TIMEX®

Atomic Digital Clock
with indoor/outdoor temperature,
calendar and moon phase

MODEL # 75324T

USER GUIDE

Package Contents:
(1) Atomic Digital Clock
(1) Wireless Outdoor
     Temperature Sensor
(1) User Guide

What You'll Need:
(8) AA Batteries

NOTE: A clear protective film is applied to the LCD at the factory that must be removed prior to using this product. Locate the clear tab and simply peel to remove.

Thank you for purchasing this quality TIMEX® brand product. Please read these instructions COMPLETELY to fully understand the features and functions of this clock, and to enjoy its benefits. Make sure to keep this guide handy for future reference.

To receive product information, register your product online. It's quick & easy!
Log on to **http://www.chaneyinstrument.com/ProductReg.aspx**

WHAT IS AN ATOMIC CLOCK?

An Atomic clock is a timepiece that maintains accuracy up to one second per million years using the most precise method of time synchronization, radio signals. In North America, the National Institute of Standards and Technologies (NIST) operates an Atomic clock in Fort Collins, Colorado, that transmits the time codes via the radio station WWVB.

This quality TIMEX® clock includes a built-in receiver that picks up the Atomic radio signal from WWVB. To maintain the best possible reception, place the unit so that the backside faces in the general direction of Colorado. What's more, the IntelliTime® technology built into this clock makes for hassle-free automatic setting and resetting for daylight saving time.

PLEASE NOTE: Due to solar radiation in the atmosphere, the atomic clock signal is weaker during the day. Most synchronization will happen at night when there is less interference.

INDIGLO® BACKLIGHT FEATURE

To turn on the optional Indiglo® backlight feature, you can set the brightness level on high or low, whichever you prefer. By doing so, the clock will automatically light up in the dark. If not needed, you may choose the OFF setting. This will prevent the backlight from coming on and will conserve battery power.

Please DO NOT return product to the retail store. For technical assistance and product return information, **please call technical support @ 877-221-1252** Monday - Friday -- 8:00 a.m. - 4:30 p.m. CST
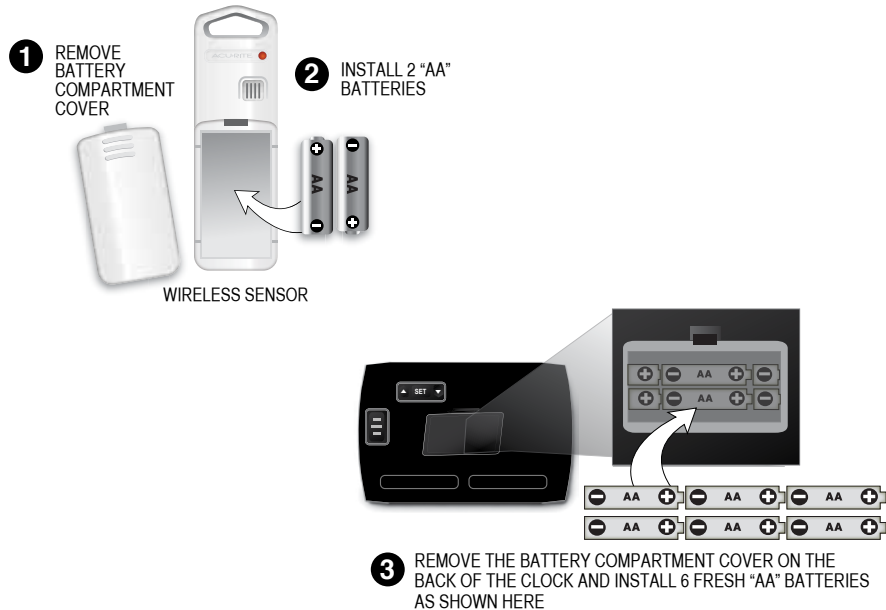
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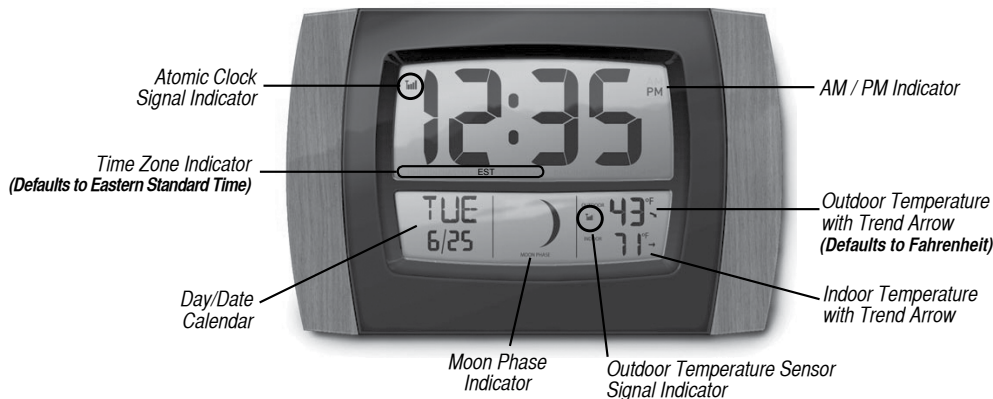**Chaney Instrument Co.**
Lake Geneva, WI 53147
www.chaneyinstrument.com

