

LA CROSSE®
TECHNOLOGY

WEATHER STATION WITH FORECAST AND ATOMIC TIME

INSTRUCTION MANUAL



MODELS: 308-1417V2
DC: 122922

FIND MANUALS, FAQs, AND MORE UNDER THE
SUPPORT TAB HERE: bit.ly/308-1417v2

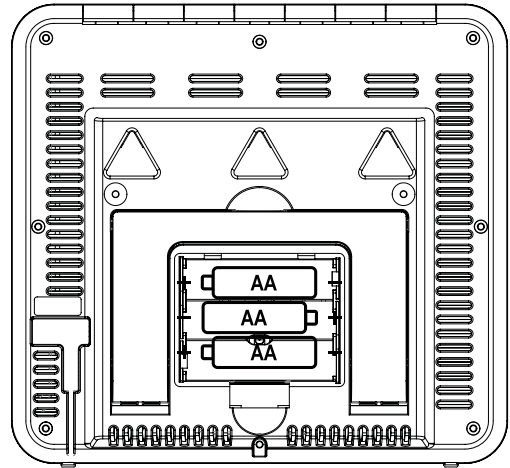
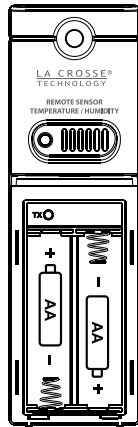
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POWER UP

1. Insert 2-AA batteries into your Outdoor Sensor.
2. Insert 3-AA batteries into your Weather Station.
3. Adjust time and date settings.
4. Once the Outdoor Sensor is reading to your station, place it outside in a shaded location.

Watch sensor mounting video: http://bit.ly/TH_SensorMounting



SETTINGS MENU

1. Hold the SET button to enter the Settings Menu.
2. Use the + or - button to adjust and SET to confirm.
3. Press the SEACH button at anytime to exit the Settings Menu.

Settings Menu order:

- Language: (English, Español, Français)
- Beep ON | OFF
- Atomic ON | OFF
- DST ON | OFF (Daylight Saving Time)
- Time Zone
- 12Hr | 24Hr Format
- Hour
- Minutes
- Year
- Month
- Date
- Temperature Fahrenheit | Celsius

Time Zones

ATLANTIC
EASTERN
CENTRAL
MOUNTAIN
PACIFIC
ALASKA
HAWAII

Note: When Español or Francais is selected, the following instructions and weekday will be presented in that language.

Note: Weekday sets automatically when Year, Month and Date are set.

Language

ENGLISH	

Beep ON | OFF

ON BEEP	

Atomic ON | OFF

ON ^{sp} ATOMIC	

DST ON | OFF

ON DST	

Time Zone

AM 12:00 EASTERN	

12Hr | 24Hr

24 FORMAT	

Set Hour

AM 12 SET HOUR	

Minutes

:34 MINUTES	

Set Year

20 17 SET YEAR	

Set Month

JAN SET MONTH	

Set Date

SET DATE /01	

Temp °F | °C

OF TEMP	

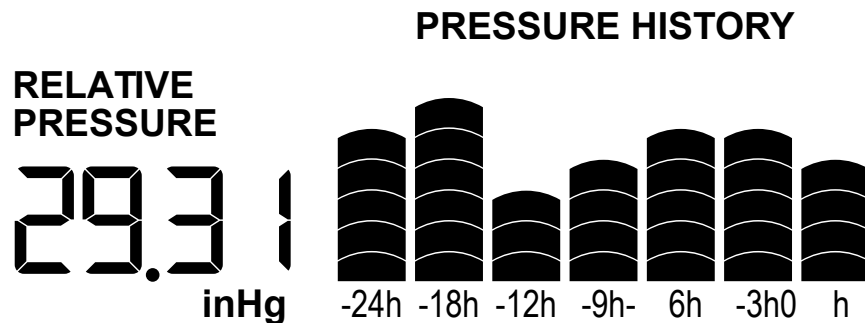
WWVB ATOMIC TIME SIGNAL

- The station will automatically search for the atomic time signal at UTC 7:00, 8:00, 9:00, 10:00, and 11:00.
- The Atomic Time Signal Icon (⌚) will flash while searching, and be solid when connected.
- Press the SEARCH button anytime, to manually search for the atomic time signal.
- For information about WWVB visit: <http://bit.ly/AtomicTime>

PRESSURE HISTORY GRAPH & NUMBER

Read from left to right, the Pressure History Graph indicates the rise and fall in air pressure over the past 24 hours.

