

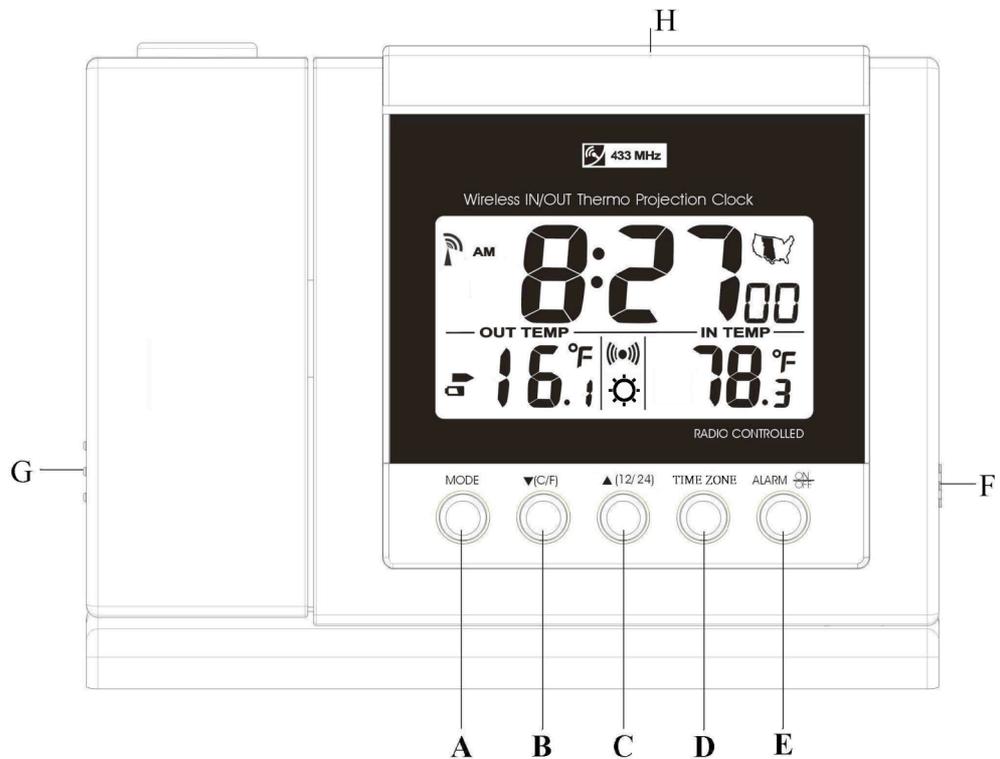


Thank you for purchasing the Radio Controlled Projection Alarm Clock with Indoor and Outdoor Thermometer.

Features:

- Radio controlled timekeeping with manual setting option
- Adjustable projector focus and reversible projection display
- Indoor & outdoor temperature readings
- Projector displays time, indoor & outdoor temperature
- Selectable 12/24 hour time display
- Green LED back light
- Button for radio controlled time reception
- Alarm with snooze

