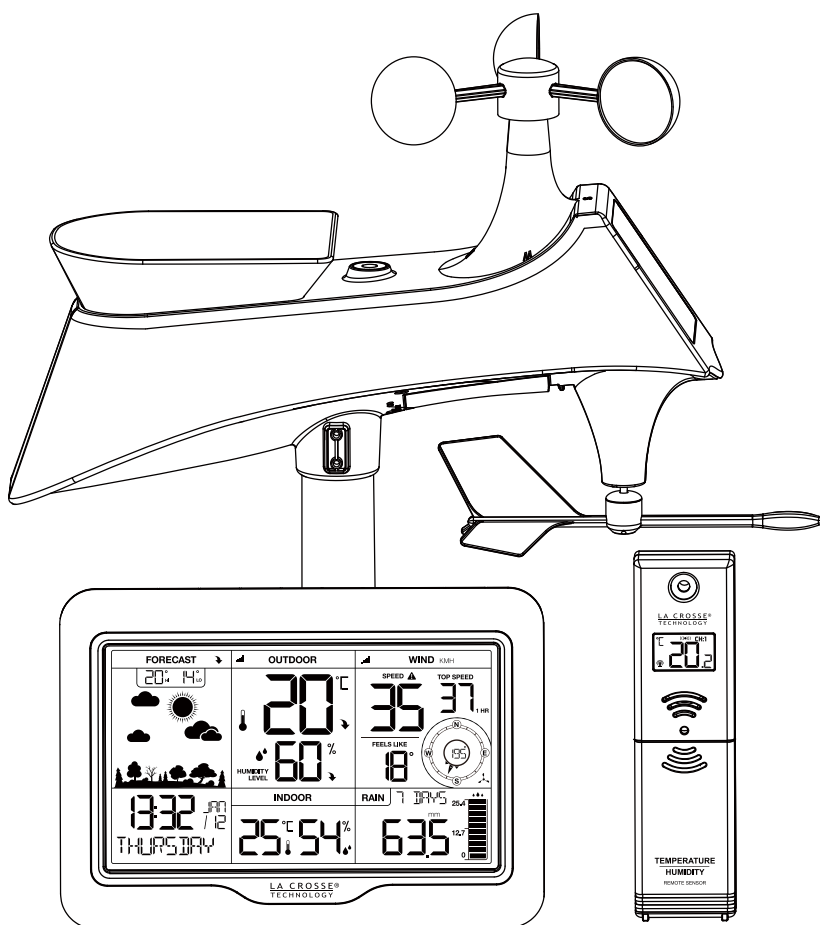


LA CROSSE® TECHNOLOGY



Instructional Manual

Model: WS6867

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Setup Preparation

Here are some items needed to setup your station (not included):

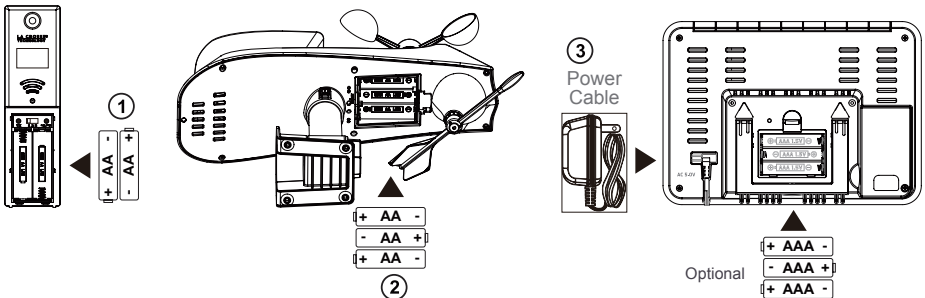
- 1. Phillips head screwdriver for assembly.
- 2. Fresh Batteries: 5 (five) AA alkaline or lithium batteries for the sensors.
- 3 (three) AAA alkaline batteries for the station (optional).

For best results:

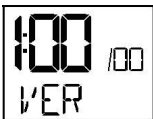
- Remove weather station and sensors from the package and place together on a table or bench, within easy reach.
- Place batteries and screwdriver within reach of setup location.
- Keep sensors and weather station 2-3 meter apart for the first 15 minutes after installing batteries.

Setup

- ① **Power up.** Observe correct polarity.
- Thermo-hygro sensor- 2-AA batteries
 - Multi-sensor- 3-AA batteries
 - Weather Station- 5.0 Volt AC adapter and 3-AAA batteries (optional)



Note: Batteries are not included



Software version will show for 2 seconds. Lower left corner.

