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› La Crosse Technology WS-9047U-IT Wireless Weather Station User Manual

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La Crosse Technology WS-9047U-IT Wireless Weather Station User Manual

Model: WS-9047U-IT (ID8214)

1. INTRODUCTION

Thank you for purchasing the La Crosse Technology WS-9047U-IT Wireless Weather Station. This device provides accurate indoor and outdoor temperature and humidity readings, a barometric pressure graph, and a weather forecast to help you stay informed about your local environment. This manual will guide you through the setup, operation, and maintenance of your weather station.

2. FEATURES

- Wireless outdoor temperature and humidity reception.
- Indoor temperature and humidity display.
- Barometric pressure history graph (last 24 hours).
- Weather forecast icons (sunny, partly cloudy, cloudy, rainy).
- Atomic time and date with manual setting option.
- Alarm with snooze function.
- Temperature display in Fahrenheit (°F).
- Humidity display in percentage (%RH).
- Pressure display in inches of Mercury (inHg).

3. PACKAGE CONTENTS

Please ensure all components are present before proceeding with setup:

- 1 x WS-9047U-IT Main Display Unit
- 1 x Wireless Outdoor Temperature/Humidity Sensor
- 1 x User Manual (this document)

Note: Batteries are not included and must be purchased separately. The main unit requires 2 'C' batteries, and the outdoor sensor typically requires 2 'AA' batteries (refer to sensor compartment for confirmation).

4. SETUP

4.1 Battery Installation

1. **Outdoor Sensor:** Open the battery compartment on the wireless outdoor sensor. Insert the required 'AA' batteries, observing the correct polarity (+/-). Close the compartment securely.
2. **Main Display Unit:** Open the battery compartment on the back of the main display unit. Insert 2 'C' batteries, observing the correct polarity (+/-). Close the compartment securely. The display will power on and begin searching for the outdoor sensor and the WWVB atomic time signal.

4.2 Sensor Placement

For accurate readings, place the outdoor sensor in a shaded, dry location, protected from direct sunlight and precipitation. Ensure it is within the wireless range of the main display unit (typically up to 100 meters in open air) and away from large metal objects or electrical interference sources.

4.3 Synchronization

After battery installation, the main unit will automatically attempt to connect with the outdoor sensor. This process may take a few minutes. Once connected, the outdoor temperature and humidity will appear on the display. If the outdoor readings do not appear, refer to the Troubleshooting section.

4.4 Initial Settings (Time Zone, Units)

The weather station will attempt to receive the WWVB atomic time signal. If successful, the time and date will set automatically. If manual adjustment is needed or to set your time zone:

- Press the **SET** button to enter time setting mode.
- Use the **IN** or **OUT/+** buttons to adjust values.
- Press **SET** again to confirm and move to the next setting (e.g., time zone, 12/24 hour format, year, month, date).
- To switch between Fahrenheit and Celsius (if available), or other units, consult the specific button labeled for unit selection (e.g., a dedicated °F/°C button or a combination with **SET**). This model primarily displays in Fahrenheit and inHg.

5. OPERATING INSTRUCTIONS

5.1 Display Overview

The main display unit presents various data points. Refer to the image below for a visual guide to the display segments:



Image 1: Front display of the La Crosse Technology WS-9047U-IT Wireless Weather Station. It shows the current time (12:34 PM), date (50.10), indoor temperature (73.5°F) and humidity (58% RH), a weather forecast icon (partly cloudy), a pressure history graph, current relative pressure (29.31 inHg), and outdoor temperature (50.3°F) and humidity (49% RH). Control buttons for SET, IN, SNOOZE/CH, ALM/DATE, and OUT/+ are visible at the bottom.

- **TIME / DATE:** Displays current time (PM indicator) and date. The WWVB icon indicates atomic clock reception.
- **INDOOR:** Shows current indoor temperature and humidity.
- **FORECAST:** Icons predict upcoming weather conditions based on barometric pressure changes.
- **PRESSURE HISTORY:** A bar graph showing pressure trends over the last 24 hours (-24h, -18h, -12h, -9h, -6h, -3h, 0h).
- **PRESSURE:** Displays the current relative barometric pressure in inHg.
- **OUTDOOR:** Shows current outdoor temperature and humidity received from the wireless sensor. The '2' indicates the sensor channel.

5.2 Button Functions

- **SET:** Enters setting mode for time, date, and other parameters. Confirms selections.
- **IN:** Used to adjust values upwards in setting mode. May also display indoor min/max readings.
- **SNOOZE / CH:** Activates snooze during an alarm. In normal mode, cycles through outdoor sensor channels

(if multiple sensors are used).

- **ALM / DATE:** Displays alarm time. Enters alarm setting mode. In normal mode, may toggle between date and day of week display.
- **OUT / +:** Used to adjust values downwards in setting mode. May also display outdoor min/max readings.

5.3 Alarm and Snooze

To set the alarm, press and hold the **ALM/DATE** button. Use **IN** or **OUT/+** to adjust the alarm time. Press **ALM/DATE** to confirm. When the alarm sounds, press **SNOOZE/CH** to activate the snooze function, which will temporarily silence the alarm for a few minutes before it sounds again. To turn off the alarm, press any other button.

6. MAINTENANCE

- **Battery Replacement:** Replace batteries in both the main unit and outdoor sensor when the low battery indicator appears on the display. Always replace all batteries at the same time.
- **Cleaning:** Clean the display unit and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Sensor Care:** Periodically check the outdoor sensor for debris or insect nests that might obstruct ventilation and affect readings. Ensure the battery compartment remains sealed to prevent moisture ingress.

7. TROUBLESHOOTING

Problem	Solution
No outdoor temperature/humidity reading.	<ul style="list-style-type: none">• Ensure batteries are correctly installed in both units.• Press the SNOOZE/CH button on the main unit to cycle through channels.• Bring the sensor closer to the main unit to check for range issues.• Remove batteries from both units, wait 1 minute, then reinsert batteries into the sensor first, then the main unit.
Incorrect time display.	<ul style="list-style-type: none">• Ensure the main unit is in an area with good reception for the WWVB atomic clock signal.• Manually set the time and date using the SET button.• Verify the correct time zone is selected.
Inaccurate temperature/humidity readings.	<ul style="list-style-type: none">• Ensure the outdoor sensor is not in direct sunlight or near heat sources.• Verify the sensor is protected from rain and moisture.• Replace batteries in both units.

8. SPECIFICATIONS

- **Brand:** La Crosse Technology
- **Model:** WS-9047U-IT (ID8214)
- **Power Source:** Battery Powered
- **Main Unit Batteries:** 2 x 'C' batteries (not included)

- **Outdoor Sensor Batteries:** Typically 2 x 'AA' batteries (not included)
- **Connectivity Technology:** Wireless (for sensor data), Wi-Fi (as per product specifications, though primary function is local wireless sensor communication)
- **Indoor Temperature Range:** Not specified, typically 0°C to 50°C (32°F to 122°F)
- **Outdoor Temperature Range:** Not specified, typically -40°C to 60°C (-40°F to 140°F)
- **Humidity Range:** Not specified, typically 10% to 99% RH
- **Pressure Units:** inHg
- **Dimensions (Main Unit):** Approximately 0.51 x 19.05 x 19.05 cm (0.2 x 7.5 x 7.5 inches)
- **Item Weight:** Approximately 771 g (1.7 lbs)

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact La Crosse Technology customer support directly. Support contact details are typically available on the manufacturer's official website.

Manufacturer: La Crosse Technology

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