Manuals+ — User Manuals Simplified.

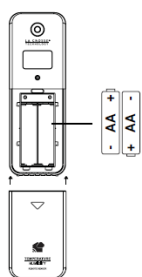# LA CROSSE TECHNOLOGY LTV-R3V2 Rain Sensor User Guide

Contents

LA CROSSE TECHNOLOGY LTV-R3V2 Rain Sensor

POWER UP SENSORS AND STATIONS

SENSORS
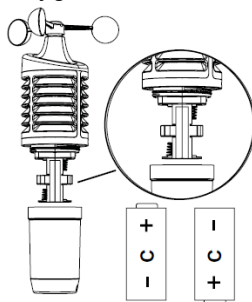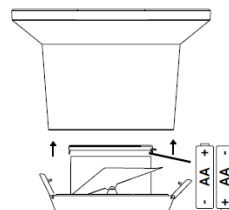In any order, insert batteries into your Thermo-Hygro, Wind, and Rain Sensors.

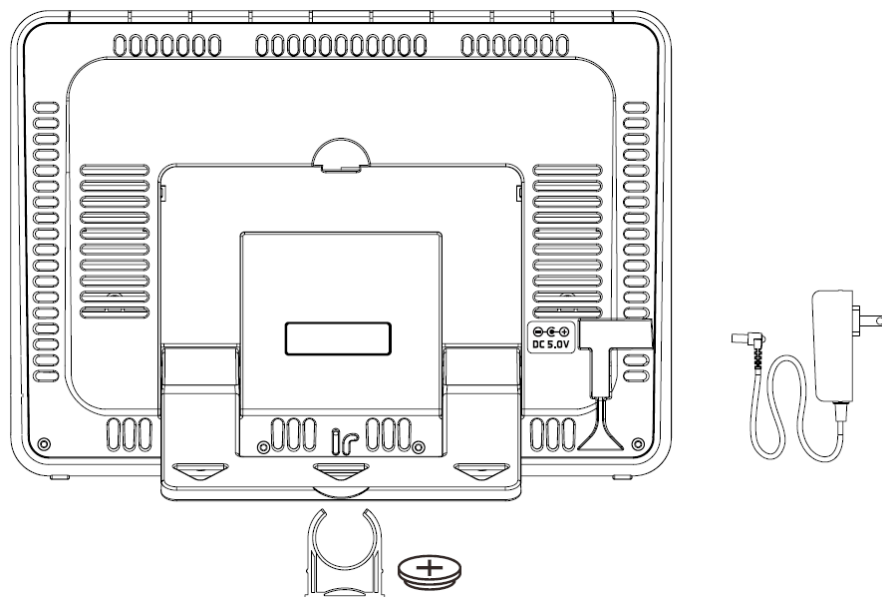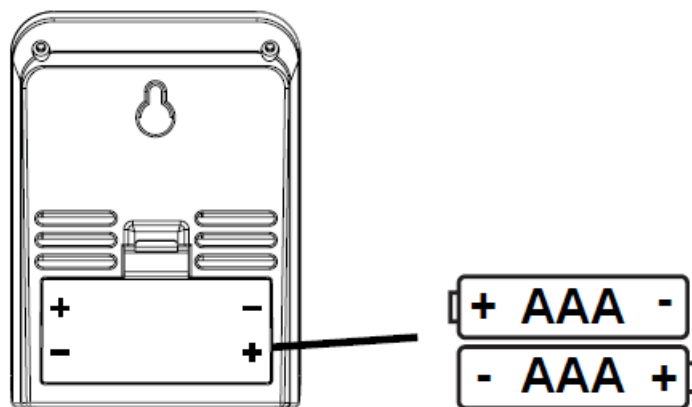Thermo-Hygro Sensor
LTV-TH2i

Wind Sensor
LTV-W2

Rain Sensor
LTV-R3V2

STATIONS

- Insert the power cord into an outlet, then into your weather station.
- Remove the battery insulation tab installed on the bottom of the station.
- Insert 2 "AAA" batteries into the Bonus Display.