- The “0h” indicates the current hour, thus the current air pressure also.
- At every full hour the current air pressure is used as a basis for the display of a new graph bar.
- Air pressure trends can be determined by simply glancing at the bar graph.
 - A. If the bars are rising (higher on the right than the left) then the air pressure has a rising trend, and the weather should improve.
 - B. If the bars are dropping (lower on the right than the left) then the air pressure has a falling trend, and the weather should worsen.
- The bar chart will constantly scroll to provide visual interest. This cannot be turned off.

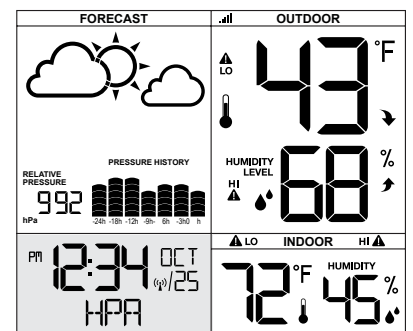
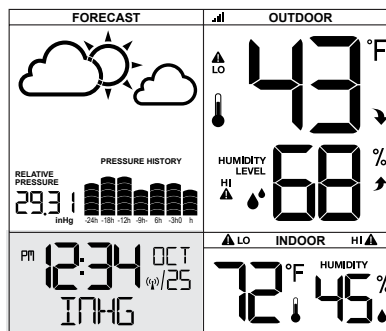


- The Relative Pressure numbers represent the current Barometric Pressure reading from the pressure sensor inside the weather station.

PRESSURE UNITS (INHG OR HPA)

Inches of Mercury (inHg) is common in the USA.

- Press the PRESSURE button to toggle the pressure reading between Inches of Mercury and Hectopascal.
- The letters, INHG or HPA will show for 3 seconds. Other readings will remain.
- Station will stay on measurement selected.

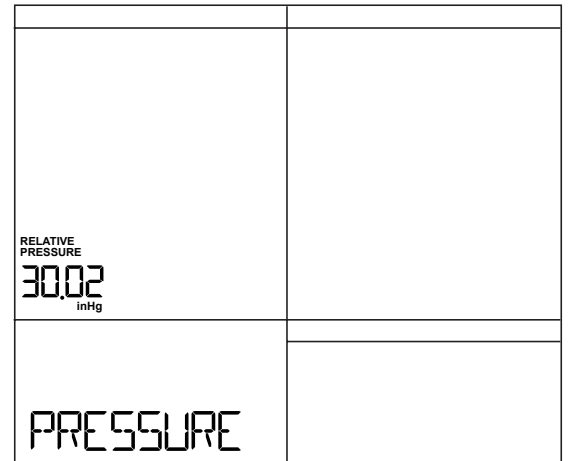


PROGRAMMABLE PRESSURE NUMBER

- The relative air pressure number is programmable: 23.62 to 32.48 InHg (800 to 1100 hPa).
- If not manually programmed, please allow 7-10 days for the station to acclimate to your location. After this time, you should begin to see accurate pressure graph readings automatically displayed on your station's screen.

Program Pressure Number:

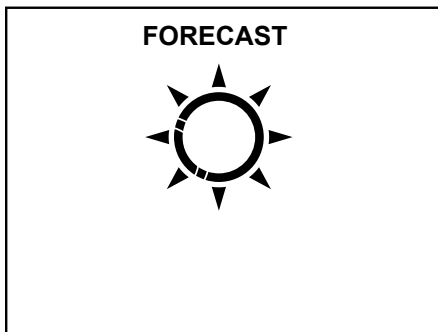
1. Hold the PRESSURE button to set pressure number.
2. PRESSURE will show and Pressure Value will flash.
3. Press the + or - button to adjust the flashing pressure value.
4. Hold the + or - buttons to adjust quickly.
5. Press the PRESSURE button to confirm adjustments and exit.
6. Press the SEARCH button at any time to exit.