**Main Unit
Front View.**



A: “MODE” button

B: “▼C/F” button

C: “▲(12/24)” button

D: “TIME ZONE” button

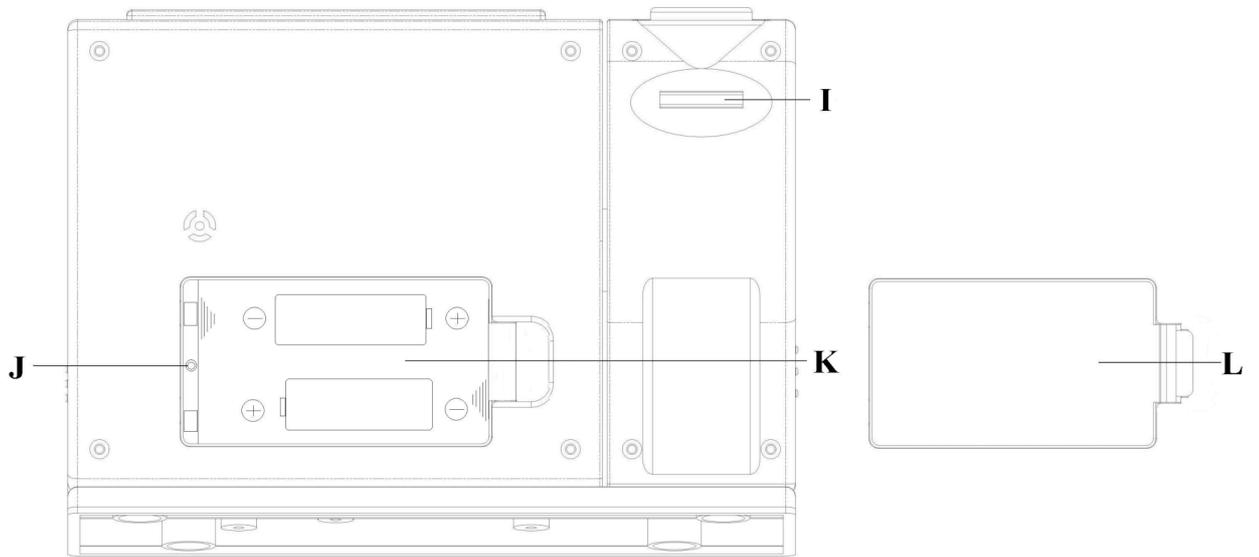
E: “ALARM ON/OFF” button

F: Projection ON/OFF slide switch

G: Projection “ROTATE” slide switch

H: “SNOOZE/PROJECTION/LIGHT” button

Back View



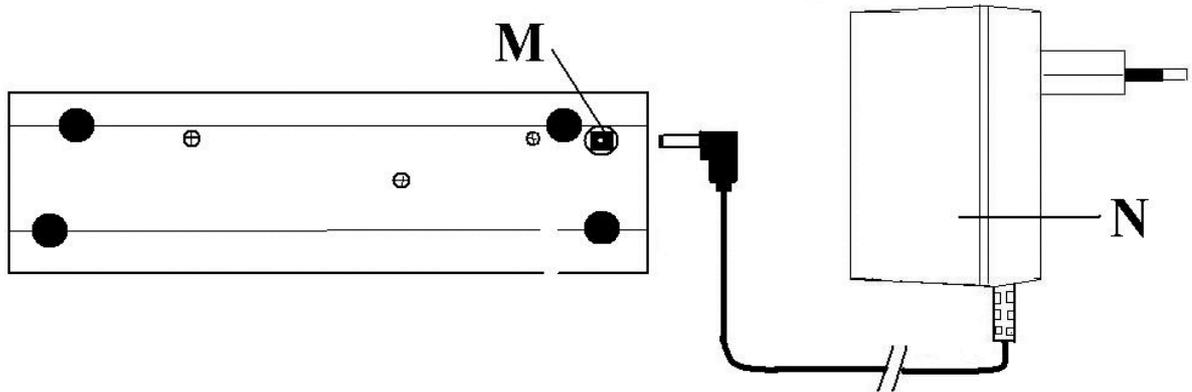
I: Projector Focus Wheel

K: Battery Compartment

J: RESET button

L: Battery Compartment Door

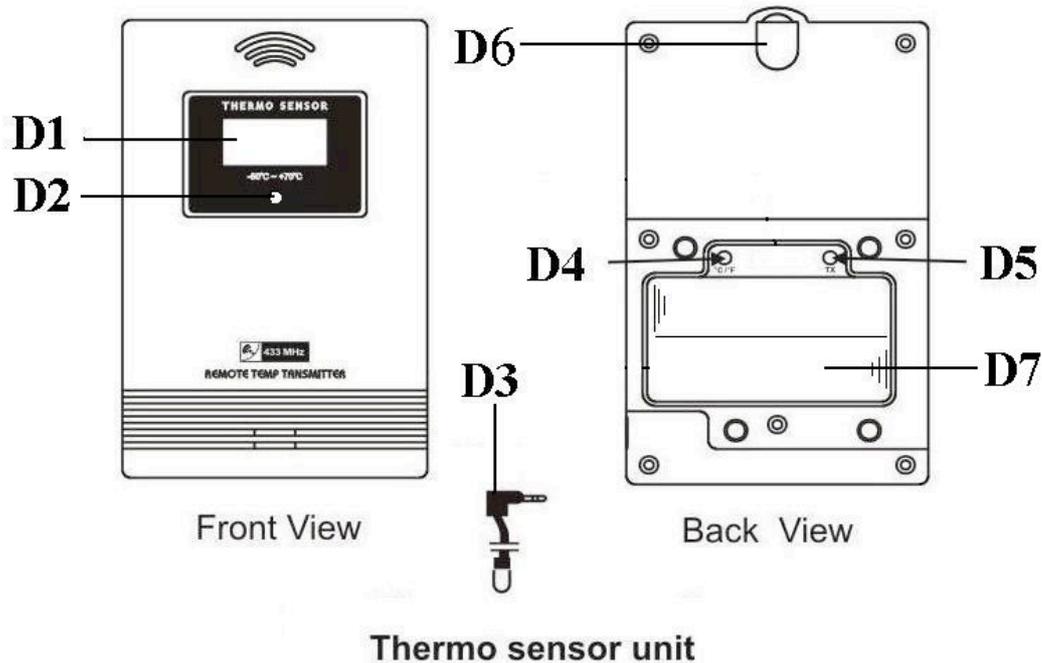
Bottom View



M: Adaptor Plug

N: Adaptor

Thermometer Sensor Unit:



