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- › [La Crosse Technology](#) /
- › [La Crosse Technology Weather Station and Digital Thermometer User Manual](#)

La Crosse Technology C85845-INT, WS-9160U-IT

La Crosse Technology Weather Station & Digital Thermometer User Manual

Models: C85845-INT, WS-9160U-IT

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your La Crosse Technology C85845-INT Weather Station and WS-9160U-IT Digital Thermometer. Please read this manual thoroughly before use to ensure proper functionality and longevity of your devices.



Image: The La Crosse Technology C85845-INT Weather Station (left) features a full-color display showing outdoor and indoor temperature/humidity, forecast, and time. The WS-9160U-IT Digital Thermometer (right) has a monochrome LCD showing indoor and outdoor temperatures, time, and humidity.

PRODUCT FEATURES

La Crosse Technology C85845-INT Weather Station

- Full color display for easy readability.
- Displays current outdoor and indoor temperatures and humidity.
- Dynamic forecast icons with tendency arrows (sunny, rainy, snowy).
- Accurate, self-setting atomic time and date with automatic Daylight Saving Time (DST) updates.
- Records minimum and maximum temperature and humidity values.
- Customizable alerts for high/low temperatures and humidity.
- Displays heat index and dew point.
- Comfort level color bar indicator.
- Adjustable backlight.

- Low battery indicator and signal reception strength indicator.
- Transmission Range: Up to 300 ft.