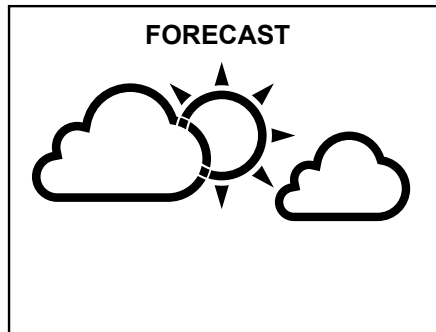
WEATHER FORECAST ICONS

- The Weather Forecast Icons are determined by the station's barometric pressure reading. Please allow 7-10 days for barometric calibration.
- This is your pressure at your stations' location and may vary slightly from your local reporting station.
- Six forecast icons use changing atmospheric pressure to predict weather conditions for the next 12-hours with 70-75% accuracy.
- When Outdoor temperature is below 32°F and the forecast is RAIN or T-STORM, the station will display SNOW.

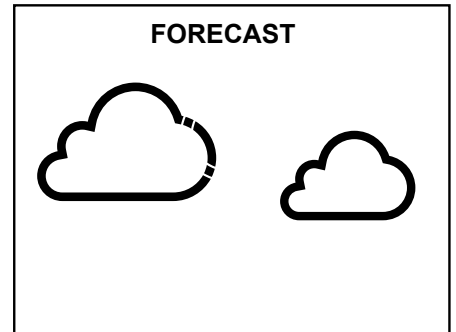
SUNNY



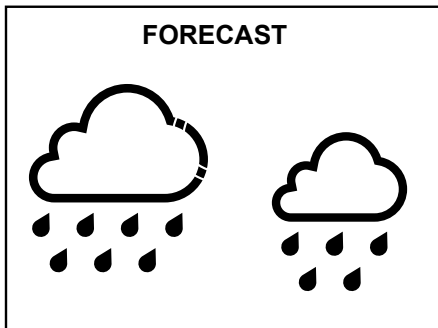
PARTLY SUNNY



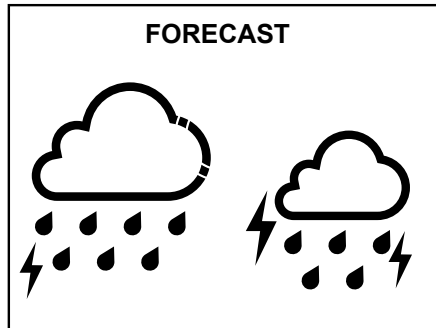
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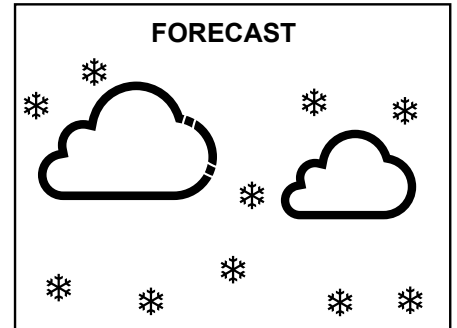
RAIN



T-STORM



SNOW



TEMPERATURE & HUMIDITY ALERTS

To set alerts:

1. Hold the ALERTS button to enter alert set mode.
2. Outdoor HI temperature alert OFF will show.
3. If you wish **to set** this alert value, press the + or – buttons to arm this alert (ON).
4. When the alert is armed (ON) the alert value will flash (no additional button press)
5. Press the + or – buttons to change the alert value.
6. Press the ALERTS button to confirm and move to the next alert.
7. If you **do not wish to set** an alert, press the ALERTS button again to move the next alert.
(When the alert is OFF (disarmed) press ALERTS button to skip setting that alert value).
8. Press and release the ALERTS button until you get to the alert you wish to set.
9. To set the alert, first press the + or – buttons to turn the alert ON (armed).
10. When the alert is armed (ON) the alert value will flash (no additional button press)
11. Press the + or – buttons to change the alert value.
12. Press the ALERTS button to confirm and move to the next alert. Or press the LIGHT button to exit.