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BASIC SETUP

1. **Battery Installation** - **BEGIN WITH THE OUTDOOR WIRELESS SENSOR**

❶ REMOVE BATTERY COMPARTMENT COVER

❷ INSTALL 2 "AA" BATTERIES

WIRELESS SENSOR

❸ REMOVE THE BATTERY COMPARTMENT COVER ON THE BACK OF THE CLOCK AND INSTALL 6 FRESH "AA" BATTERIES AS SHOWN HERE

2. **Initial Setup** - once the batteries are installed, the clock will power up. The display will appear as follows:

Atomic Clock Signal Indicator

AM / PM Indicator

Time Zone Indicator
(Defaults to Eastern Standard Time)

Outdoor Temperature with Trend Arrow
(Defaults to Fahrenheit)

Day/Date Calendar

Indoor Temperature with Trend Arrow

Moon Phase Indicator

Outdoor Temperature Sensor Signal Indicator

The clock will initially set itself to the correct time, defaulting to EST (Eastern Standard Time). It will also begin displaying the temperatures. The clock will begin searching for the Atomic signal.

After the clock acquires the Atomic clock radio (this may take 24-48 hours) the time, date and daylight saving time changes will update automatically, giving you maintenance-free operation and perfect time precision.

Product Specifications

Indoor Temp. Range = 32°F to 140°F (0°C to 60°C)
Outdoor Temp. Range = -40°F to 158°F (-40°C to 70°C)
Atomic Clock Frequency = WWVB 60Khz
433Mhz - Radio Signal
Synchronizes daily
100' (30m) Radio Frequency Transmission Range
Power Requirements = (8) "AA" Alkaline Batteries

BATTERY SAFETY:
Clean the battery contacts and also those of the device prior to battery installation. Remove batteries from equipment which is not to be used for an extended period of time. Follow the polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the device. Dispose of used batteries properly. Only batteries of the same or equivalent type as recommended are to be used. **DO NOT** incinerate used batteries. **DO NOT** dispose of batteries in fire, as batteries may explode or leak. **DO NOT** mix old and new batteries or types of batteries (alkaline/standard). **DO NOT** use rechargeable batteries. **DO NOT** recharge non-rechargeable batteries. *DO NOT* short-circuit the supply terminals. **PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.**

LIMITED ONE YEAR WARRANTY - Chaney Instrument Company warrants that all products it manufactures to be of good material and workmanship and to be free of defects if properly installed and operated for a period of one year from date of purchase. REMEDY FOR BREACH OF THIS WARRANTY IS EXPRESSLY LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE ITEMS. Any product which, under normal use and service, is proven to breach the warranty contained herein within ONE YEAR from date of sale will, upon examination by Chaney, and at its sole option, be repaired or replaced by Chaney. In all cases, transportation costs and charges for returned goods shall be paid for by the purchaser. Chaney hereby disclaims all responsibility for such transportation costs and charges. This warranty will not be breached, and Chaney will give no credit for products it manufactures which shall have received normal wear and tear, been damaged, tampered, abused, improperly installed, damaged in shipping, or repaired or altered by others than authorized representatives of Chaney.

