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Batteries

Explanation: Many problems are resolved with fresh batteries of the appropriate voltage. Many items sent in under warranty, work when tested with fresh batteries. Batteries manufactured this year will have an expiration date 10 years (or more) 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.

- ✓ A minimum voltage of 1.48V for each battery is necessary for proper performance.

- ✓ 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.
- ✓ Good name brand batteries make less noise, which reduces the chance of RF (radio frequency) interference from the battery compartment.

Atomic Clock Factory Restart

Explanation: The factory restart returns the atomic clock and remote sensor to an “out-of-the-box” default state and often resolves an issue.

Factory Restart:

1. Remove batteries from atomic clock.
2. Press one of the buttons on the atomic clock at least 20 times to clear all memory.
3. Verify that the atomic clock is blank before proceeding (there may be lines painted on the screen that will show when there is no power).
4. Leave clock without power for 15 minutes (very important).
5. Install fresh batteries in the atomic clock.

Atomic clock Power Requirements

- ✓ 2-AA alkaline batteries may be used.

12-Hour time format

- ✓ Time can display in 12-hour only

Fahrenheit/Celsius

- ✓ Use the [program menu](#) to switch between Fahrenheit and Celsius.

HI | LO Records

Explanation: The atomic clock shows the daily HI | LO temperature and humidity records each day starting at midnight (12:00 AM). The atomic clock automatically resets the HI | LO records at midnight (12:00 AM).

- Press and release the PLUS button to view the HI temperature, than Humidity record.
- Press and release the MINUS button to view the LO temperature, than Humidity record.

Dashes, HH.H, LL.L or stuck Indoor Temperature | Humidity

Explanation: These symbols are error messages indication the indoor sensor is outside of its readable range. For indoor readings, this is generally a power related issue.

- ✓ **Batteries** may be overpowered or underpowered. Remove batteries from the atomic clock.
- ✓ Press any button 20 times. Leave the atomic clock unpowered for 1-2 hours.
- ✓ Install fresh Alkaline batteries with correct polarity.
- ✓ If the indoor temperature is still shows dashes, HH.H or LL.L, the atomic clock may need replacement.

Inaccurate Indoor Temperature Reading

Explanation: When the indoor temperature is inaccurate, it is often due to the location of the display or overpowered/under powered batteries. You can test the accuracy at you home.

Side-by-side test: Bring the remote sensor in the house and place it next to the atomic clock for 2 hours.

- ✓ Compare indoor and remote temperature. The temperature should be within 4 degrees to be within tolerance.
- ✓ Look for heat sources such as sunlight, door or window frames or reflected heat or cold near the atomic clock.

Set Time Alarm

Hold the ALARM button for 5 seconds to enter the alarm setting mode.

1. The alarm **hour** digit will flash in the time display.
2. Press and release the + or - buttons to select the hour.
3. Press and release the ALARM button to set the minutes.
4. The **minute** digits will flash.
5. Press and release the + or - buttons to adjust the minutes.
6. Confirm with the ALARM button and exit.

Activate/Deactivate time alarm

- ✓ Press and release the ALARM button once to show alarm time.
- ✓ Press and release the ALARM button to activate/deactivate the Alarm.
- ✓ The bell icon will disappear when the alarm is no longer active.

Snooze Alarm

- ✓ When the alarm sounds, press the LIGHT button to trigger snooze alarm for 10 minutes. The snooze icon will flash when the snooze feature is active.
- ✓ To stop alarm for one day, press ALARM button, while in snooze mode. The bell icon will remain solid.
- ✓ **Note:** When the alarm sounds, it continues for 2 minutes and then shuts off completely.