Outdoor Temperature Alerts

OUTDOOR		OUTDOOR	
			40°F
OFF		ON	
LO ALERT		LO ALERT	
OUTDOOR		OUTDOOR	
			140°F
OFF		ON	
HI ALERT		HI ALERT	

Outdoor Humidity Alerts

OUTDOOR		OUTDOOR	
HUMIDITY LEVEL		HUMIDITY LEVEL	10%
OFF		ON	
LO ALERT		LO ALERT	
OUTDOOR		OUTDOOR	
HUMIDITY LEVEL		HUMIDITY LEVEL	99%
OFF		ON	
HI ALERT		HI ALERT	


Indoor Temperature Alerts

INDOOR		INDOOR	
			32°F
OFF		ON	
LO ALERT		LO ALERT	
INDOOR		INDOOR	
			99°F
OFF		ON	
HI ALERT		HI ALERT	

Indoor Humidity Alerts

INDOOR		INDOOR	
HUMIDITY		HUMIDITY	10%
OFF		ON	
LO ALERT		LO ALERT	
INDOOR		INDOOR	
HUMIDITY		HUMIDITY	99%
OFF		ON	
HI ALERT		HI ALERT	

Active Alert:

- The alert icon  will only show when the alert is active, and indicate HI or LO.
- When armed alert value is reached, station will beep 5 times, once each minute, until out of alert range.
- The flashing alert icon will indicate whether it is a LO or HI alert.
- Press any button to stop the temp alert sound.
- The alert icon will still flash while value is in alert range.

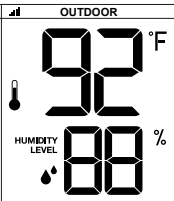
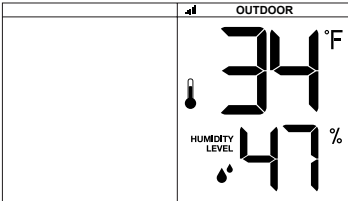
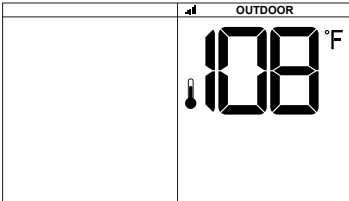
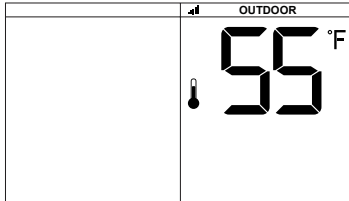
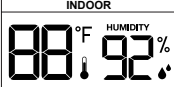
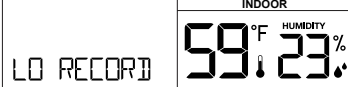
Disarm Alert:

1. Hold the ALERTS button to enter alert setting menu.
2. Press the ALERTS button until you see the alert you wish to disarm.
3. Press the + or - button to disarm the alert. The alert will not sound.
4. Press the SEARCH button to exit.

HI/LO TEMPERATURE & HUMIDITY RECORDS

All HI/LO temperature/humidity records reset automatically at 12:00 (midnight).

- Press the TEMP button once to view HI indoor and outdoor temperature/humidity records.
- Press the TEMP button a second time to view LO indoor and outdoor temperature/humidity records.
- Press the TEMP button a third time to view outdoor Heat Index.
- Press the TEMP button a fourth time to view outdoor Dew Point.
- Press the TEMP button again to return to normal display.

							
HI RECORD		LO RECORD		HEAT INDEX			DEW POINT

TEMPERATURE & HUMIDITY TREND ARROWS

- The UP and DOWN arrows indicate changes in temperature and humidity over the past hour.
- The arrows will update every 15 minutes and compare data from exactly one hour prior.

Temperature: arrow changes every 2 degrees Fahrenheit.