- | | |
|--------------------------------|-------------------------|
| D1: Outdoor Temperature | D5: “TX” button |
| D2: Transmission Indicator LED | D6: Wall Mount Hole |
| D3: Temperature Probe | D7: Battery Compartment |
| D4: “C/F” button | |

Step One: Getting Started

- Insert 2 “AAA” batteries in the remote transmitter. Always insert batteries in to the transmitter before inserting batteries in the main unit. At extremely low temperatures, below 15F, battery voltage output decreases and may cause your outdoor temperature reading to go blank. Using lithium batteries can increase the effective temperature range as they function at lower temperatures than alkaline batteries.
- Your new clock and thermometer unit can be operated either with batteries or by using the enclosed AC adapter. To use the adapter simply attach the adapter into the base of the clock, and insert the plug into a wall outlet. To use batteries insert 2 “AA” batteries into the main unit. The set-up procedure is as follows.
- Press the TX button on the back of the remote unit (D5) to transmit the temperature data from the remote sensor to the main unit. The transmitter can be placed up to 100’ (30M) away from the main unit. Walls, power lines, fences and other structures can interfere with the remote signal so it is recommended the remote be placed as close to the main unit as possible. Place the remote unit out of direct sunlight, rain & snow.
- If the main unit does not receive the temperature transmitted from the thermo sensor, hold the “TIME ZONE ” button (D) for 3 seconds to cancel the channel

manually. It will automatically register the thermometer sensor again when a temperature signal is received.

- If there is no temperature displayed in existing channel (“ - - . - “ is displayed on the LCD), hold the “TIME ZONE” button (D) for 3 seconds to cancel that channel and receive the signal again. A “Beep” sound will be heard.

Step Two: Radio Controlled Time Set Up

Selecting the Ideal Location: Like a typical AM radio, the radio controlled time of your Atomix Clock will not receive the WWVB signal in places surrounded by heavy concrete or metal panels. For best reception, please install the home receiver near a window. The time signal reception is also greatly affected by electrical or electronic interference. If the home receiver location you selected does not work, change to a location in another part of the room or building.

- The clock automatically starts scanning for the WWVB Radio Controlled time signal when batteries are inserted ( flashes on the LCD). Note: The clock will not respond to any manual settings while attempting to receive the Radio Control Time signal. This reception cycle lasts from 2 to 5 minutes. To turn the reception off and to enable manual settings, press the TIME ZONE button.
- The clock automatically scans for the time signal at 2:00a.m. every day to maintain accurate timing. If the Radio Controlled time signal is not received, scanning stops ( on LCD will not appear) and repeats again at 3:00a.m., 4:00a.m., and 5:00a.m.
- The clock can be made to manually scan for the Radio Controlled time signal by holding the “▲” & “▼” buttons at the same time. If the Radio Controlled time signal is not received, scanning stops ( on LCD will not appear) and repeats again 4 times in the next 4 hours until the signal is received. (example: if a scan at 8:20 fails, it will scan again at 9:00; 10:00; 11:00 & 12:00)
- Stop scanning by holding the “▲” & “▼” buttons at the same time.

*  Icon flashes to indicate the unit is receiving the WWVB signal.

 Icon turns on to indicate the WWVB signal has been received successfully.

Manual Time Setting:

- To select your local time zone press “TIME ZONE” (D) button. A map appears on the upper right hand corner of the screen that helps you choose a time zone.



- When the Time or Calendar is displayed on LCD press and hold the “MODE” (A) button to enter the setting mode. After the unit beeps the hour digit will flash. The data will appear on the screen in this order:

Time (hour, minutes) → Year → Month → Date → Day → Daylight Saving Time

- Press the “▲” (C) & “▼” (B) buttons to adjust the Hour, Minutes, Year, Month, Day and DST ON/OFF (“” is centered on the bottom half of the LCD).

Pressing the button once will change the setting by one unit. Holding the button down will enter the fast setting mode.