Manually Set Time/Date: Program Menu

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

Setting order:

1. Language: English | Español
2. Beep ON | OFF
3. Atomic ON | OFF
4. Time Zone
5. DST ON | OFF (Daylight Saving Time)
6. Hour
7. Minutes
8. Year
9. Month
10. Date
11. Fahrenheit | Celsius

1. Hold the SETTINGS button for 5 seconds.
2. **ENGLISH** will flash.
3. Press and release the + or - buttons to select Español.
4. Confirm with the SETTINGS button and select beep ON | OFF
5. **BEEP** and **ON** will flash.
6. Press and release the + or - buttons to turn this feature OFF.
7. Confirm with the SETTINGS button and select atomic time ON | OFF.
8. **ATOMIC** and **ON** will flash.
9. Press and release the + or - buttons to turn this feature OFF.
10. Confirm with the SETTINGS button and select Time Zone.
11. **ZONE-EST** will flash.
12. Press and release the + or - buttons to change time zones.
13. Confirm with the SETTINGS button and select DST (Daylight Saving Time) ON | OFF.
14. **DST** and **ON** will flash.
15. Press and release the + or - buttons to turn this feature OFF.
16. Confirm with the SETTINGS button and move to the hour.
17. The **hour** digit will flash.
18. Press and release the + or - buttons to select the hour.
19. Press and release the SETTINGS button to set the minutes.
20. The **minute** digits will flash.
21. Press and release the + or - buttons to adjust minutes.
22. Confirm with the SETTINGS button and select the year.
23. The **year** will flash.
24. Press and release the + or - buttons to set the year.
25. Press the SETTINGS button again to confirm and to enter the month setting.
26. The **month** will flash.
27. Press and release the + or - buttons to set the month.
28. Press the SETTINGS button again to confirm and enter the date setting.
29. The **date** will flash. (Day of the week will set automatically)
30. Press and release the + or - buttons to set the date.
31. Confirm all calendar settings with the SETTINGS button and select Fahrenheit/Celsius.
32. **°F** will flash.
33. Press and release the + or - buttons to select Celsius.
34. Confirm with the SETTINGS button and exit.

Does the clock have a backlight?

- ✓ No, as this clock is battery operated there is no backlight.

Time is off by hours

- ✓ Check to see if the [WWVB](#) Tower icon appears on the atomic digital clock. If not, the digital clock has not received a WWVB time signal in the past 24 hours.
- ✓ Reposition the digital clock with the front or back facing Colorado.
- ✓ Check that the [Time Zone](#) selected correctly reflects your location. Adjust the time zone in the [Program Menu](#).
- ✓ Check that the DST indicator is correct for your location (On this clock, please change the DST setting to OFF unless you live in Arizona). 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.

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 the atomic digital 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. On this clock, please change the DST setting to OFF unless you live in Arizona.
- ✓ Check for fresh [batteries](#). Without proper batteries, the antenna will have a harder time picking up the signal.
- ✓ Position the digital 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, position the clock near an outside wall and point the unit in this general direction.

Atomic clock is dim

Explanation: Most atomic clocks have a dark background. Place the atomic clock at eye level, to determine if it is dim. Atomic 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 atomic clock.
- ✓ Press any button 20 times. Leave the atomic clock unpowered for 1-2 hours.
- ✓ Install fresh alkaline batteries with correct polarity.

Atomic clock has distorted or frozen display

Explanation: On a brand new atomic clock, check for thin plastic film of **printed scratch guard** that may be on the screen of the atomic clock. This thin piece of plastic has printed numbers for store displays. When the batteries are installed, the "real" numbers show behind the printed scratch guard and create distortion.

- ✓ With all power removed, the atomic clock should be blank.

- ✓ If numbers still appear, please check for scratch guard.

Power:

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

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 atomic clock.
- ✓ Press any button 20 times. Leave the batteries out of the display for 2 hours.
- ✓ Insert batteries into the atomic clock.

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 atomic clock.

Atomic clock has missing segments

Explanation: When parts of numbers, letters, or pictures are missing on the display, it is often power related.

- ✓ Batteries may be overpowered or underpowered. Remove batteries from atomic clock.
- ✓ Press any button 20 times. Leave the atomic clock unpowered for 1-2 hours.
- ✓ Install fresh alkaline batteries with correct polarity.