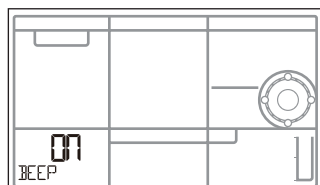
- ② **Place sensors outdoors** at least 2 meter above objects below them (ground, roof, etc.)
- Thermo-hygro sensor-Place in a shaded location to protect from sun.
 - Multi-sensor- Place in an open area. No obstructions for 15 meter in all directions.
- Enjoy your backyard weather!

- ③ **Configure basic settings.** Hold the SET button to enter settings. Press and release the +/- buttons to make adjustments and the SET button to confirm.

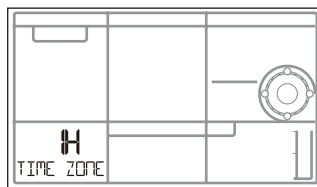
Settings order:

- BEEP ON/OFF
- Time zone (-12 to +12)
- Auto DST ON/OFF (Daylight Saving Time)
- Hour
- Minutes
- 12h/24h hour format
- Year
- Month
- Date
- Temperature (C/F)
- Wind degree or direction (letters) select
- Wind speed select (mph/kmh)
- Rainfall unit select (in/mm)

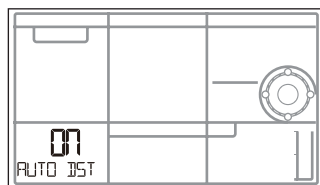
1. BEEP ON | OFF



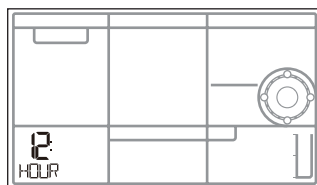
2. Time Zone (-12 to + 12)



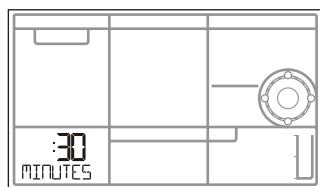
3. Auto DST ON | OFF



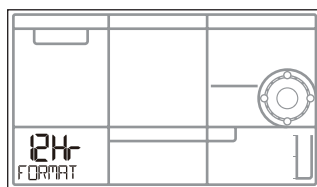
4. Hours



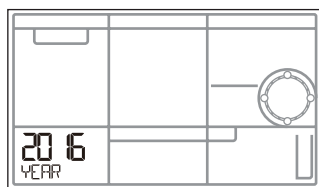
5. Minutes



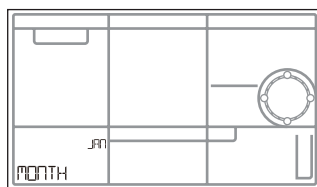
6. 12 | 24 Hour Format



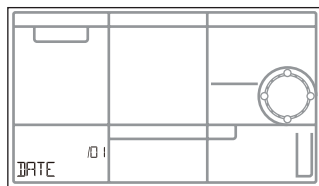
7. Year



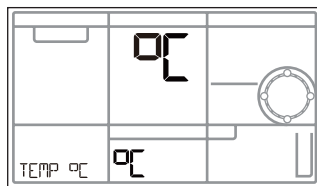
8. Month



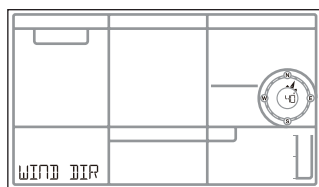
9. Date



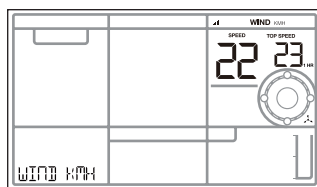
10. Fahrenheit | Celsius



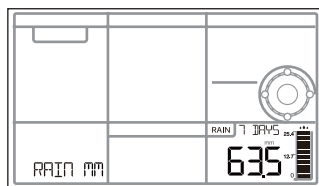
11. Wind Direction
(degrees | letters)



12. Wind Speed (MPH | KMH)

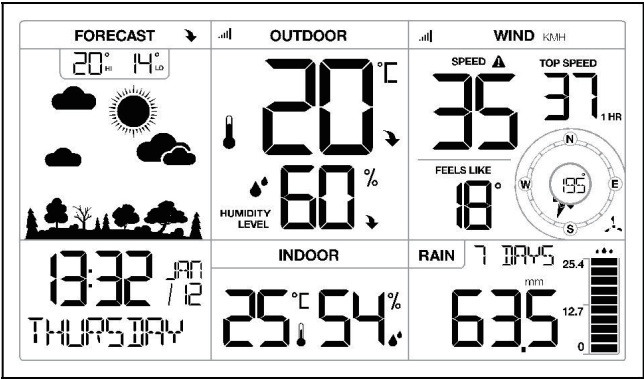


13. Rain (INCH | MM)



- Press the LIGHT button at any time to exit.
- After 30 seconds with no button press, the station will default back to normal time display.

