

U UNNI UN0581

U UNNI Indoor Outdoor Thermometer Hygrometer Wireless Weather Station User Manual

Your guide to accurate temperature and humidity monitoring.

1. SETUP

1.1 Battery Installation

The U UNNI Wireless Weather Station requires batteries for both the main display unit and the remote sensor. Ensure you have the correct battery types before beginning installation.

- **Main Display Unit:** Requires 3 x AAA batteries (not included).
- **Remote Sensor:** Requires 2 x AA batteries (not included).

To install, open the battery compartments on the back of each unit, insert batteries according to polarity markings, and close the covers securely.



Figure 1: Battery installation for the main unit and remote sensor.

1.2 Unit Pairing and Synchronization

The main display unit and remote sensor are designed to pair automatically upon battery installation. Allow a few moments for the units to establish a connection. The remote sensor updates and transmits data every 30 seconds.



Figure 2: Wireless transmission range of up to 330 feet.

1.3 Placement Guidelines

Optimal placement ensures accurate readings and reliable performance.

- **Main Display Unit:** Can be placed on a tabletop using its integrated kickstand or mounted on a wall using the hang hole. Choose a location indoors that is easily visible.
- **Remote Sensor:** For the most accurate outdoor temperature and humidity readings, place the remote sensor in a shaded area, away from direct sunlight and heat sources (like vents or appliances). While the sensor has an IPX4 waterproof rating, it is recommended to cover it in a shaded, protected spot to extend its lifespan and accuracy.

FOLDING KICKSTAND FOR PLACEMENT ANYWHERE
CLEVERLY-DESIGNED HANG HOLE FOR WALL PLACEMENT



Figure 3: Main unit placement options: tabletop or wall-mounted.



Figure 4: Recommended outdoor sensor placement for optimal accuracy and longevity.

2. OPERATING INSTRUCTIONS

2.1 Display Overview

The large, clear LCD display provides comprehensive environmental data at a glance:

- **Outdoor Section:** Displays current outdoor temperature and humidity, along with a weather forecast icon.
- **Outdoor Index:** Shows either Heat Index, Dew Point, or Mold Index.
- **Indoor Section:** Displays current indoor temperature and humidity.

PROFESSIONAL INDOOR & OUTDOOR TEMPERATURE AND HUMIDITY MONITOR

1. OUTDOOR TEMPERATURE & HUMIDITY
2. WEATHER FORECAST
3. OUTDOOR INDEX
4. INDOOR TEMPERATURE & HUMIDITY
5. TREND
6. WATERPROOF: IPX4

