

## 308-1409BTV3-308-1409WTV3 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 2029, were manufactured in 2019.
- 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?

- When Battery Indicator shows in the outdoor area, replace batteries in your Outdoor Sensor.
- When Battery Indicator shows next to your Time or the Indoor area, replace batteries in your Station.

## STATION

Your 308-1409BTv3-308-1409WTv3 is a Bonus station not sold alone:

**Compatible sensor: TX141-Bv3** Thermo-hygro sensor 433MHz RF

Transmission Range 330 feet (100 meters) open air.

## WHAT ARE THE POWER REQUIREMENTS?

**308-1409BTv3-308-1409WTv3:** 2-AAA batteries

## WILL THESE STATION WORK IN OTHER COUNTRIES?

- Yes. The sensor and station can work together anywhere.

## SETUP: HOW DO I SETUP MY STATION?

1. Insert 2-AA batteries into your Outdoor Sensor and 2-AAA batteries into your Station.
2. Adjust time and date settings on your station.

## POSITION STATION

Your station is 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.
- Electrical wires, utilities, cables, etc. may create interference if too close.

## POSITION SENSOR

- Watch sensor mounting video: [http://bit.ly/TH\\_SensorMounting](http://bit.ly/TH_SensorMounting)
- Place your thermo-hygro 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.
- For accurate humidity readings, avoid placement near vegetation and lakes or other bodies of water when possible.
- 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).

## 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.

## 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/HI/LO button to enter the Settings Menu.
2. Press and release SET/HI/LO button to confirm and move to next item or exit.
3. Press and release +/F/C button to increase values. Hold +/Search to adjust quickly.

### Settings Menu Order:

- 12/24 Hour
- Hour
- Minutes

## 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.

## HOW DO I SWITCH FROM FAHRENHEIT TO CELSIUS?

- Press the +°F/°C button to switch between Fahrenheit or Celsius temperature display.

## 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.
- 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.

## HOW DO I VIEW HI/LO RECORDS?

- Press the SET/HI/LO button to view the HI then LO Temperature Records.

### Reset HI /LO Records:

1. Press the SET/HI/LO button to view records
2. When viewing HI/LO records, hold the SET/HI/LO button for five seconds to reset all records at one time.
3. HI/LO readings will reset to current temperature.

**Note:** The records will automatically reset daily at 12:00AM.