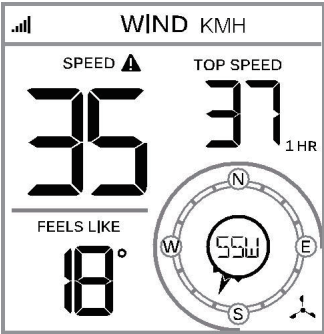
Display icons



- WIFI Strength
- Trend Arrows
- Sensor Strength
- HI | LO Alert
- °F | °C Fahrenheit | Celsius
- Forecast Icon
- Seasonal Trees
- Temperature
- % Percent Humidity
- Humidity
- Wind Direction
- Wind Speed
- Rainfall Graph

Wind Readings

- Current Speed: Highest speed past 30 seconds
- Top Speed: Highest speed in the past hour
- Feels Like: Temperature | Humidity | Wind Speed



- Wind Direction: In letters or degrees
- History: Press and release the WIND button to view:
1 Hour (default) | 24 Hour | 7 Days | Month | Year

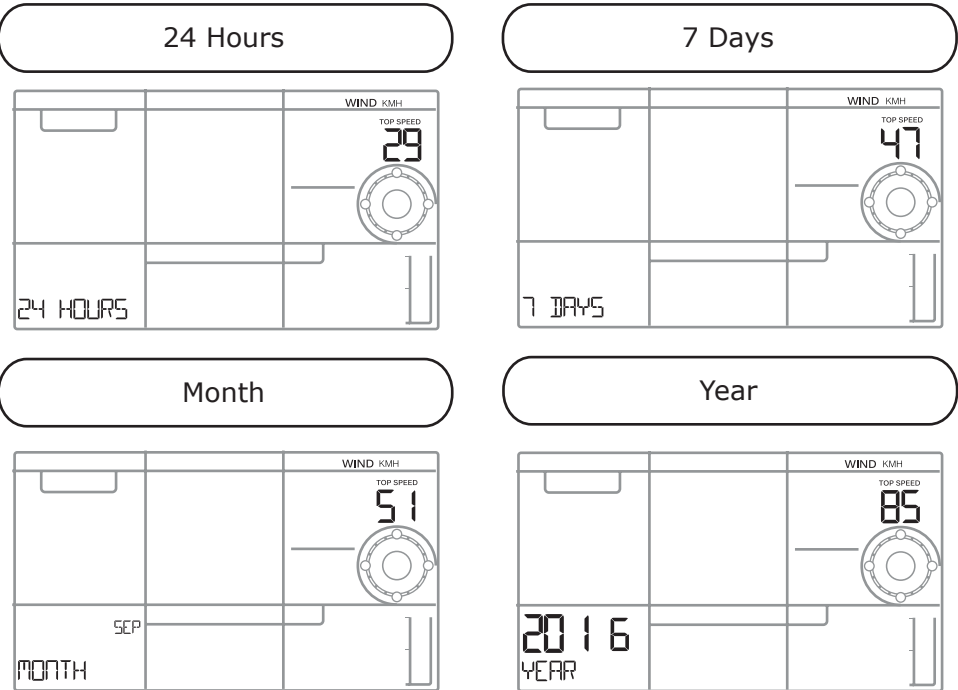
Wind History

Press and release the WIND button to view the maximum wind history values.

- One Hour: past 60 minute period (default Top Speed record, already shown)
- 24-hour: Past 24 hour period, from last record
- 7 Days: Past 7-day period, from last record
- Month: Defined by Calendar Month i.e. January 1 - January 31
- Year: Defined by Calendar Year i.e. January 1 - December 31

Reset Wind Speed History:

- Press the WIND button to view individual wind speed readings.
- Hold the MINUS button for five seconds to reset the individual value.
- Wind speed reading will reset to current wind speed.