- Weather Station V30v4

- Bonus Display LTV-D2

Note:
It may take up to 10 minutes for your sensor data to appear on your stations' screen.
For weather station V30v4
CONNECT TO THE LA CROSSE VIEW™ APP
DOWNLOAD
Visit the App Store or Google Play Store to download the free La Crosse View app onto your mobile device.
LAUNCH & FOLLOW
Open the La Crosse View app and follow the on-screen instructions.

CONNECT TO YOUR WI-FI NETWORK

1. The La Crosse View App is required to connect your station to the Wi-Fi Network. Download the app first.
2. The app will provide detailed instructions and inform you which buttons to press while connecting your station to the Wi-Fi Network.

   INITIAL SETUP OF NEW STATION If this is a new station and not yet added to your account, tap ADD DEVICE in the app and follow the instructions to add your station to the app and connect to Wi-Fi.

   RECONNECTING TO WI-FI: If the station is already in your account and you want to reconnect to Wi-Fi, tap CONNECT WIFI in the app and follow the instruction on your mobile device to connect to Wi-Fi.
3. When connected the Wi-Fi Indicator will become solid on your station.

For more troubleshooting tips and support visit: **www.lacrossetechnology.com/lacrosseviewsupport**
Benefits of Connecting to La Crosse View™

Feature	Standalone	Connected
Wind Speed	✓	✓
Wind Direction		✓
Rainfall Data	✓	✓
Indoor & Outdoor Temperature	✓	✓
"Feels Like" Temperature	✓	✓
Indoor & Outdoor Humidity	✓	✓
12-Hour Forecast	✓	✓
Barometric Pressure	✓	✓
Internet Time & Calendar		✓
Advanced Forecast Icons		✓
Daily Forecast HIs & LOs		✓
% Chance of Precipitation		✓
Ability to Add Sensors	✓	✓
Data Stream Technology		✓

MOUNT YOUR SENSORS

THERMO-HYGRO
Keep out of direct sunlight & ensure the sensor is well ventilated. We recommend mounting under a deck or eave facing north.
WIND
Ensure the sensor is mounted vertically, an unobstructed rooftop is ideal. Your Wind Sensor should be the tallest object in the area to avoid reduced wind speed values.
RAIN
Mount in an open area 3-6 feet off the ground on a level platform. Check the sensor often to remove leaves or other debris that could cause low rainfall readings.

BUTTONS & FUNCTIONS

Buttons located on top of Color Weather Station

RAIN	WIND	TEMP	+	SET	–	EXTRA SENSOR	SENSOR	LIGHT

Buttons located on side of Color Weather Station

SET	Hold for basic setting. Press to view Wi-Fi status.
TEMP, WIND, RAIN	Press to view history.
LIGHT	Press to adjust brightness. Hold to set Auto Dim.
+ or –	Use + or – to adjust values in settings.
+ & –	Hold both buttons to search for Wi-Fi.
SENSOR	Press to view sensor ID numbers, then hold PLUS (+) to search, or hold MINUS (–) to remove.
DAILY, HOURLY	Press to see forecast. Must be connected to Wi-Fi.
RAIN & LIGHT	Hold both buttons to reset all sensor ID's and Wi-Fi settings.
EXTRA SENSOR	Press to toggle through "extra sensor" & Barometric Pressure. Hold to add Sensors.

ACCUWEATHER FORECASTS

Other benefits of connecting your station to the La Crosse View™ app include Daily and Hourly Forecasts from AccuWeather. These will display changes in your station's Weather Icons, HI/LO Temps, Wind Direction, and Chance of Precipitation values.
DAILY FORECAST
Press the DAILY button to view predictions for each of the next 7 days of weather data.
HOURLY FORECAST
Press the HOURLY button to view predictions for each of the next 12 hours of forecast data.
Note:
These buttons will not provide a function if your station is not connected to the La Crosse View app.

