

Manual abstract:

5.0 volt a/c adapter cord for Forecast Station 3. @@@@Insert A/C adapter into the wall outlet then into the Forecast Station or insert 3 AA batteries (not included) into the Forecast Station (see Power the Forecast Station). The Forecast Station will light up and show, indoor temperature, humidity and channel 1. 2. Insert 2 fresh AA batteries into the transmitter, observing the correct polarity (see Install Batteries in the Outdoor Transmitter). Note: The CH switch is set to Channel 1 by default. Confirm channel 1 is selected. 3. Keep the transmitter 5-10 feet from the Forecast Station for 15 minutes to establish a good connection.

4. Within 3 minutes the station will beep and the outdoor temperature should be displayed on the Atomic Clock. If the outdoor temperature is not displayed after 3 minutes remove power from the transmitter and the Forecast Station for 60 seconds and start again from step 1. 5. For optimum 433 MHz transmission, the outdoor transmitter should be placed a distance of no more than 200 feet (60 meters, open air) from the Forecast Station.

IMPORTANT: When operating on a/c power, to avoid interference, the backlight and USB charge port will turn off while the Forecast Station searches for the WWVB signal. The backlight and USB charge port resume after a 2-10 minute search. □ □ Batteries: 1. Remove battery cover: Slide tab to the right and pull out to remove battery cover. 2.

Install three fresh AA batteries according to the polarity markings. □ Do Not Mix Old and New Batteries □ Do Not Mix Alkaline, Lithium, Standard, or Rechargeable Batteries If the Forecast Station does not show indoor temperature after 60 seconds, remove adapter and batteries, and wait for at least 60 seconds before repeating the setup process. **INSTALL BATTERIES IN THE OUTDOOR TRANSMITTER:** 1. Slide the battery cover down, then lift off the back of the transmitter. Note: Be careful not to break the tabs on the battery cover. 2. Confirm the channel selector switch is on channel 1. 3. Insert two fresh AA batteries into the transmitter. Observe the correct polarity (see marking inside battery compartment).

4. Keep transmitter 5-10 ft. from the Forecast Station during setup. 5. After 15 minutes, if the outdoor temperature shows on the Forecast Station, you can move the outdoor transmitter outside to a shaded location within range of the Forecast Station. Do Not Mix Old and New Batteries Do Not Mix Alkaline, Standard, Lithium or Rechargeable Batteries 3 4 WWVB RADIO CONTROLLED TIME The NIST radio station, WWVB, is located in Ft.

@@@@@@@@The WWVB radio station derives its signal from the NIST Forecast Station in Boulder, Colorado. A team of atomic physicists continually measures every second of every day to an accuracy of ten billionths of a second a day. These physicists have created an international standard, measuring a second as 9,192,631,770 vibrations of a Cesium 133 atom in a vacuum. This Forecast Station regulates the WWVB transmitter.

WWVB RECEPTION ICON with full signal strength will appear on screen in front of the date when the reception of atomic time is successful. □ □ □ □ □ □ □

Button SET ALARM +/-RCC +/-°C/°F MIN/MAX HEAT/DEW Press and Release Functions Move through program menu Confirm setting. View Alarm Activate/Deactivate Alarm 1 step forward (setup) Select temperature in °C/° F 1 step backward (setup) 1-time MAX values 2-times MIN values 1-time Heat Index 2-times Dew Point Switch channels (when using multiple transmitters) Dim backlight for night time. Activates backlight when using only batteries.

Trigger snooze alarm Hold 3-5 seconds Enter program menu, set time, date, etc.

Alarm set Search for WWVB signal Fast advance (setup) Fast backward (set) Resets all MIN / MAX values The tower icon will show solid when the Forecast Station has received the WWVB signal. No tower icon displayed. The Forecast Station was unable to receive a signal at this time. Reposition the Forecast Station for better signal reception or try again at bedtime. The Forecast Station will start searching at UTC: 07:00 and if no reception on the first attempt they will try again at 08:00, 09:00 and 10:00.

