WIRELESS ATOMIC COLOR FORECAST STATION
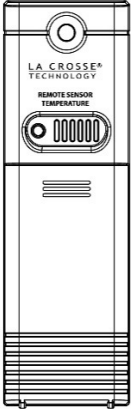

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Initial Setup

1. Insert 2 *new* AA batteries (not included) into the TX142THv2 sensor. Observe the correct polarity. The red LED will flash when transmitting.

2. Insert 3 *new* AA Alkaline batteries (not included) into the station. Observe correct polarity.

3. After 5 minutes, place the sensor outside in a shaded location. Maximum range is 300 feet (91 meters) open air.
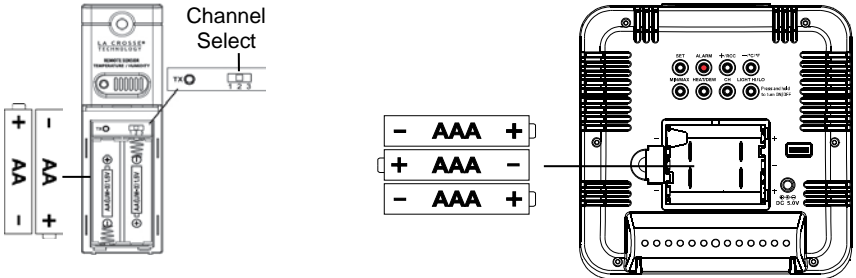
Atomic Time Search

The LCD backlight and USB charging port will momentarily turn off while the station searches for the atomic signal. After the initial search, this station will only search for the atomic signal after midnight.

- Press the **+/RCC** button to start or stop a manual signal search. WWVB Icon will flash

For information about WWVB visit:
www.nist.gov/pml/div688/grp40/wwvb.cfm

LCD Features

Animated Color Forecast Icons
All forecast icons shown together for illustration

Current Time, Alarm & Atomic Reception Icon

Calendar

Outdoor Temperature & Humidity

Indoor Temperature & Humidity

In / Out Heat Index

In / Out Dew Point

Buttons (back view)

SET   **ALARM**   **+/RCC**   **—/°C/°F**

MIN/MAX   **HEAT/DEW**   **CH**   **LIGHT HI/LO**

Press and hold
to turn ON/OFF
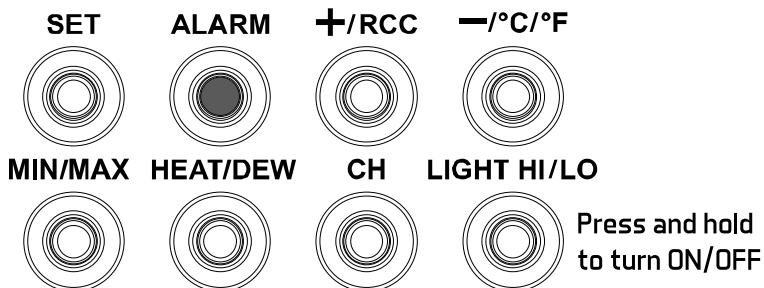
Set Time, Date, etc.

1. Hold the **SET** button to enter time set mode.
2. Press the **+/RCC** or **-/ºC/ºF** buttons to adjust values.
3. Press the **SET** button to confirm and move to the next item.

Settings order:
1. WWVB Reception
2. Time Zone
3. DST Indicator,
4. 12/24 Hour Time Format
5. Hour
6. Minutes,
7. Year
8. Month
9. Date   **Note:** Day of the week sets automatically.

TIME ZONE	
AST	Atlantic
EST	Eastern
CST	Central
MST	Mountain
PST	Pacific
AKT	Alaska
HAT	Hawaiian

1. WWVB Time On/Off	2. Time Zone	3. DST Indicator
WWVB **On**	TIME ZONE **EST**	DST **On**
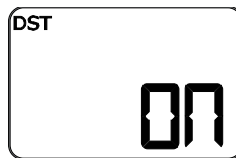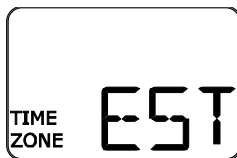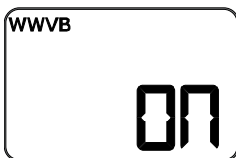
4.12Hr/24Hr Time	5. Hours	6. Minutes
12H	TIME AM **12:00**	TIME AM **12:34**
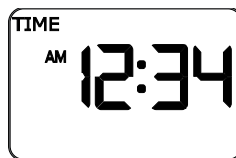
7. Year	8. Month	9. Date

Press the **-/°C/°F** button to exit or wait 20 seconds to exit.