TROUBLESHOOTING

PROBLEM	POSSIBLE SOLUTIONS
Poor Atomic Clock Reception (No bars)	Relocate or reposition the clock, making sure the backside of the unit is facing in a direction toward Colorado from your location. Heavy stone or metal walls can obstruct the signal and disrupt reception. Place the clock at least 3 feet (0.91 m) from other electronic devices (i.e. TV's, microwaves, computers, etc.) that can interfere with wireless signals.
Poor Outdoor Sensor Reception (No bars)	You may be experiencing interference from other wireless devices using the same radio frequency channel. This clock comes equipped with 3 RF signal channels. Inside the battery compartments of both units, you'll find an ABC Switch. This switch allows you to toggle between the 3 channels to find that provides optimum reception.
Bad Temperature Reception (blank or flashing temperature)	Relocate the main unit and/or the wireless sensor. Both units must be within 100 feet (30m) of each other. Make sure units are placed at least 3 feet from other electronic devices or appliances that may interfere with the wireless communication (i.e. TV's, microwaves, computers, etc.) **You may need to reset both units by removing and re-installing the batteries.**
Display Not Working	Check to make sure the batteries are installed correctly. Use only fresh STANDARD "AA" batteries, not generic or extra strength. Make certain that the batteries are FRESH. If the expiration date on your batteries is less than 6 years away, they may not contain a full charge and can be weak.

3. **Choosing Your Time Zone**

1. Press and **HOLD** the SET button until you see the selection of seven time zones flashing on the LCD screen

2. Press the UP (▲) ARROW repeatedly until you reach your time zone, then press SET

HAST	AKST	PST	MST	CST	EST	AST
Hawaii Aleutian Standard Time	Alaska Standard Time	Pacific Standard Time	Mountain Standard Time	Central Standard Time	Eastern Standard Time	Atlantic Standard Time

In the event you wish to manually change the clock settings, please use the instructions on page 5.

Battery Choice & Temperature Range:

Extended periods of extreme cold temperatures (below -4°F/ -20°C) can cause alkaline batteries to function improperly. This may cause the outdoor wireless sensor to stop transmitting temperature readings. We recommend using lithium batteries in extreme low temperature conditions to ensure continued operation of the outdoor sensor.

LITHIUM BATTERIES -40°F (-40°C) (70°C) 158°F

ALKALINE BATTERIES -4°F (-20°C) (70°C) 158°F

Battery Power Consumption:

The following chart represents estimated battery life expectations based on how you use the Indiglo® backlight feature. Results may vary.

Backlight OFF	Approximately 3 years
LOW Backlight ON for 8 hours	Approximately 9 months
LOW Backlight ON for 24 hours	Approximately 4 months
HIGH Backlight ON for 8 hours	Approximately 1 1/2 months
HIGH Backlight ON for 24 hours	Approximately 13 days

To consrve battery power you may choose the OFF or LOW setting for the backlight.

Placement of the Clock:

Place the clock in an area free of dirt and dust. To help ensure an accurate indoor temperature measurement, be sure to place the main unit out of direct sunlight, and away from any heat sources or vents in your home.
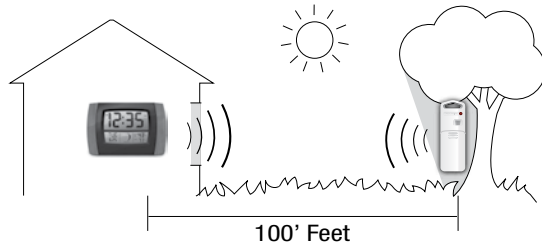
This clock may be hung on a wall using the integrated wall-hanging hole, or you may place the unit on a tabletop or other flat surface using the swing-out stands.