- Press “MODE” (A) button to confirm each setting
- The clock will automatically exit the TIME SETTING mode if no adjustments are made within 10 seconds.

- Use a pin or similar small object to press the “RESET” button located inside the battery compartment of the receiver unit if the clock is not working properly. This will reset the clock to the default settings. You can then start the setting procedure again.

Step Three: Projector and Alarm Set Up

Projector Function:

- To switch on the projector slide the projection ON/OFF Slide Switch (F) to “On.”
- To project Time and Temperature press “SNOOZE/ PROJECTION/ LIGHT” (H) on the top of the unit. The first press of H will project the time, the second press will display the outdoor temperature and a third press will display the indoor temperature.
- To adjust the focus turn the “Focus” Wheel (I) right or left.
- To reverse the projection content by 180° slide the Project “ROTATE” Slide Switch (G).

Snooze Alarm Clock Function:

- To switch the alarm on press the “ALARM ON/OFF” (E) button. When the alarm is set “” appears on the LCD.
- To change to the Alarm Time display press the “MODE” button twice. Hold the “MODE” button for 2 seconds. The hour digit will blink. Adjust the setting to your desired alarm time with the “▲” or “▼” buttons.
- To change the alarm clock minute display, press the “Mode” button again. The Minute digits will blink. Adjust the setting to your desired alarm time with the “▲” or “▼” buttons.
- To check the AM and PM icons, look to the left of the hour button when setting the alarm to be sure the alarm is set for the proper time.
- To return to the Time display press “Mode” again.
- To use the Snooze feature, press “SNOOZE/ PROJECTION/LIGHT” button (H) when alarm sounds. The alarm snoozes for 5 minutes and then sounds again.
- To switch off the alarm press the “ALARM ON/OFF” (E) button (“” icon will disappear).

Thermometer:

- To select either Celsius or Fahrenheit thermometer readings press the “▲°C/°F” button.

12/24 Hr:

- To select 12 or 24 hour time display format press the “12/24” button.

Back Light:

- To illuminate the back light for 5 seconds press the “SNOOZE/ PROJECTION/ LIGHT” button.

Additional Information:

- Insert the batteries in the remote temperature sensor before inserting batteries in the main unit.
- Avoid placing the clock near potential interference sources and metal objects such as computer monitors or TV sets.
- Placing the clock closer to a window & towards the general direction of the remote transmitter increases its ability to read the remote temperature signal. The signal will be weaker in a basement. The transmitter range is 100’ (30M) in a clear setting.
- Never use the clock in a bathroom or any other area with high humidity.
- The normal operating temperature of the clock and the remote transmitter is 32 °F - 140°F (0°C –60°C). The operating temperature of the remote sensor using the wired probe is -58°F to 158°F (-50°C to 70°C). The remote will usually function if left outside in below freezing temperatures if the batteries are strong. Once the temperature falls below 23°F the battery output will decrease and the transmitter may fail to function. This failure is due to the inability of the batteries to supply enough power to the transmitter. We recommend that for prolonged periods of extreme cold that the transmitter be brought indoors. The outdoor temperature can still be measured using the wired probe.
- The clock loses all setting information when the battery is removed.

Use of 10 foot wired Temperature Probe:

- Insert the probe plug on the right hand side of the Thermometer Sensor Unit.
- Put the metal casing outside and leave the Thermometer Sensor Unit indoors to avoid freezing the battery when the outdoor temperature is below 32 °F (0°C).
- Always use the temperature probe to sense the temperature when the temperature is between the following ranges: -58°F ~ 32°F (-50 °C ~ 0°C) and 122°F ~ 158°F (+50°C ~ + 70°C)

Low Battery Indicator: The Low Battery icon “” appears on the outdoor temperature display or thermometer sensor unit to indicate the external transmitter needs to have the batteries replaced.

LIMITED WARRANTY—INTERNATIONAL

Consumer may have more remedies at law than follows. Chaney Instrument Company warrants to the owner, this product to be free from defect in material and workmanship for one year from date of purchase. CHANEY INSTRUMENT SHALL NOT BE LIABLE FOR ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER ARISING IN CONTRACT OR TORT. Chaney Instrument's obligation (at its option) is limited to repair or replace this product.

For in-warranty repair, send clock, accompanied by Guarantee, bearing Dealer's name and date of purchase, with \$5.00 to cover handling and postage, to:

Chaney Instrument Company
965 Wells Street
Lake Geneva, Wisconsin 53147