

308-1415BW FAQs

We are weather enthusiasts like you and know proper running equipment is important. These FAQs provide valuable information on setup, positioning, and troubleshooting your station.

We recommend Adobe Reader version 10 or greater available at: <http://get.adobe.com/reader>

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GENERAL INFORMATION

BATTERIES: WHAT DO I NEED TO KNOW ABOUT BATTERIES?

- Good fresh batteries are important for best performance in your sensors and as backup in your station.
- Batteries with an expiration date of 2025, were manufactured in 2015.
- We recommend batteries with an expiration date no more than 6 years in advance of the current year for best performance.
- A minimum voltage of 1.48 v per battery is required for best performance.
- Lithium batteries may be used in outdoor sensors. Alkaline batteries for the station.

BATTERIES: WHAT DO THE BATTERY ICONS MEAN?

- Low battery shows next to outdoor temperature, replace batteries in sensor.
- Low battery shows next to indoor temperature, replace batteries in station.

SENSOR AND STATION

Your 308-1415BW comes with:

TX141-Bv2 Temperature sensor 433MHz RF

Transmission Range 330 feet (100 meters) open air.

WHAT ARE THE POWER REQUIREMENTS?

TX141-Bv2: 2-AA batteries

308-1415BW: 2-AA batteries

SETUP: HOW DO I SETUP MY STATION?

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

MOUNTING: WHERE DO I POSITION MY SENSOR & STATION?

- Watch sensor mounting video: http://bit.ly/TH_SensorMounting
- Place your Temperature sensor at least 6 feet off the ground.
- For accurate temperature readings your sensor needs to be shaded from the sun and in a well ventilated area. Trapped moisture will cause inaccurate readings.
- Mount your sensor vertically to allow moisture to drain out the bottom.

- Preferred location is on a north facing wall under an eave or deck rail.
- Avoid placing near a metal roof that will cause it to read high on sunny days.
- Avoid other sources of heat such as soffit vents, and window or door frames.
- Maximum transmission distance from your thermos-hygro sensor to your station, in open air is 330 feet (100 meters).
- Insert the mounting screw through the front of the transmitter and into the wall. Tighten the screw to snug (do not over tighten).

POSITION STATIONS

Your stations are designed for placement on a desk or countertop.

- Best reception occurs when only one wall is between your station and your sensor outside.
- Position you station six feet from other electronics and wireless devices. If you suspect RF (radio frequency) interference, simply move your weather station a few feet.

WHAT IS DISTANCE | RESISTANCE | INTERFERENCE?

Distance:

- The maximum transmitting range in open air is over 330 feet (100 meters) between your sensor and your station.
- Consider the signal path from your station to your sensor as a straight line.
- Consider the distance the station is from other electronics in the home.

Resistance:

- Each obstacle: walls, windows, vegetation, stucco, concrete, and large metal objects will reduce the effective signal range by about one-half.
- Mounting your sensors on a metal fence can significantly reduce the effective signal range.

Interference:

- Consider electronics in the signal path between your sensor and your station.
- Simple relocation of your sensor or the station may correct an interference issue.
- Windows can reflect the radio signal.
- Metal will absorb the RF (radio frequency) signal.
- Stucco held to the wall by a metal mesh will cause interference.
- Transmitting antennas from: ham radios, emergency dispatch centers, airports, military bases, etc. may cause interference.
- Electrical wires, utilities, cables, etc. may create interference if too close.

HOW DO I VIEW MY HI AND LO TEMPERATURE READINGS?

The high and low temperature readings are recorded with time and date of occurrence. Each time a new high or low reading is recorded, that reading with time and date of occurrence will show.

To view your HI | LO records, simply press and release the PLUS (+) button.

- Outdoor HI Temperature
- Outdoor LO Temperature
- Indoor HI Temperature

- Indoor LO Temperature

HOW DO I RESET THE TEMPERATURE READINGS?