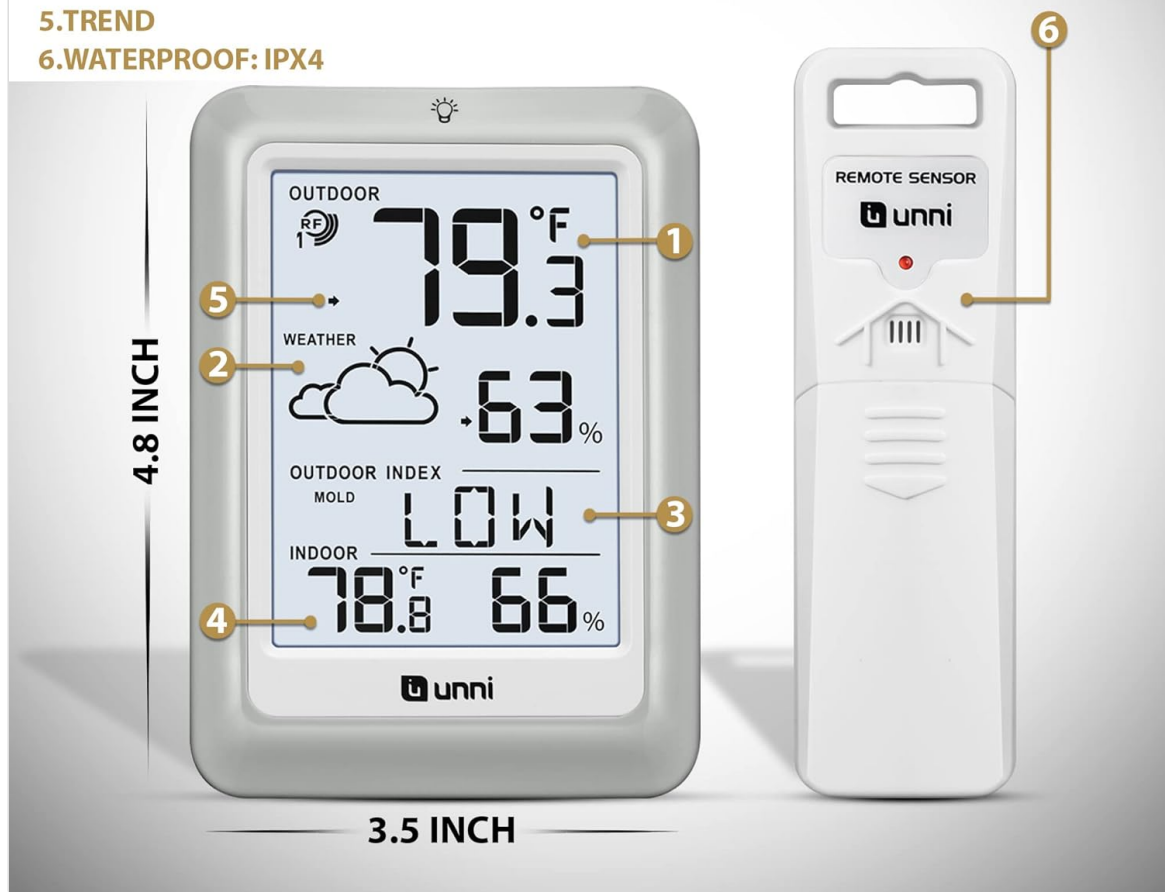


Figure 5: Key display areas of the weather station.

2.2 Changing Temperature Units (°F/°C)

To switch between Fahrenheit (°F) and Celsius (°C), you must do so during the initial battery installation or immediately after resetting the unit. While the display is flashing (shortly after inserting batteries), press the "INDEX" button on the back of the main unit once. The unit will automatically switch to the desired temperature scale after a few seconds.

2.3 Outdoor Index (Heat, Dew Point, Mold)

The Outdoor Index section provides valuable environmental insights. By default, it displays the Mold Index. To cycle through Heat Index, Dew Point, and Mold Index, press the "INDEX" button located on the back of the main display unit.

- **Heat Index:** Indicates how hot it feels when relative humidity is factored in. Take caution when the Heat Index is above 91°F (32°C) to reduce risk of heat exhaustion and heat stroke.
- **Dew Point:** The temperature at which air becomes saturated with water vapor and dew begins to form. Useful for monitoring dampness.
- **Mold Index:** Indicates the likelihood of mold and mildew growth, which happens more rapidly in damp environments where humidity is above 60%.