Placement of the Outdoor Sensor:

The wireless temperature sensor MUST BE PLACED OUTDOORS to capture and relay the outdoor temperature to the clock display unit. You may place your wireless temperature sensor outside up to 100 feet (30m) from the clock, as shown.

The sensor is water resistant and is designed for outdoor use. However, to extend the life of the product, place it in an area protected from harsh weather elements. To ensure an accurate temperature reading, be sure the sensor is out of direct sunlight and away from any heat sources.
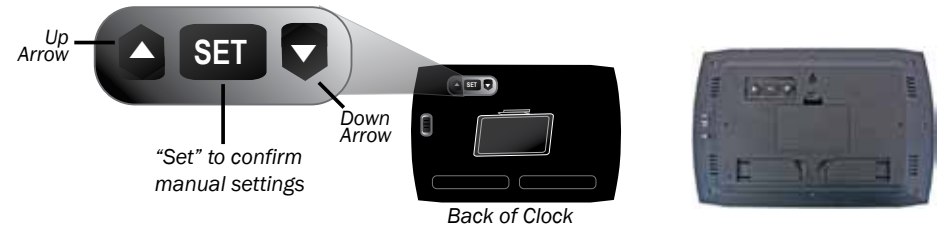
100' Feet

Wireless Signal Reception Icons

The main unit has signal reception icons in the outdoor temperature display area and near the clock display. For the first installation, the bars running to indicate the signal reception. Once received the signal, the temperature will be displayed. If there are a low number of "bars" present, you may experience the signal antenna. "T" flashing to indicate no outdoor temperature receive or inaccuracy. In either case, you may need to relocate one or both of the units. If most or all 4 of the "bars" are present, wireless reception is good and no action is required.

NO Reception

Strong Reception

SETTING THE CLOCK MANUALLY

Up Arrow

SET

Down Arrow

"Set" to confirm manual settings

Back of Clock

1) SETTING YOUR TIME ZONE

a) Press and **HOLD** the SET button until you see the selection of seven time zones

b) Press the UP (▲) ARROW **repeatedly** until you reach your time zone, then press **SET.**

2) TURNING ATOMIC CLOCK FEATURE ON/OFF

NOTE: You do NOT need to turn off the atomic clock to set the time manually. Once the clock receives the signal, it will adjust the clock accordingl. However, you may choose to deactivate the atomic clock feature completely if you prefer to manually control the clock or if you live in a remote area that does not readily receive the atomic signal. As long as the atomic clock is ON, it will automaticlly adjust itself to the correct time, overriding your manual setting.

Press the UP (▲) ARROW to or DOWN (▼) ARROW buttons **to turn OFF Atomic signal**. This will stop the clock from searching for the Atomic radio signal, and allow you to set the clock manually.

3) SETTING THE CLOCK & CALENDAR

a) Press the UP (▲) ARROW to turn **DST** (Daylight Saving Time) function on or off. Press "SET" to confirm.

b) The **HOUR** will flash	Press the UP (▲) ARROW *repeatedly,* until the correct hour (AM or PM) is displayed.	Press "SET" to confirm
c) The **MINUTE** will flash	Press the UP (▲) ARROW *repeatedly,* until the correct minute is displayed.	Press "SET" to confirm
d) The **YEAR** will flash	Press the UP (▲) ARROW *repeatedly,* until the correct year is displayed.	Press "SET" to confirm
e) The **MONTH** will flash	Press the UP (▲) ARROW *repeatedly,* until the correct month is displayed.	Press "SET" to confirm
f) The **DATE** will flash	Press the UP (▲) ARROW *repeatedly,* until the correct date is displayed.	Press "SET" to confirm
DAY OF THE WEEK AND MOON PHASE WILL UPDATE AUTOMATICALLY AS YOU SET THE DATE		
e) The °**F** will flash	Press the UP (▲) ARROW to change between °**F and °C.**	Press "SET" to confirm

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