Your temperature readings are reset individually.

1. Press and release the PLUS (+) button to view the reading you wish to reset.
2. Hold the MINUS (-) button for 3 seconds to reset individual temperature value to current temperature, time and date.

TIME: DOES MY STATION HAVE ATOMIC TIME?

- No. The time needs to be set manually on your station.

HOW DO I MANUALLY SET THE TIME?

1. Hold the **SET** button 3 seconds to enter settings mode.
2. Press the + or - button to adjust the flashing values.
3. Hold the + or - buttons to adjust quickly.
4. Press the **SET** button to confirm adjustments and move to the next item.

Settings order:

- Language (English, Español, Français)
- Beep ON/OFF
- 12/24 Hour Format
- Hour
- Minutes
- Year
- Month
- Date
- Month/Date, Date/Month
- Temperature Fahrenheit/Celsius

To begin:

1. Hold the SET button for 2 seconds to enter setting mode. **ENGLISH** will flash. Press the + or - button to select a different language.
2. Press SET to confirm and move to beep sound ON/OFF. **BEEP ON** will show. ON flashes. Press the + or - button to turn the button beep sound off.
3. Press SET to confirm and move to 12/24 hour. The **12Hr** will flash and **FORMAT** will show. Press the + or - button to choose 12 hour or 24 hour time format.
4. Press SET to confirm and move to the hour. The **HOUR** will flash. Press the + or - button to choose the hour.
5. Press SET to confirm and move to the minutes. The **MINUTES** will flash. Press the + or - button to choose the minutes.

6. Press SET to confirm and move to the year. The **YEAR** will show. **2018** will flash. Press the + or - button to change the year.
7. Press SET to confirm and move to the month. The **MONTH** will show. Month number will flash. Press the + or - button to change the month.
8. Press SET to confirm and move to the date. **DATE** will show. Date number will flash. Press the + or - button to change the date.
9. Press SET to confirm and move to Month/Date or Date/Month format. **M-DATE** will flash. Press the + or - button to change to DATE-M.
10. Press SET to confirm and move to the temperature unit. **TEMP °F** will show. °F will flash. Press the + or - button if you prefer °C (Celsius).
11. Press SET to confirm and exit.

WEEKDAY: HOW DO I CORRECT THE DAY OF THE WEEK?

- The day of the week will set when the Year, Month, and Date are set. If your day of the week is incorrect, yet the month and date are correct, please go the [program menu](#) and check the YEAR setting.

DOES THIS STATION HAVE 12 HOUR AND 24 HOUR TIME OPTIONS?

- Yes, you can select 12 hour or 24 hour time format in the [program menu](#) of your station.

ALARM

SET ALARM

1. Hold the **ALARM** button 3 seconds to enter settings mode.
2. Press the + or - button to adjust the flashing values.
3. Hold the + or - buttons to adjust quickly.
4. Press the **ALARM** button to confirm adjustments and move to the next item or exit.

Note: Alarm is crescendo sound. When the alarm sounds, it continues for 2 minute and then shuts off completely.

ACTIVATE/DEACTIVATE ALARM

- The alarm is active when set.
- From normal time display, press and release the ALARM button to deactivate or activate the alarm. The alarm time will show for 2 seconds.
- Alarm icon (bell) and ALARM ON will show then active 🔔
- ALARM OFF will show when inactive.

SNOOZE ALARM

- When alarm sounds, press the ALARM button to silence alarm for 10 minutes.
- The alarm icon 🔔 will flash
- Press any button except ALARM to silence the alarm for 24 hours

TROUBLESHOOTING

HOW DO I CHANGE BATTERIES IN MY SENSORS WITHOUT LOSING DATA?

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

- When Battery Indicator shows next to the Outdoor Temperature, replace batteries in your Outdoor Sensor.
- Then hold the PLUS (+) button for 3 seconds and your station will search for your sensor.

FACTORY RESET: HOW DO I FACTORY RESET MY STATION?