Fahrenheit/Celsius Temperature Display

From the normal time display, press the **-/°C/°F** button to select Fahrenheit or Celsius temperature display.

Time Alarm

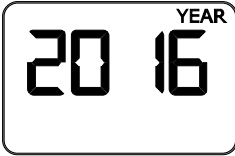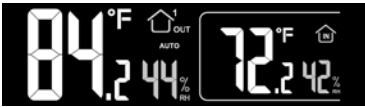1. Hold the **ALARM** button 3 seconds to enter alarm time set mode.
2. The hour will flash.
3. Use the **+/RCC** or **-/°C/°F** buttons to set the hour.
4. Press the **ALARM** button to confirm adjustments and move to the minutes.
5. The minutes will flash.
6. Use the **+/RCC** or **-/°C/°F** buttons to set the minutes.
7. Press the **ALARM** button to confirm and exit.

Activate/Deactivate the Alarm

- Press the **ALARM** button once to view alarm time.
- Press the **ALARM** button again to activate the alarm. Bell icon appears.
- Press the **ALARM** button again to deactivate the alarm. The bell icon disappears.

Snooze

- When alarm sounds, press the **LIGHT/SNOOZE** button to silence the alarm for 10 minutes.
- The alarm icon will flash.
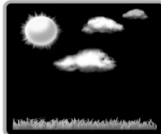- In snooze mode, press any button to stop alarm for one day.

Note: The alarm is crescendo sound. The alarm will sound for 2 minutes and then shut off completely.

Weather Forecast Icons

The unit predicts weather condition of the next 12-hours based on the change of atmospheric pressure. The weather forecast is about 70-75% correct.

SUNNY   PARTLY CLOUDY   CLOUDY   RAINY   STORMY
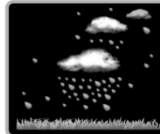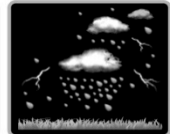
The Icons shown forecast the weather in terms of *getting better or worse* and not necessarily sunny or rainy as each icon indicates.

INTELLIGENT WEATHER FORECAST
This station learns. Please allow 7-10 days for barometric calibration. This will ensure an accurate personal forecast for your location.

Backlight

When using A/C power:
- Press the **LIGHT HI/LO** button to adjust the backlight brightness.
- Hold the **HOLD ON/OFF** button and the backlight will turn off completely. Hold again to turn on the backlight.

When using Battery power only:
- Press the **LIGHT HI/LO** button for 8 second backlight.

Heat Index | Dew Point

- Press the **HEAT/DEW** button once to view Heat Index.
- Press the **HEAT/DEW** button twice to view Dew Point.

MIN/MAX Values

The station automatically resets minimum and maximum values daily at midnight (12:00 AM).

- Press the **MIN/MAX** button to view maximum values**.**
- Hold the **MIN/MAX** button to reset maximum values**.**

- Press the **MIN/MAX** button to view minimum values**.**
- Hold the **MIN/MAX** button to reset minimum values**.**

Multiple Sensors

The forecast station will accommodate up to three remote outdoor sensors (TX142THv2), sold separately. Press the **CH** (channel) button to see the temperature on other channels.

To connect multiple remote sensors to the forecast station:
1. Remove the battery cover from all the sensors.
2. Set the **first** outdoor sensor to **Channel 1** and insert 2-AA batteries.
3. Set the **second** outdoor sensor to **Channel 2** and insert 2-AA batteries.
4. Set the **third** outdoor sensor to **Channel 3** and insert 2-AA batteries.
5. Press and hold **CH** button to search for all outdoor sensors.
6. Press the **TX** button on each outdoor sensor to transmit.
7. When connection is established, the respective temperature & humidity for each of the selected channels numbers will appear on the main unit.
8. Allow the sensors and the forecast station to stay 5-10 feet apart for 15 minutes to establish a solid connection.
9. Install the battery covers on each sensor.
10. After 15 minutes place the remote sensors in appropriate locations (see "position the outdoor sensor").

