

#### LIMITED ONE YEAR WARRANTY

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#### For warranty claims, please contact:

Customer Care Department  
Chaney Instrument Co.  
965 Wells Street  
Lake Geneva, WI 53147  
www.AcuRite.com

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

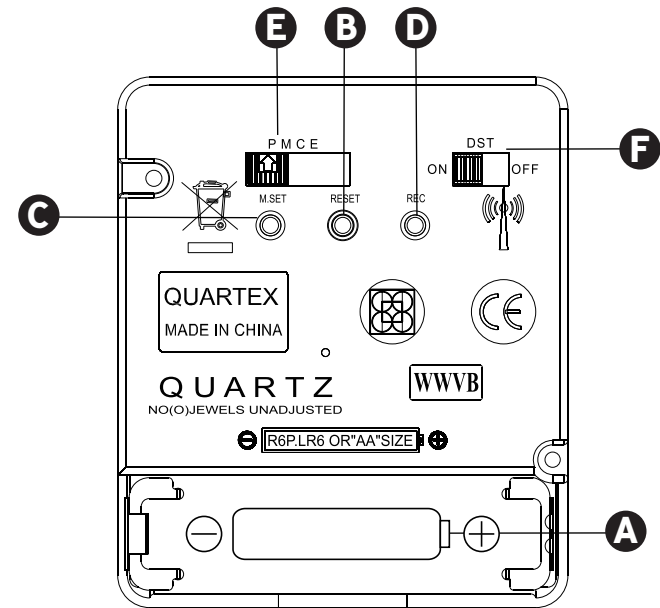
- 1- This device may NOT cause harmful interference, and
- 2- This device must accept any interference received, including interference that may cause undesired operation.

NOTE: 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 the 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.

NOTE: 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.

# CHANEY®



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|------------------------------|---|
| <b>A</b> Battery Compartment | <b>D</b> Receive Atomic Signal Button             |
| <b>B</b> Reset Signal Button | <b>E</b> Time Zone Switch                         |
| <b>C</b> Manual Set Button   | <b>F</b> Daylight Saving Time (DST) On/Off Switch |

## Atomic Clock Instruction Manual

## Introduction

Chaney and AcuRite atomic clocks use a radio-controlled signal to synchronize to the correct time broadcast by the National Institute of Standards and Technology (NIST) Radio Station WWVB, located near Fort Collins, Colorado. WWVB broadcasts the current time and date with split-second accuracy.

Atomic clocks set themselves and automatically adjust for daylight saving time to provide the most accurate timekeeping standard possible.

## SETUP

1. Locate the Time Zone Switch (E) on the back of the clock. The switch has four time zone indicators: P, M, C & E (P=Pacific, M=Mountain, C=Central, E=Eastern). Move the switch to select your time zone.
2. Slide the "DST" switch (F) to the ON position to allow the clock to automatically set itself for daylight saving time (DST). On the Spring and Fall DST dates, at 2:00 am, the clock will adjust itself until the correct time is reached. If you live in an area that does not observe daylight saving time and do not want the clock to change, place the "DST" switch in the "OFF" position.
3. Find a suitable location for your clock. For the best possible reception, place the clock with the back side facing Colorado.

The atomic signal can be impacted by weather conditions, electrical interference and solar conditions. Although atomic clocks can work in most locations, the number of times they synchronize with the atomic signal depends on suitable clock placement. Signal reception is especially important for automatic daylight saving time updates, which can be delayed from poor signal reception.

4. Insert one fresh 1.5 volt "AA" battery in the battery compartment (A) to power on the clock .
5. After the battery is inserted, the second hand will move clockwise to the 12:00 position. Within 5 minutes the hour and minute hand will also move to the 12:00 standby position. The clock will then search for the atomic signal. If the signal in your area is strong, the clock will set itself within 3-12 minutes. NOTE: Due to solar radiation in the atmosphere, a radio controlled clock signal is weaker during the day. Most synchronization with the atomic signal happens at night when there is less interference.