- Basically this is a great way to return your station to “out of the box” condition.
- This is more effective than removing all power for clearing out the station.
- All history records will be removed, so write down anything you want to keep.

To factory reset your station:

1. Bring your sensor in, and place 5-10 feet from both stations.
2. Remove power from station and sensor for 15 minutes.
3. With power removed press any button 20 times.
4. Insert batteries into sensor and stations.
5. Allow 15 minutes for them to connect several times.
6. Place sensor back outside.

DASHES FOR TEMPERATURE

Dashes indicate the connection is lost between your station and the outdoor sensor.

- My first thought is always to check that my [batteries](#) are good. If it has been working and now is not, low batteries are the most common connection problem.
- Next, check your [distance, resistance and interference](#). If everything was working previously at the same location, this is likely not the issue. However sometimes there is new growth on trees or bushes that causing another barrier. Radio Frequency (RF) signal does not travel well through foliage due to the moisture content.
- Occasionally adding a new wireless electronic device to the home will cross the signal path for the sensor. If this occurs try moving your station a few feet or turning the station 90 degrees for a better angle to receive the sensor signal.
- When you have good batteries, and good location, hold the PLUS (+) button for three seconds to search for your sensor. 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 complete a factory reset.

WHY DON'T MY TEMPERATURE READINGS

ON

MY STATION MATCH THE WEATHER REPORT?

- Your temperature readings are from you sensor at your location. Your local reporting station can be miles away so readings may differ.

TEMPERATURE ACCURACY

- The Temperature sensor reads the environment. If your sensor reads high during the day but not at night it is a [mounting](#) problem.
- **Side-by-side test:** Bring the Temperature sensor in the house and place it next to your station for 2 hours.
- Compare indoor and outdoor temperature. The temperatures should be within 4 degrees to be within tolerance.
- If the sensor reads correctly when next to your station then try a different location outside.
- Look for heat sources such as sunlight, door or window frames, or reflected heat that may cause inaccurate readings.
- If your temperature is reading low, and location is not an issue, you may have a bad sensor.

WHAT DOES A READING OF “HI” OR “LO” MEAN?

- If your outdoor temperature reading shows “HI” or “LO”, check that your [batteries](#) are good.
- Overpowered or underpowered batteries can cause this reading.
- If batteries are good, replace the outdoor sensor.

TEMPERATURE INTERMITTANT: WHY DOES MY TEMPERATURE READING COME AND GO?

- RF (radio frequency) communication may come and go occasionally. This can be normal in some environments (e.g. moister climates).
- If a sensor goes out, please wait 2-4 hours for it to reconnect on its own. Please be patient – these stations can reconnect on, after many hours out.
- RF (radio frequency) communication is not always 100% on. Certain temporary conditions can cause it to go out for a time (e.g. 100% humidity).

If a miss happens:

- If sensor loses connection to the station for any reason, the station will show dashes after 30 minutes.
- The station will search for 5 minutes every hour to reconnect with sensor.
- Be sure you have good [batteries](#). Manually search for your sensor by holding the PLUS (+) button for three seconds.

Try this:

- Bring your sensor within 10 feet of your station and make sure it is connected to the station.
- After 15 minutes move the sensor into the next room with a wall between the sensor and the station for 1 hour.
- If there is no loss of signal in that hour, move the sensor just outside.
- Continue moving the sensor back to its original location.
- If you lose connection, look for sources of [interference](#).

WHY AM I GOING THROUGH BATTERIES QUICKLY?

- Test a new set of [batteries](#). Write down the date of installation and the voltage of the batteries.
- When the batteries fail, please note the date and voltage again. This is helpful in determining the problem.
- Check for leaking batteries, which may damage the sensor.

HOW DO I CHANGE BETWEEN FAHRENHEIT AND CELSIUS?

- On your station enter the [program menu](#) to select Fahrenheit or Celsius temperature display on the station.