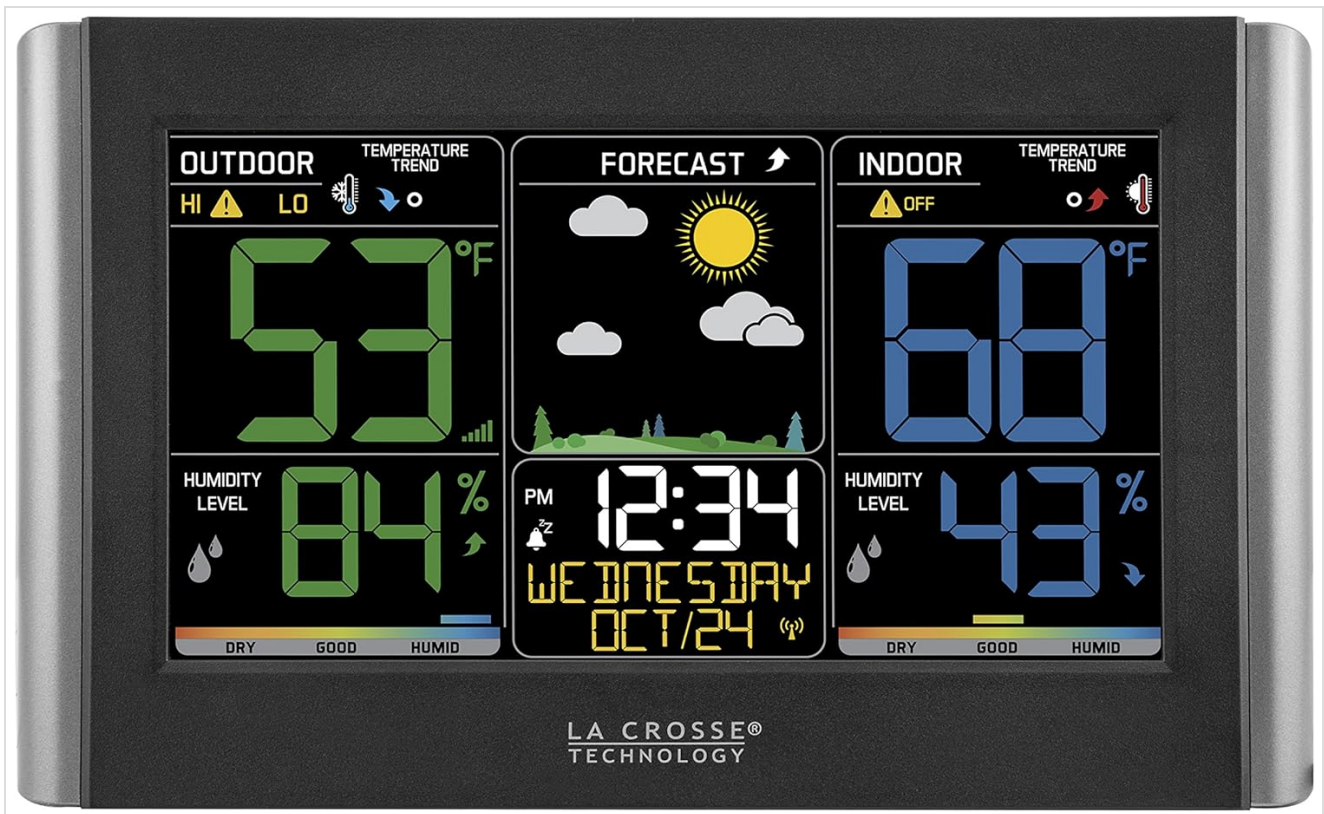


Image: The C85845-INT Weather Station's vibrant display showing outdoor temperature (53°F), humidity (84%), indoor temperature (68°F), humidity (43%), and a sunny forecast with current time and date.



Image: The C85845-INT Weather Station's display indicating a rainy forecast with clouds and raindrops, alongside current temperature and humidity readings.

La Crosse Technology WS-9160U-IT Digital Thermometer

- Extra-large, easy-to-read digits on a compact display.
- Monitors indoor and outdoor temperature (Fahrenheit or Celsius).
- Monitors indoor humidity (%RH).
- Records MIN/MAX temperature records with time and date stamp.
- 12/24 hour manual set time.
- Customizable calendar view: full weekday or abbreviated weekday with month and date.
- Wall mountable or table standing design.
- Indicates sensor strength and low battery for both indoor station and outdoor sensor.
- Can receive data from up to 3 temperature and/or humidity sensors (TX141TH-BCHv3 only) and TX145R rain sensor (sold separately).
- Fast, accurate readings with up to 330 ft transmitting range.





Image: The WS-9160U-IT Digital Thermometer displaying indoor temperature (72.6°F) and outdoor temperature (43.2°F), along with the current time and day.