Humidity: arrow changes every 3% RH



SENSOR SEARCH

- If you are seeing dashes in place of outdoor temperature, first check your sensor batteries.
- Hold the SENSOR button for 3 seconds to search for the sensor. Sensor Reception icon will flash while searching and be solid when sensor signal is received.
- If you regain connection while the sensor is mounted, great. If you do not regain connection, bring the sensor within 10 feet of the station and search again.

Note:

- If the signal is lost, the RX will display the last data recorded from sensor for 10 minutes.
- After that 10 minutes if the signal does not come back then you will see dashes "--".
- After 30 minutes, start looking for the sensor signal automatically.

CHANGE BATTERIES

We designed this station for convenience, so that a simple change of batteries does not lose your data or require you to power down your station.

Sensor:

1. When Battery Indicator shows next to the Outdoor Temperature, replace batteries in your Outdoor Sensor.
2. Then hold the SENSOR button for 3 seconds and your station will search for your sensor.

Station:

1. When Battery Indicator shows next to the Indoor Humidity, change batteries in the station.
2. After replacing the batteries in the station, it will automatically search for the sensor. Press the TX button on the sensor to force a signal transmission. When outdoor temperature readings are received, set time and date.

FACTORY RESTART

A factory restart of the station returns it to default settings, and “out of the box” condition and may resolve connection issues.

1. Be sure there are fresh batteries in the sensor and station.
2. Hold the ALERTS and PRESSURE button together for 5 seconds to restart the station. This will clear all settings and history. Station will automatically search for sensor.

SENSOR WEATHER SHIELD-NOT INCLUDED

The Sensor Weather Shield is designed to protect your outdoor sensor from rain and snow. This shield will offer limited protection from the sun’s heat. Purchase at: <http://bit.ly/925-1418>



WE'RE HERE TO HELP!

If you require additional support, call our customer support team based out of La Crosse, Wisconsin.

Phone: 1.608-782-1610

Or fill out our online support request form here: bit.ly/contact_techsupport

Our knowledgeable 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 AND MAINTENANCE

- Do not mix old and new batteries.
- Do not mix Alkaline, Standard, Lithium, or Rechargeable batteries.
- Always purchase the correct size and grade of battery most suitable for intended use.
- Replace all batteries of a set at the same time.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed with correct polarity (+ and -).
- Remove batteries from equipment which is not to be used for an extended period of time.
- Promptly remove expired batteries.

SPECIFICATIONS

INDOOR:

Temperature Range: 32°F to 99°F (0°C to 37°C)

- When above 99°F (37°C) temperature shows “HI”;
- When below 32°F (0°C) temperature displays “LO”.

Humidity Range: 10% to 99% RH

Update Interval: About every 60 seconds

Relative Pressure Range: 23.62 to 32.48 inHg (800 to 1100 hPa)

Update Interval: About every 12 minutes

OUTDOOR:

Temperature Range: -40°F to 140°F (-40°C to 60°C)

Humidity Range: 10% to 99% RH

Update Interval: About every 51 seconds

Transmission Range: over 330 feet (100 meters) in open air RF 433MHz

POWER REQUIREMENTS:

308-1417v2: AC6: GPU280500150WA00 (required) Optional: 3 “AA” LR6 Batteries (not included)

TX141TH-Bv3: 2 “AA” LR6 Batteries (not included)

BATTERY LIFE

308-1417v2: over 12 months with reputable batteries

TX141TH-Bv3: over 24 months with reputable batteries

DIMENSIONS:

308-1417v2: 6.88” L x 1.33” W x 6.37” H (17.5cm L x 3.4cm W x 16.2cm H)

TX141TH-Bv3: 1.57” L x 0.82” W x 5.11” H (3.98cm L x 2.08cm W x 12.98cm H)

WARRANTY INFO

La Crosse Technology, Ltd. provides a 1-year limited time warranty (from date of purchase) on this product relating to manufacturing defects in materials & workmanship.

For Full Warranty Details, Visit: www.lacrossetechnology.com/support

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.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Operation is subject to the following two conditions:


- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

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 **WARNING:** This product can expose you to chemicals including styrene, which is known to the State of California to cause cancer. For more information go to: www.P65Warnings.ca.gov