

515-1316 FAQs

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Batteries

- ✓ Half of all warranty issues can be resolved with fresh batteries of the appropriate voltage.
- ✓ We suggest name brand Alkaline batteries for indoor displays such as clocks.
- ✓ Use batteries dated at least six years in advance of the current year. Batteries dated earlier than six years from now may still work, but may be unstable in performance.
- ✓ Alkaline batteries manufactured this year will have an expiration date 10 years in the future. Battery technology has improved and batteries will maintain voltage longer in storage. However, the environment the batteries reside in for the 10 years can deplete the power.

- ✓ Good name brand batteries make less noise, which reduces the chance of RF (radio frequency) interference from the battery compartment. A minimum voltage of 1.48V for each battery is necessary for proper performance.

Digital Atomic Clock Factory Restart

FACTORY RESTART:

- ✓ Remove batteries from the clock.
- ✓ Press one of the buttons on the clock at least 20 times to clear all memory.
- ✓ Verify that the clock is blank before proceeding (there may be lines painted on the screen that will show when power is removed).
- ✓ Leave without power for 15 minutes (very important).
- ✓ Insert the fresh batteries into the clock.

Position Digital Atomic Clock

- ✓ Mount the clock on a wall with the front or back facing toward Ft. Collins, Colorado for best WWVB reception.
- ✓ The clock should be six feet from other electronics or wireless devices to best receive the outdoor temperature sensor signal.

Foldout Table Stand:

A foldout table stand is located on the back of the clock.

- ✓ Pull the stand out from the bottom of the clock, below the battery compartment.

Wall Mount

- ✓ Use a straightedge to place three screws on a wall to match the hanging holes on the back of the clock. Install mounting screws (not included) into a wall leaving approximately, 3/16 of an inch (5mm) extended from the wall.
- ✓ Place the clock onto the screws, using the hanging holes on the backside.
- ✓ Gently pull the clock down to lock the screws into place.
- ✓ **Note:** Always ensure that the clock locks onto the screws before releasing.

Digital Atomic Clock

How tall are the Time Numbers?

The time numbers are 7 inches tall.

Supported Time Zones

TIME ZONE: Hold the + **12/24** button for 3 seconds to move the time zone once. Hold again to change to a different time zone.

- ✓ **P** Pacific
- ✓ **M** Mountain
- ✓ **C** Central
- ✓ **E** Eastern
- ✓ **Note:** This station will only support these four Time Zones. The clock is designed for use in North America.

12-Hour or 24-Hour Time Format

- ✓ Display the time in 12-hour or 24-hour format
- ✓ Default is 12-hour time
- ✓ Press and release the + **12/24** button to switch between 12-hour time (AM/PM) and 24-hour time format.

Power Requirements

- ✓ Three “C” (LR14) Alkaline batteries power the clock

Does the Clock Have a Backlight?

- ✓ No, this clock does not have a backlight.
- ✓ Generally, an a/c power cord is required for products to have a backlight. This clock does not use a/c power cord.

Manually Set Time/Date: Program Menu

The MODE/SET button will move through the program menu. The + or - button will change a value if needed.

- ✓ **HOUR:** Hold the MODE/SET button for 3 seconds. The hour will flash. Press and release the + or - button to select the correct hour. Confirm with the MODE/SET button and move to the minutes.
- ✓ **MINUTES:** The minutes will flash. Press and release + or - button to select the correct minutes. Confirm with the MODE/SET button and move to the seconds.
- ✓ **SECONDS:** The seconds will flash. Press and release + or - button to set the seconds to zero. Confirm with the MODE/SET button and move to the next item.
- ✓ **YEAR:** The year will flash. Press and release the + or - button to select the correct year. Confirm with the MODE/SET button and move to the month/day mode.
- ✓ **MONTH/DAY FORMAT:** The M/D (month/date) will flash. Press and release + or - button to select D/M (day/month). Confirm with the MODE/SET button and move to the month.
- ✓ **MONTH:** The month will flash. Press and release the + or - button to select the correct month. Confirm with the MODE/SET button and move to the date.
- ✓ **DATE:** The date will flash. Press and release the + or - button to select the correct date. Confirm with the MODE/SET button and move to DST.
- ✓ **Note:** The weekday will set automatically after the year month and date are set.
- ✓ **DAYLIGHT SAVING TIME:** DST will flash. Press and release the + or - button to select DST ON or DST OFF. Confirm with the MODE/SET button and exit the program menu.

CHANGE TIME ZONE:

- ✓ Hold the + 12/24 button for 3 seconds to move the time zone once.
- ✓ Hold again to change to a different time zone.
- ✓ **This clock has four time zones:**
- ✓ **E** = Eastern, **C** = Central, **M** = Mountain and **P** = Pacific

12-HOUR OR 24-HOUR TIME FORMAT: Press and release the + 12/24 to switch

Set Time Alarm


Press and release the MODE/SET button to enter Alarm Mode. “AL” will show on the display.