SENSOR PLACEMENT AND MOUNTING

- Use the hole at the top to hang your sensor from the back using a nail. Or, insert one mounting screw through the front of your sensor.
- Mount your sensor on a north-facing wall or in any shaded area. Under an eave or deck rail is preferred to avoid inaccurate readings from the sun.
- The maximum wireless transmission range to the station is up to 400 feet (121 meters) in open air, not including walls or floors.
- Be sure your sensor is mounted vertically, to allow moisture to drain out properly.
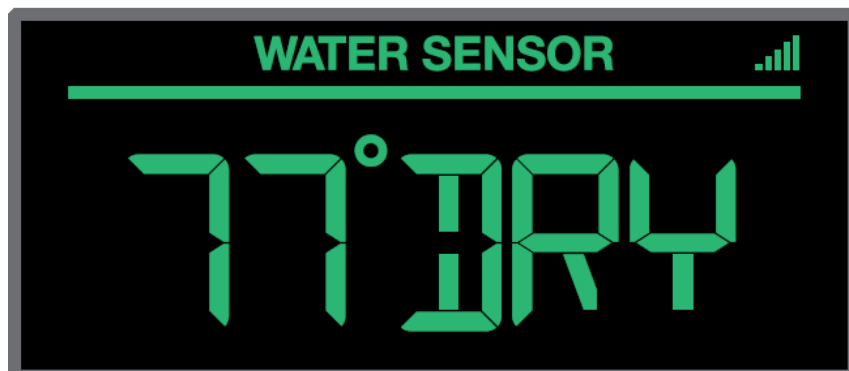
ADD-ON SENSORS
Whether you choose to connect to the La Crosse View app or not, this station can display data for up to 4 extra sensors. This data will appear in the light green section on the LCD and in your La Crosse View app if connected.
Adding Sensors to Your Station

1. Hold the EXTRA SENSOR button until the Sensor Reception Indicator starts to animate.
2. Install batteries into your sensor. If the sensor has a TX button, press it to force a transmission signal. This button is usually located in or near the sensor's battery compartment. The LED light on the sensor will flash once.
3. Your sensor should connect within the next 3 minutes, briefly displaying its ID and type on the LCD. The Sensor Reception Indicator will show solid on the screen when a sensor is connected

Note:
When first powering up, or after a factory reset, extra sensors should automatically connect to your station.

- Water Leak Sensor Example

If you have multiple add-on sensors connected, press the EXTRA SENSOR button to cycle through the data you'd like displayed on the LCD. The relative pressure data shares space with the extra sensors(s).

STATION ICONS

Wi-Fi Indicator: Will flash when your station is ready to connect to the Internet, and be solid on screen when connected.

Internet Indicators: Will display in areas to indicate data coming from the Internet.

Low Battery Indicators: Individual station/sensor indicators will let you know which batteries to replace.

Sensor Reception Indicators: Indicate the reception strength between your sensors and station.

WE'RE HERE TO HELP!
If you require additional support, call our friendly customer support representatives based out of our office in La Crosse, Wisconsin.
(2830 26th ST S.)
Phone: 1.844.200.8752 Online: bit.ly/contact_techsupport
Our knowledgeable customer support team is available: Monday-Friday, 8am-6pm CST.
JOIN THE CONVERSATION
Ask questions, watch detailed setup videos, and provide feedback on our social media outlets!

CARE & MAINTENANCE

Replace the Coin Cell Battery

1. Use a coin to turn the battery cover to the left to remove it.
2. Pull back the metal pin and gently remove the battery.
3. Insert a fresh CR2032 battery with the + side up and snap into place.
4. Replace the battery cover and use the coin to turn it to the right to lock.

Caution!
WARNING

1. This product contains a button battery.
2. If swallowed, it could cause severe injury or death in just 2 hours.
3. Seek medical attention immediately.

WARNING:
KEEP BATTERIES OUT OF REACH OF CHILDREN

1. Swallowing may lead to serious injury in as little as 2 hours or death, due to chemical burns and potential perforation of the esophagus.
2. If you suspect your child has swallowed or inserted a button battery, immediately seek urgent medical assistance.
3. Examine devices and make sure the battery compartment is correctly secured,

e. g. that the screw or other mechanical fastener is tightened.