Press and release the **CH** button to view channel 1, 2 or 3 on the forecast station

Channel Scroll

The word AUTO will appear when the forecast station is set to scroll through the channels automatically.
- Press the **CH** button repeatedly until AUTO is displayed. The forecast station will rotate through all available channels.
- Press the **CH** button once to display only one channel continually.

USB Charge Port

Charge a smart phone, camera or other devices when the forecast station is plugged into a power outlet with the included 5.0V AC adapter.

Note: This is a power-output charging port. It does not supply power to the forecast station.

- Connect your external device's USB charging cable (not included) to the USB charging port.
- Charging times will vary.
- 1 Amp maximum current. Charge 1 Amp devices or devices that are self-regulating.

Restart

Restart: If the outdoor temperature shows dashes, remove batteries from the digital station & sensor and press any button 20 times. After 15 minutes, return to Step 1 under initial setup.

Specifications

Indoor:	
Temperature Range:	+32°F to +122°F (0°C to 50°C)
Humidity Range:	10%-99% (RH)
Interval:	About every 30 seconds
Outdoor:	
Temperature Range:	-40°F to 140°F (-40°C to 60°C)
Alkaline Batteries:	-20°F to 140°F (-28.8°C to 60°C)
Lithium Batteries:	-40°F to 140°F (-40°C to 60°C)
NOTE:	Temperatures below - 20°F (-28.8°C) require Lithium batteries in the outdoor sensor.
Humidity Range:	10%-99% (RH)
Distance:	Over 300 ft. (91 meters) RF 433MHz (open air)
Interval:	About every 50 seconds
Power:	
Forecast Station	
Primary Power: AC6: HX09-0501500-AU	5-volt AC power adapter (included)
Optional/Battery Backup	Optional 3-AA, IEC, LR6 batteries (not included)
TX142THv2 Sensor:	2-AA, IEC, LR6 batteries (not included)
USB	
USB Charge Port:	Output 1A
Battery Life:	
Forecast Station Battery Backup:	Battery life is over 24 months when using the AC adapter for primary power
TX142THv2 Sensor:	Battery life is over 12 months when using reputable battery brands for both Alkaline and Lithium batteries
Dimensions:	
Forecast Station:	5.9" L x 2.36" W x 5.9" H (150 x 60 x 150mm)
TX142THv2 Sensor:	1.57" x 0.79" x 5.12" (40 x 20 x 130mm)

Position Station

The station is designed to sit on a desk or table.
- For best WWVB reception orientate the station with the front of the back facing Ft. Collins, Colorado.
- Choose a location 6 feet or more from electronics such as cordless phones, gaming systems, televisions, microwaves, routers etc.
- Place within range of the outdoor sensor.
- The maximum transmitting range in open air is 300 feet (91 meters). Obstacles such as walls, windows, stucco, concrete, and large metal objects can reduce the range.

Position Outdoor Sensor

- Mount the outdoor sensor on a north-facing wall or in any well shaded area. Under an eave or deck rail is preferred.
- The maximum transmitting range to the station is over 300 feet (91 meters) in open air, not including walls.

Care and Maintenance

- Do not mix old and new batteries
- Do not mix Alkaline, Standard, Lithium, or Rechargeable Batteries
- Always purchase the correct size and grade of battery suitable for the intended use.
- Replace all batteries of a set at the same time.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed correctly with regard to polarity (+ and -).
- Remove batteries from equipment when it is not to be used for an extended period.
- Promptly remove expired batteries.

Warranty and Support

La Crosse Technology, Ltd. provides a 1-year limited time warranty (from date of purchase) on this product relating to manufacturing defects in materials & workmanship.

Before returning a product, please contact our friendly customer support with questions or visit our online help (manuals and FAQS):

Phone: 1-608-782-1610

Online Product Support: www.lacrossetechnology.com/support

Warranty Address:
La Crosse Technology, Ltd
2830 S. 26th St.
La Crosse, WI 54601

FCC Statement

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 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.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

Caution!
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.