below. Each channel shows temperature, humidity, and a comfort indicator.

### 5.2 °C/°F Temperature Unit Switch

On the back of the main unit, locate the °C/°F button. Press this button to toggle between Celsius and Fahrenheit temperature displays.

# LARGE BACKLIGHT LCD SCREEN

Touch the backlight button for 5 seconds, the backlight is always on for 30 minutes



Image 5.1: Rear view of the main unit, highlighting the °C/°F switcher, MIN/MAX switcher, CHANNEL switcher, battery compartment, wall mount, and tabletop stand.

The back of the main unit provides access to control buttons for unit conversion, channel selection, and viewing historical data.

## 5.3 Channel Switching

On the back of the main unit, locate the **CHANNEL** button. Press this button to cycle through the display of remote sensor channels (CH1, CH2, CH3). The display can show one channel at a time or cycle through all three automatically.

## 5.4 Air Comfort Indicator

The main unit displays comfort icons to indicate the current humidity level:

- **DRY** (smiley face with frown): Humidity < 45%
- **COM** (neutral smiley face): 45% ≤ Humidity ≤ 65%
- **WET** (smiley face with sweat drop): Humidity > 65%

These indicators help you assess the indoor environment and make adjustments for optimal comfort and health.

## 3 COMFORT INDICATOR

-  DRY      Humidity<45%
-  COM      45%≤Humidity≤65%
-  WET      Humidity>65%



Image 5.2: Explanation of the three comfort indicators (DRY, COM, WET) and their corresponding humidity ranges.

The comfort indicators provide a quick visual reference for the current humidity conditions, aiding in maintaining a healthy living environment.

### 5.5 Max/Min Record Function

The main unit records the daily maximum and minimum temperature and humidity values for both indoor and each remote sensor. To view these records, press the **MIN/MAX** button on the back of the main unit.

- Press once to display maximum values.
- Press again to display minimum values.
- Press a third time to return to current readings.

The maximum and minimum values are automatically reset 12 hours after the first battery installation and then every 24 hours thereafter.



Image 5.3: A graph illustrating the daily maximum and minimum temperature and humidity records for indoor and remote channels.

The device tracks and displays the highest and lowest temperature and humidity readings over a 24-hour period, providing valuable trend data.

## 5.6 Backlight Function

The main unit features a backlight for improved visibility in low light conditions.

- Touch the light icon (bulb symbol) on the top of the main unit once to activate the backlight for 5 seconds.
- Touch and hold the light icon for 5 seconds to keep the backlight on continuously for 30 minutes.

# LCD SCREEN WITH BACKLIGHT FOR EASY VIEWING

Press and hold for more than 5 seconds to keep the backlight on for 30 minutes

Light up for 5S



Image 5.4: Comparison of the display with and without backlight, demonstrating enhanced readability in dark environments.

The backlight ensures that the display is easily readable at any time of day or night.

## 6. MAINTENANCE

- Cleaning:** Wipe the main unit and sensors with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Battery Replacement:** Replace batteries in both the main unit and sensors when the low battery indicator appears on the display. Always replace all batteries in a unit at the same time.
- Storage:** If storing the device for an extended period, remove all batteries to prevent leakage.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit.	Batteries are dead or incorrectly installed.	Replace with new AAA batteries, ensuring correct polarity.
Remote sensor reading not displayed or inaccurate.	Sensor batteries are dead. Sensor is out of range. Interference from other electronic devices. Sensor channel not matched or unique.	Replace sensor batteries. Move sensor closer to the main unit. Relocate sensor or main unit away from interference sources. Ensure each sensor has a unique channel (1, 2, or 3) and the main unit is set to scan or display the correct channel.
Inconsistent readings between sensors.	Sensors are exposed to different environmental conditions (direct sunlight, drafts, heat sources).	Ensure sensors are placed in similar, protected environments for comparative readings. Avoid direct exposure to extreme elements.
Backlight not working.	Low batteries or incorrect operation.	Replace main unit batteries. Ensure you are touching the light icon correctly.

## 8. SPECIFICATIONS

- Model:** WS0170
- Indoor Temperature Range:** 32°F to 140°F (0°C to 60°C)

- **Outdoor Temperature Range:** -40°F to 140°F (-40°C to 60°C)
- **Humidity Range:** 10% to 99% RH
- **Temperature Accuracy:**  $\pm 1^\circ\text{C}$  ( $\pm 2^\circ\text{F}$ )
- **Humidity Accuracy:**  $\pm 5\%$  RH
- **Wireless Transmission Range:** Up to 328 feet (100 meters) in open areas
- **Power Source (Main Unit):** 3 x AAA batteries (not included)
- **Power Source (Remote Sensors):** 2 x AAA batteries (not included) per sensor
- **Material:** Acrylonitrile Butadiene Styrene (ABS)
- **Display Type:** LCD



Image 8.1: Dimensions of the main display unit and a remote sensor.

The image provides a visual representation of the physical dimensions of both the main unit and the remote sensors.

## 9. WARRANTY AND SUPPORT

Urageuxy products are designed for reliability and performance. For any questions, technical support, or warranty inquiries, please contact Urageuxy customer service through the retailer where the product was purchased or visit the official Urageuxy brand store online. Please retain your proof of purchase for warranty claims.

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