4. Do not use if compartment is not secure.

5. Dispose of used button batteries immediately and safely. Flat batteries can still be dangerous.

6. Tell others about the risk associated with button batteries and how to keep their children safe.

WARNING: CHOKING HAZARD – Small Parts Not for children under 3 yrs.

Battery Replacement Instructions

When batteries of different brand or type are used together, or new and old batteries are used together, some batteries may be over-discharged due to a difference of voltage or capacity. This can result in venting, leakage, and rupture and may cause personal injury.

- Always purchase the correct size and grade of battery most suitable for the intended use.
- Always replace the whole set of batteries at one time, taking care not to mix old and new ones, or batteries of different types.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed correctly with regard to polarity (+ and -).
- Remove batteries from product during periods of non-use. Battery leakage can cause corrosion and damage to this product.
- Remove used batteries promptly.
- For recycling and disposal of batteries, and to protect the environment, please check the internet or your local phone directory for local recycling centers and/or follow local government regulations.

CALIFORNIA RESIDENTS

CA WARNING: This product can expose you to chemicals including acrylonitrile, butadiene, and styrene, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: **www.P65Warnings.ca.gov**

The manufacturer is not responsible for any radio or TV interference caused by unauthorized changes or modifications to this equipment. Such changes or modifications could void the user authority to operate the equipment. All rights reserved. This manual may not be reproduced in any form, even in part, or duplicated or processed using electronic, mechanical or chemical process without the written permission of the publisher. This booklet may contain errors or misprints. The information it contains is regularly checked and corrections are included in subsequent editions. We disclaim any responsibility for any technical error or printing error, or their consequences. All trademarks and patents are recognized.

STATION & SENSOR SPECS

	V30v4	LTV-D2
Indoor Temperature Range	32°F to 99°F (0°C to 37°C)	32°F to 122°F (0°C to 50°C)
Indoor Humidity Range	10% to 99%RH	10% to 99%RH
Relative Pressure Range	23.62 to 32.48 InHg (800 to 1100 hPa)	n/a
Power Requirements	5.0V AC Adapter (included) 1 CR20 32 Battery (included)	2 "AAA" Batteries (not included)

The plug on the power adapter is intended to serve as the disconnect device, the socket-outlet shall be installed near the equipment and shall be easily accessible.

THERMO-HYGRO (LTV-TH2i)

- Outdoor Temperature Range: -40°F to 140°F (-40°C to 60°C)
- Outdoor Humidity Range: 10% to 99%RH
- Power Requirements: 2 "AA" Batteries (not included)

WIND (LTV-W1 or LTV-W2)

- Wind Speed Range: 0 to 111 MPH (0 to 178 KMH)
- Power Requirements: 2 "C" Batteries (not included)

RAIN (LTV-R3)

- Rainfall Range: 0-393.6 inches (0-9999 mm)
- Power Requirements: 2 "AA" Batteries (not included)
- Sensor Transmission Range: 400 Feet (121.92 Meters) open air

WI-FI NETWORK REQUIREMENTS

- Broadcast Frequency: 2.4GHz (802.11 b/g/n)
- Network Name/Password: Must Not Exceed 45 Characters
- Network Speed: Must Be Greater than 1 Mbps

Note:
If you have a multiple band router, be sure your mobile device is connected to the 2.4 GHz frequency when connecting your station to the app.

MOBILE REQUIREMENTS
Apple phones require iOS with Wi-Fi service. Android phones require Android OS with Wi-Fi service

LA CROSSE TECHNOLOGY™ PATENTS
Visit **www.lacrossetechnology.com/patents** for patent information.

FCC STATEMENT
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. All rights reserved. This manual may not be reproduced in any form,

Documents / Resources

	LA CROSSE TECHNOLOGY LTV-R3V2 Rain Sensor [pdf] User Guide LTV-R3V2, LTVR3V2, OMOLTV-R3V2, OMOLTVR3V2, LTV-R3V2 Rain Sensor, Rain Sensor, L TV-R3V2 Sensor, Sensor, 091322

References

- **Manuals and FAQs – La Crosse Technology**
- **Patents – La Crosse Technology**
- **P65Warnings.ca.gov**