DETECT SUBTLE CHANGES **HIGH-PRECISION**

Temperature accuracy: $\pm 0.5^{\circ}\text{F}$

Humidity accuracy: $\pm 2\%$

Outdoor temperature range: $-58^{\circ}\text{F} \sim 158^{\circ}\text{F}$

Outdoor humidity range: $1 \sim 99\%$

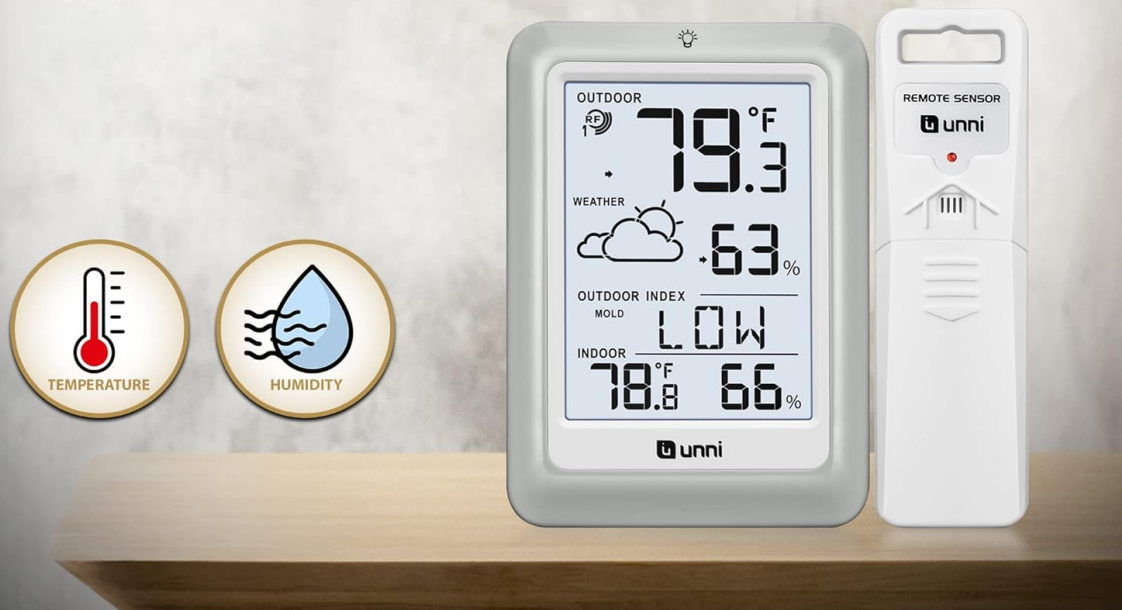


Figure 9: High-precision sensor details.

4. MAINTENANCE

4.1 Battery Replacement

Replace batteries in both the main unit and remote sensor when the low battery indicator appears on the display. Refer to Section 1.1 for battery types and installation instructions.

4.2 Cleaning

Wipe the units clean with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

4.3 Outdoor Sensor Protection

Although the remote sensor has an IPX4 waterproof rating, prolonged exposure to direct sunlight, extreme temperatures, or heavy rain can affect its accuracy and lifespan. For best results, place the sensor in a protected, shaded location.

5. TROUBLESHOOTING

- **No Reading from Remote Sensor:** Ensure batteries are correctly installed in both units. Check that the remote sensor is within the 330ft transmission range and on the correct channel. Avoid major obstructions between units.
- **Inaccurate Outdoor Reading:** Verify the remote sensor is not in direct sunlight or near any heat sources. Relocate if necessary.
- **Temperature Unit Not Changing:** The °F/°C switch can only be performed when the display is flashing, typically right after battery installation or a unit reset.

6. SPECIFICATIONS

Brand	U UNNI
Model Number	UN0581
Product Dimensions	5.71 x 1.38 x 5.71 inches
Item Weight	1.87 pounds
Indoor Temperature Range	+14.2°F to +122°F
Outdoor Temperature Range	-58°F to +158°F
Indoor/Outdoor Humidity Range	1% to 99%
Temperature Accuracy	+/-0.5°F
Humidity Accuracy	+/-2%
Connectivity Technology	Wireless
Power Source (Main Unit)	3 x AAA batteries (not included)
Power Source (Remote Sensor)	2 x AA batteries (not included)
Included Components	1 x Hygrometer, 1 x User Manual, 1 x Remote Sensor

7. WARRANTY AND SUPPORT

Your U UNNI Wireless Weather Station comes with a one-year warranty (excluding batteries).

For any questions, concerns, or support needs, please contact U UNNI customer service:

- **Email:** unni_technology@hotmail.com

You can also refer to the full user manual for more detailed information [Download User Manual \(PDF\)](#)