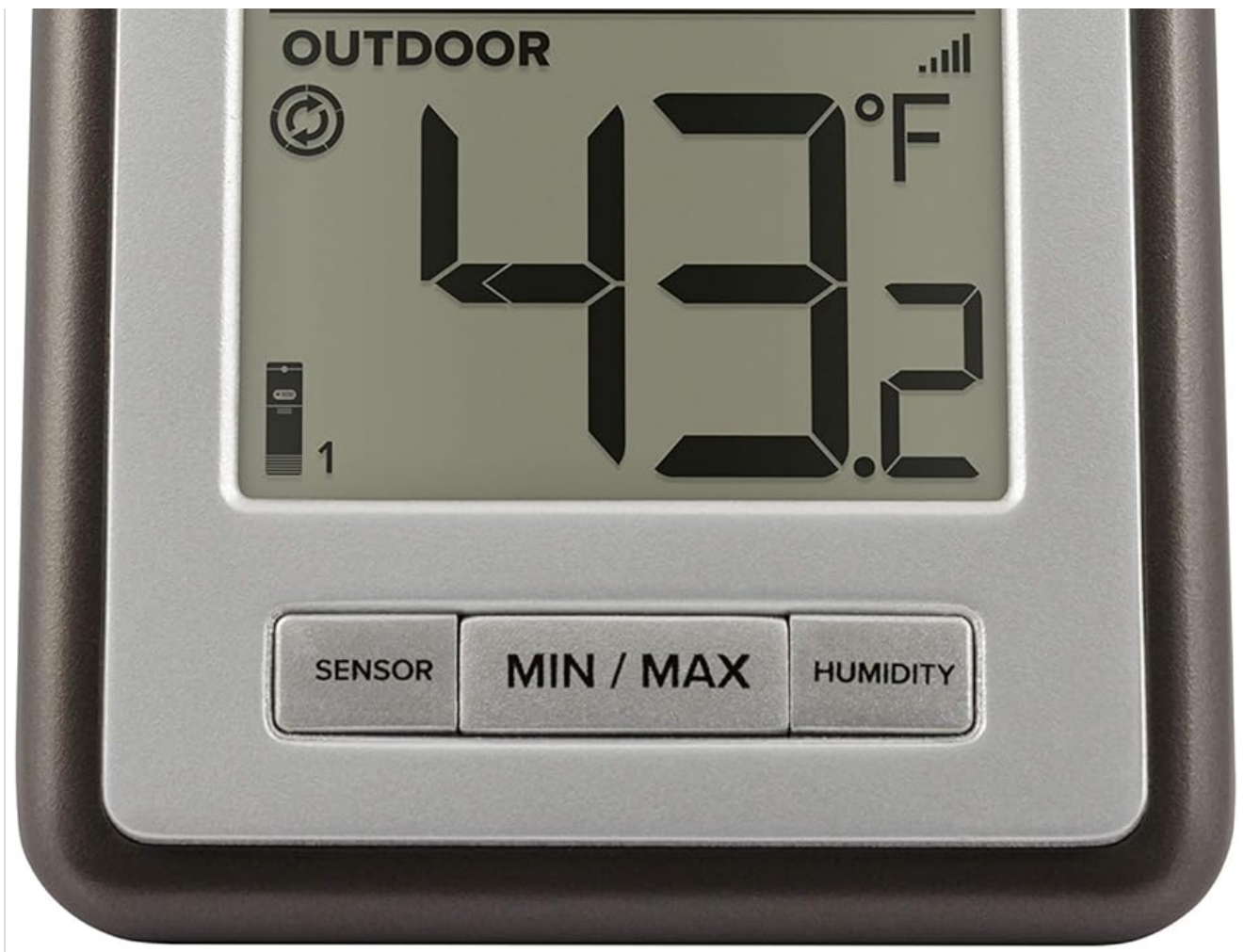


Image: The WS-9160U-IT Digital Thermometer displaying indoor humidity (48%) and outdoor temperature (43.2°F), along with the current time and day.

SETUP GUIDE

Initial Setup for C85845-INT Weather Station

1. **Power Up:** Insert 3 "AAA" alkaline batteries (not included) into the main display unit. Observe the full LCD segment display for a few seconds.
2. **Sensor Batteries:** Insert 2 "AA" alkaline batteries (not included) into the outdoor temperature sensor (TX141-Bv3). Ensure correct polarity.
3. **Sensor Placement:** Place the outdoor sensor in a shaded, dry location, away from direct sunlight and heat sources, to ensure accurate readings. The transmission range is up to 300 ft.
4. **Atomic Time Sync:** The weather station will automatically attempt to synchronize with the atomic time signal. This may take several minutes or hours. Ensure the unit is placed near a window for better reception.
5. **Manual Settings:** If atomic time does not sync, you can manually set the time, date, and other preferences using the buttons on the top of the unit (ALERTS, ALARM, TEMP, SNOOZE/BACKLIGHT, SET, +, -). Refer to the detailed manual for specific button functions.



Image: Top view of the C85845-INT Weather Station, highlighting the control buttons for alerts, alarm, temperature settings, snooze/backlight, set, and adjustment buttons.

Initial Setup for WS-9160U-IT Digital Thermometer

1. **Power Up:** Insert 2 "AA" alkaline batteries (not included) into the main display unit.
2. **Sensor Batteries:** The outdoor sensor (TX141-Bv3) for this unit also requires 2 "AA" alkaline batteries (not included).
3. **Sensor Placement:** Position the outdoor sensor in a location that is protected from direct sunlight and precipitation, ideally within 330 ft (100m) of the main unit.
4. **Manual Time/Date:** Use the buttons (SENSOR, MIN/MAX, HUMIDITY) on the front of the unit to set the 12/24 hour time and customize the calendar view.



Image: The WS-9160U-IT Digital Thermometer viewed from an angle, showing its compact design and the buttons at the bottom of the display.