## Setup Is Now Complete

Once the atomic signal has been received by the clock, the minute hand will advance or slow down as necessary until the clock sets itself to the correct time.

## MANUAL SETUP

Manual setup allows you to set the clock without the atomic signal. After manual setup, the clock will continue to search for the atomic signal.

- Press and hold the "M.SET" button (C) for 3 seconds. The clock will be in manual time set mode.
- Press the "M.SET" button to advance the time by 1 minute.
- Press and hold the "M.SET" button to quickly advance the hour and minute hands.
- Press the REC button (D) to exit manual time set mode.
- If no button is pressed for 3 minutes you will automatically exit manual time set mode.

- Replace battery annually or when the clock cannot receive the atomic signal.
- Keep clock clean, dry and dust-free by cleaning it regularly with a soft cloth.
- Do not use corrosive cleaners or chemicals on the clock.
- Always store the clock without a battery when not in use.

**Mount the Clock**

- Utilize the hanger molded into the backside of the clock for wall mounting.
- Use a securely anchored screw, nail or hook to support the weight of the clock.
- Ensure the mounting screw/nail head is large enough to secure the clock and it from slipping off in the event that it is bumped.

**Outdoor Use**

*This only applies to clocks that are labeled for outdoor use.*

- Extended periods of cold temperatures (below -4°F / -20°C) can cause alkaline batteries to function improperly. Use lithium batteries in low temperatures to ensure continuous operation of the clock.
- To extend the life of the clock, place in an area protected from direct weather elements.

Problem	Possible Solution(s)
<p><b>Poor Signal</b></p>	<ul style="list-style-type: none"> <li>• Place clock near a window with the curtains or blinds open to improve signal reception.</li> <li>• Place clock more than 3 ft away from electronics or wiring to minimize interference. Electronics (computers, TV's, fluorescent lights, microwaves, etc.) can interfere with signal reception.</li> <li>• If you do not find good reception on your first attempt, try again later. Reception may be impacted by the weather, season, time of day and solar activity. The best reception is typically at night just before/after sunrise and sunset. In areas and times of very poor reception, it may take a few days before the signal can be received.</li> <li>• On rare occasions the atomic signal WWVB transmitter is turned off for repair or maintenance.</li> </ul>
<p><b>Clock will not synchronize</b></p>	<ul style="list-style-type: none"> <li>• Insert a new 1.5 volt "AA" battery</li> <li>• Take the clock outside on a clear night and remove the battery. Power it up by reinserting the battery, which will force it to search for the atomic signal again. If the clock works outside but not inside, you may have an indoor interference problem.</li> </ul>

<b>Problem</b>	<b>Possible Solution(s)</b>
<p><b>Clock is inaccurate</b></p>	<p>If the clock is inaccurate, force the clock to search for the atomic signal using the following steps:</p> <ul style="list-style-type: none"> <li>• Press and hold the “REC” button (D) for 3 seconds. The clock will search for the atomic signal.</li> <li>• The clock’s hands will move to the 12:00 position and the atomic signal will be received within 3-12 minutes.</li> <li>• Once the atomic signal has been received, the clock will set itself to the correct time.</li> <li>• If the time DOES NOT set itself after 12 minutes, the signal was not received and the clock will go back to the time that was set before the forced reception.</li> </ul>
<p><b>Clock does not receive signal after 12 minutes or more</b></p>	<p>If the clock does not receive the atomic signal after 12 minutes, restart the setup process by pressing the “RESET” button (B).</p>

# IMPORTANT NOTICE

YOUR PRODUCT MUST BE REGISTERED TO RECEIVE WARRANTY SERVICE

**PRODUCT REGISTRATION**  
 Register this product to receive 1-year warranty protection  
**www.AcuRite.com**

**SUPPORT**  
 Support Forum  
 Archived Products  
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Have questions about product setup or operation? We're here to help!

**24/7 Support:** [www.AcuRite.com](http://www.AcuRite.com)

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- › Product Manuals
- › Frequently Asked Questions
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