Each attempt will be at least 2 minutes and the most will be 10 minutes. If there is no signal or too much interference the receiver will only be on for 2 minutes. If the signal is good it may catch a signal in ABOUT 2-3 minutes. If the signal is marginal it will try to catch a signal for up to 10 minutes. CH LIGHT HI/LO HOLD ON/OFF Search for remote transmitter Turn continuous backlight ON or OFF (a/c adapter) LIGHT/SNOOZE (top) **IMPORTANT:** When operating on a/c power, to avoid interference, the backlight and USB charge port will turn off while the Forecast Station searches for the WWVB signal. The backlight and USB charge port resume after a 2-10 minute search. Note: In case the Forecast Station is not able to detect the WWVB-signal (disturbances, transmitting distance, etc.); the time may be manually set. Manual Signal Search: In normal mode, hold the RCC button until the reception icon appears to force a search of the WWVB signal. The WWVB icon will flash during the search.

If this icon disappears after the 2-minute search, the radio time signal is not available at the moment. □ □ Recommended distance to any interfering sources like computer monitors or TV sets is a minimum of 6 feet (2 meters). @@@@@@@@@@@@@@@@@@To turn the WWVB reception OFF: 1. 2. 3. 4. Hold the SET button for 5 seconds. WWVB and ON will flash. @@@@EST will flash. 2.

@@3. @@If you live in an area does not observe the DST change, switch this to the OFF position. DST 1. DST and ON will flash. 2.

Press and release the +/-RCC or +/-°C/°F button to turn DST to OFF. 3. Confirm with the SET button and move to 12/24 hour time format. 12 OR 24 HOUR TIME FORMAT: The Time may be displayed in 12-hour or 24-hour format. Default is 12-hour time.

Note: When in 12-hour format AM or PM will show in front of the hour. 1. 12H will flash. 2. Press and release the +/-RCC or +/-°C/°F button to select 24-hour time. 3. Confirm with the SET button and move to Set Time. SET TIME: To set the time manually: 1. 2. 3.

4. 5. 6. The hour digit will flash. Press and release the +/-RCC or +/-°C/°F button to select the hour. Press and release the SET button to set the minutes. The minute's digit will flash. Press and release the +/-RCC or +/-°C/°F button to select the minutes. Confirm with the SET button and move to Set Calendar. ON

ALARM SET: Hold the ALARM button for 5 seconds to enter the alarm time set mode.

1. The alarm hour digit will flash. 2. Press and release the +/-RCC or +/-°C/°F button to select the hour. 3.

Press and release the SET button to set the minutes. The minute digits will flash. 4. Press and release the +/-RCC or +/-°C/°F button to select the minutes. 5. Confirm with the SET button and exit. 6. The alarm icon will show above the minutes indicating the alarm is active. 7. The alarm icon will flash when the alarm is sounding. **DEACTIVATE ALARM:** 1. Press and release the ALARM button once to show Alarm Time.



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2. Press and release the ALARM button to deactivate the Alarm. The indicating the alarm is no longer active.

12H alarm icon will disappear SNOOZE: 1. When the alarm sounds, press the SNOOZE/LIGHT button to trigger snooze alarm for 10 minutes. The snooze icon Z₂ will flash when the snooze feature is active. 2. To stop alarm for one day, press ALARM button, while in snooze mode. The alarm icon will remain solid. Note: When the alarm sounds, it continues for 2 minutes and then shuts off completely. USB current weather is cloudy and the rainy icon is displayed, it does not mean that the product is faulty because it is not raining. It simply means that the air pressure has dropped and the weather is expected to get worse but not necessarily rainy. Note: After initial set-up, readings for Weather Forecasts should be disregarded for the next 48 hours.

This will allow sufficient time for the Forecast Station to collect air pressure data at a constant altitude and therefore result in a more accurate forecast. For every sudden or significant change in the Air Pressure, the Forecast Icons will update accordingly to represent the change in weather. If the icons do not change, then it means either the air pressure has not changed or the change has been too slow for the Forecast Station to register. Common to weather forecasting, absolute accuracy cannot be guaranteed. @@@@The word MAX will appear next to the indoor and outdoor temperature. @@The word MIN will appear next to the indoor and outdoor temperature. @@@@@It is the apparent temperature of how hot it feels to a human being. @@@@@To connect multiple remote transmitters to the Forecast Station: 1. @@2. @@3. @@4. @@5. Press and hold CH button on Forecast Station until a beep sounds. The Forecast Station will search for all outdoor transmitters. 6. @@7. @@8. @@9. Install the battery covers on each sensor. 10.