ALARM TIME: Hold the MODE/SET button to enter alarm time setting mode.

- ✓ **HOUR:** The hour will flash. Press and release the + or - button to select the correct hour. Confirm with the MODE/SET button and move to the minutes.
- ✓ **MINUTES:** The minutes will flash. Press and release + or - button to select the correct minutes. Press and release the MODE/SET button to confirm and exit.

Activate/Deactivate Time Alarm

ACTIVATE:

- ✓ Press and release the ALARM ON/OFF button to activate the alarm. The alarm icon  appears when alarm is activated.

DEACTIVATE:

- ✓ Press and release the ALARM ON/OFF button to deactivate the alarm. The alarm icon will disappear when alarm is inactive.

Snooze Alarm

- ✓ When the alarm sounds, press the SNOOZE button to trigger snooze alarm for 5 minutes.
- ✓ The snooze icon **Zz** will flash above the time, when the snooze feature is active.
- ✓ The SNOOZE button can be pressed up to seven times to repeat the snooze function.

Time is off by hours

- ✓ Check to see if the WWVB Tower icon appears on the clock. If not, the clock has not received a WWVB time signal in the past 24-hours.
- ✓ Reposition the clock with the front or back facing Colorado.
- ✓ Check that the Time Zone selected correctly reflects your location.
- ✓ Check that the DST indicator is correct for your location (most areas observe DST so this should be ON). Adjust the DST indicator in the Program Menu.
- ✓ Large buildings, metal roofed buildings and buildings or rooms full of electrical and/or radio equipment make it difficult to receive the WWVB time signal.

No WWVB Tower Icon

- ✓ The clock has not received a WWVB time signal in the past 24 hours.
- ✓ Position the clock for better reception.
- ✓ Hold the **TOWER** button to send the clock on a signal search at night.
- ✓ Allow up to 5 nights to receive the time signal.

Daylight Saving Time

- ✓ Dependent on your location, position of the clock in your home, and atmospheric interference, it may take up to 5 nights for the change from Daylight Savings Time to Standard Time and vice-versa to occur.
- ✓ Check for a WWVB Tower Icon showing on your Clock. The tower icon indicates you have received the WWVB signal from Ft Collins CO in the past 24-hours.
- ✓ Check that the clock is in the correct Time Zone.
- ✓ Check whether the DST indicator is ON or OFF. If the indicator is OFF the clock will not change.
- ✓ Check for fresh batteries. Without proper batteries, the antenna will have a harder time picking up the signal.
- ✓ Position the clock in a window (*with the front or back*) facing Ft. Collins, Colorado and leave for up to five nights. If you do not have a window facing this direction, locate the clock near an outside wall and point the unit in this general direction.

Is There a Booster Antenna

- ✓ No. There is not a booster antenna available for the WWVB time signal.

Can the Clock Attach to a Timer?

- ✓ No timer circuit can be attached to the clock. Modifications will void the warranty.

Clock Has Missing Segments

- ✓ This is generally a power related issue.
- ✓ Batteries may be overpowered or underpowered. Remove batteries from clock.
- ✓ Press any button 20 times. Leave the clock unpowered for 1-2 hours.
- ✓ Insert fresh alkaline batteries with correct polarity.

Digital Atomic Clock Is Dim

- ✓ Most clock s have a gray background. Place the clock at eye level. Is it still dim?
- ✓ Clocks that sit in the sunlight can develop a cloudy film over time.
- ✓ This is generally a power related issue.
- ✓ Batteries may be overpowered or underpowered. Remove batteries from clock.
- ✓ Press any button 20 times. Leave the clock unpowered for 1-2 hours.
- ✓ Install fresh alkaline batteries with correct polarity.

Digital Atomic Clock Has Distorted Display

- ✓ On a brand new clock, check for thin plastic films of printed scratch guard that may be on the upper and lower screen of the clock. This thin piece of plastic has printed numbers for store displays.
- ✓ This film will be easy to peel off the LCD.
- ✓ With all power removed the clock should be blank.
- ✓ If numbers still appear, please check for scratch guard.
- ✓ Check that the batteries are installed correctly.
- ✓ Press the RESET button.

- ✓ This is generally a power related issue.
- ✓ Batteries may be overpowered or underpowered. Remove batteries from the clock.
- ✓ Press any button 20 times. Leave the batteries out of the display for 2 hours.
- ✓ Insert fresh alkaline batteries into the clock.

Digital Atomic Clock is Blank: No Letters, Numbers or Dashed Lines

- ✓ Check that the batteries are installed correctly.
- ✓ Batteries may be overpowered or underpowered. Remove batteries from clock.
- ✓ Press any button 20 times. Leave the batteries out of the display for 2 hours.
- ✓ Insert fresh alkaline batteries into the clock.

Digital Atomic Clock Drains Batteries Quickly

- ✓ Test a new set of alkaline 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 clock.
- ✓ Battery life is over 12 months when using reputable battery brands.