OPERATING INSTRUCTIONS

C85845-INT Weather Station Operation

- **Temperature/Humidity Display:** The main screen continuously displays outdoor and indoor temperature and humidity.
- **Forecast:** The forecast icons update based on atmospheric pressure changes.
- **Min/Max Records:** Press the **TEMP** button to cycle through minimum and maximum temperature and humidity records.
- **Alerts:** Use the **ALERTS** button to set custom high/low temperature and humidity alerts. An audible alarm will sound when conditions exceed or fall below set thresholds.
- **Backlight:** Press the **SNOOZE/BACKLIGHT** button to adjust the display's backlight brightness.

WS-9160U-IT Digital Thermometer Operation

- **Temperature/Humidity Display:** The large LCD shows indoor and outdoor temperatures. Press the **HUMIDITY** button to toggle the display of indoor humidity.
- **Min/Max Records:** Press the **MIN/MAX** button to view the recorded minimum and maximum temperatures and humidity. Press again to clear records.
- **Sensor Selection:** If using multiple outdoor sensors, press the **SENSOR** button to cycle through the sensor channels.
- **Fahrenheit/Celsius:** A switch or button (refer to specific unit) allows toggling between Fahrenheit and Celsius temperature display.

MAINTENANCE

- **Battery Replacement:** Replace batteries in both the main units and outdoor sensors when the low battery indicator appears on the display. Use fresh alkaline batteries.
- **Cleaning:** Clean the display units and sensors with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Sensor Protection:** Ensure outdoor sensors are protected from extreme weather conditions, such as heavy rain or direct prolonged sunlight, to prolong their lifespan and accuracy.
- **Signal Interference:** If experiencing signal loss, try relocating the outdoor sensor or the main display unit to minimize interference from other electronic devices or large metal objects.

TROUBLESHOOTING

Problem	Solution
No display on main unit.	Check battery polarity. Replace with fresh batteries. Ensure batteries are properly seated.
Outdoor temperature/humidity not displaying or inaccurate.	Ensure outdoor sensor batteries are fresh and correctly inserted. Relocate sensor closer to the main unit. Check for obstructions between sensor and main unit. Reset both units by removing batteries, waiting 1 minute, then reinserting.
Atomic time not syncing.	Place the unit near a window, away from electronics that may cause interference. Allow up to 24 hours for sync. Manually set time if necessary.

Problem	Solution
Inconsistent readings.	Ensure sensors are not in direct sunlight or near heat/cold sources. Verify proper ventilation around sensors.

SPECIFICATIONS

La Crosse Technology C85845-INT Weather Station

- **Display Type:** Full Color LCD
- **Power Source:** Battery Powered (3 "AAA" for display, 2 "AA" for sensor)
- **Product Dimensions:** 5.12"D x 0.79"W x 5"H (Display Unit)
- **Sensor Dimensions:** 1.57" L x 0.79" W x 5.12" H (TX141-Bv3)
- **Temperature Range:** Indoor: 32°F to 122°F (0°C to 50°C); Outdoor: -40°F to 140°F (-40°C to 60°C)
- **Humidity Range:** 10% to 99% RH
- **Transmission Range:** Up to 300 ft (91 meters) in open air
- **Connectivity:** Wireless (RF)



Image: Diagram showing the dimensions of the C85845-INT Weather Station display unit: 5.12 inches deep, 0.79 inches wide, and 5 inches high.

La Crosse Technology WS-9160U-IT Digital Thermometer

- **Display Type:** LCD
- **Power Source:** Battery Powered (2 "AA" for display, 2 "AA" for sensor)
- **Temperature Range:** Indoor: 32°F to 122°F (0°C to 50°C); Outdoor: -40°F to 140°F (-40°C to 60°C)
- **Humidity Range:** 10% to 99% RH (Indoor)
- **Transmission Range:** Up to 330 ft (100 meters) in open air

- **Connectivity:** Wireless (RF)

WARRANTY AND SUPPORT

La Crosse Technology products typically come with a 1-year limited warranty from the date of purchase, covering manufacturing defects. For detailed warranty information, product registration, or technical support, please visit the official La Crosse Technology website or contact their customer service.

Online Resources: www.lacrossetechnology.com

User Manual (PDF): A downloadable PDF version of the user manual may be available for more detailed instructions. Please check the product support page on the manufacturer's website or the link provided on the product listing: [Download PDF Manual](#)