@@@@@Note: You cannot change channels if only one transmitter is connected. CHANNEL SCROLL: Press and release the CH button until you see the word AUTO appear in the outdoor data area. @@@@Avoid obstructions in the signal path. Keep transmitter and Forecast Station away from electronics. □ □ □ WWVB Reception icon The towange. Place the transmitter at least 6 feet in the air to improve signal transmission. Place both units in their desired location, and wait approximately 1-hour before permanently mounting the transmitter to ensure that there is proper reception. The outdoor temperature/humidity transmitter is water resistant, not waterproof and should not be placed anywhere it will become submerged in water or subject to standing water or snow. POSITION THE FORECAST STATION: 1. The Forecast Station has a wide base to sit on a desk or table.

2. Choose a location 6 feet or more from electronics such as cordless phones, gaming systems, televisions, microwaves, routers etc. 3. Place within range of the outdoor transmitter. 4.

The maximum transmitting range in open air is 200-feet (60 meters). Obstacles such as walls, windows, stucco, concrete, and large metal objects can reduce the range. 5. For best WWVB reception orientate the Forecast Station with the front of the back facing Ft. Collins Colorado.

13 5-volt a/c power adapter (included) Optional 3-AA, IEC, LR6 batteries (not included) 2-AA, IEC, LR6 batteries (included) Output 1 Amp maximum. Do not overload USB port. Battery life is over 24 months when using reputable battery brands for both Alkaline and Lithium batteries Forecast Station Battery Backup: Dimensions: Forecast Station: TX14TH Transmitter: Battery life is over 24 months when using the AC adapter for primary power 5.9" L x 2.36" W x 5.9" H (150 x 60 x 150mm) 2.5" L x 1.42" W x 3.98" H (64 x 36 x 101mm) ACCURACY: Indoor Temperature: □ Operating temperature range = 32 F to 122 F (0C to 50C) □ Accuracy ± 2 degrees Fahrenheit 32 F to 122 F (0C to 50C) □ Resolution = 0.1 degree F □ When above 122 F (50C) the temperature sensor should continue to read the correct temperature as long as the LCD Forecast Station continues to function □ When below 32 F (0C) the temperature sensor should continue to read correctly as long as the LCD Forecast Station continues to function Indoor Humidity: □ Operating Temperature Range = 32F to 120F (0C to 50C) □ Operating humidity range = 1% RH to 99% o o □ Accuracy +/- 5% RH (@77 F (25 C) , 30%RH to 80%RH) o o □ Accuracy +/- 8% RH (@77 F (25 C) , 20%RH to 29%RH & 80%RH to 95%RH) □ Accuracy +/-12% RH (@77oF (25oC) , 1%RH to 19%RH & 96%RH to 99%RH) □ Resolution = 1 % RH Outdoor Temperature: □ Operating temperature range = -40 F to 140F (-40C to 60C) □ Accuracy ± 2 degrees Fahrenheit 32 F to 122 F (0C to 50C) □ Accuracy ±4 degrees Fahrenheit -40 F to 32 F (-40C to 0C) & 122 F to 140 F (50C to 60C) □ Resolution = 1 degree F □ When above 140 F (60C) the temperature sensor should continue to read the correct temperature as long as the LCD Forecast Station continues to function □ When below -40F (-40C) the temperature sensor should Forecast Station continue to read correctly as long as the LCD Forecast Station continues to function 14 Outdoor Humidity: □ Operating humidity range = 1% RH to 99% o o □ Accuracy +/- 5% RH (@77 F (25 C) , 20%RH to 90%RH) o o □ Accuracy +/- 8% RH (@77 F (25 C) , 20%RH to 30%RH & 80%RH to 95%RH) □ Accuracy +/-12% RH (@77oF (25oC) , 1%RH to 19%RH & 96%RH to 99%RH) □ Resolution = 1 % RH Barometric Pressure: □ Measure range= 23.

62 inHg to 32.48 inHg (800mb to 1100mb) □ Resolution=1mb □ Measuring time interval: every 12 minutes WARRANTY INFORMATION: La Crosse Technology, Ltd provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship. @@@@La Crosse Technology, Ltd will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of La Crosse Technology, Ltd and must be returned to La Crosse Technology, Ltd. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer. La Crosse Technology, Ltd will pay all expenses for labor and materials for all repairs covered by this warranty. If necessary repairs are not covered by this warranty, or if a product is examined which is not in need or repair, you will be charged for the repairs or examination. The owner must pay any shipping charges incurred in getting the La Crosse Technology, Ltd product to a La Crosse Technology, Ltd authorized service center. La Crosse Technology, Ltd will pay ground return shipping charges to the owner of the product to a USA address only. @@@@THIS PRODUCT IS NOT A TOY.

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