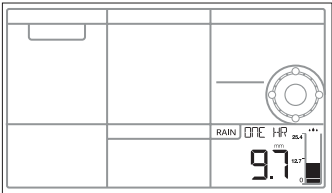
Rain Readings | History

Press and release the RAIN button to view:

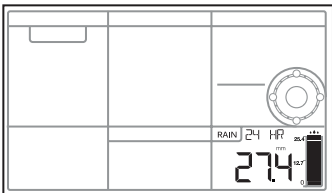
- One Hour: past 60 minute periods, from last record
- Day: 24 hr period from 12:00am - 11:59pm. With current date
- 24-hour: Past 24 hour period, from last record.
- 7 Days: Past 7-day period, from last record
- Month: Defined by Calendar Month i.e. January 1 - January 31.
- Year: Defined by Calendar Year i.e. January 1 - December 31.
- Total: running total since station was powered up (no time stamp)

- Select your rain history and the station will keep your selection.
- After viewing a history record for 5 seconds, the station will return to the normal view.

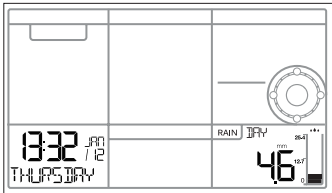
One Hour



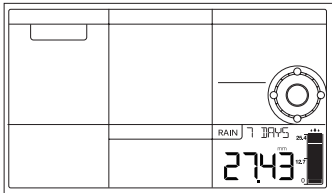
24 Hours



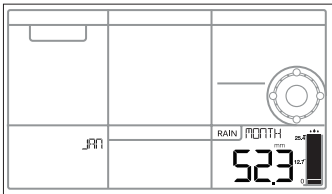
Day (12:00am - 11:59pm)



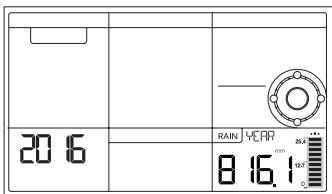
7 Day



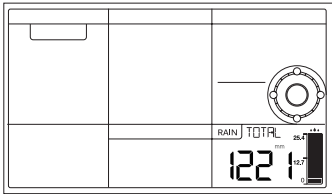
Month



Year



Total



Reset Rainfall Readings (each resets individually):

- Press the RAIN button to view individual rain readings.
- Hold the MINUS button for five seconds to reset the individual value.
- Rainfall reading will reset to 0.00

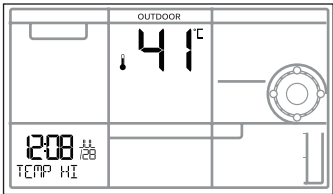
Temperature/Humidity HI | LO Readings

Press and release the TEMP button to view HI/LO temperature and humidity readings with time/date stamp.

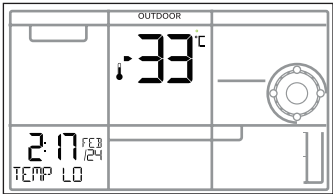
- Outdoor temperature HIGH
- Outdoor temperature LOW
- Outdoor humidity HIGH
- Outdoor humidity LOW
- Indoor temperature HIGH
- Indoor temperature LOW
- Indoor humidity HIGH
- Indoor humidity LOW
- Feels like HIGH
- Feels like LOW
- Outdoor dew point

Note: Feels Like and Dew Point is not time/date stamped.

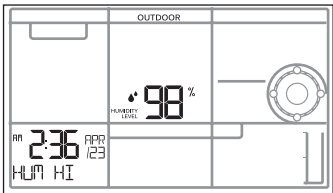
Outdoor Temp HI



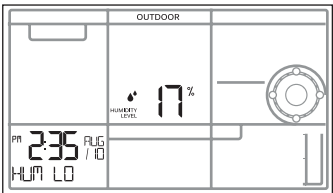
Outdoor Temp LO



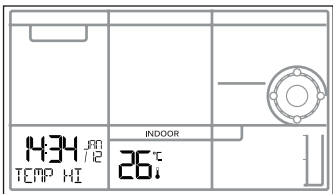
Outdoor Humidity HI



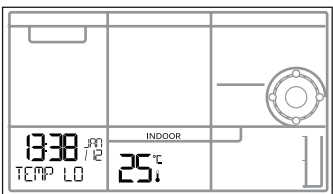
Outdoor Humidity LO



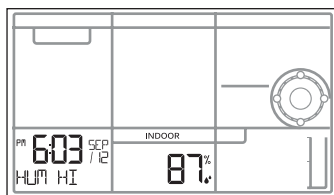
Indoor Temp HI



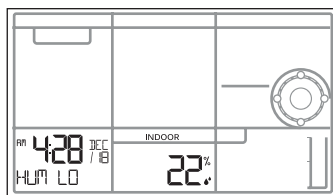
Indoor Temp LO



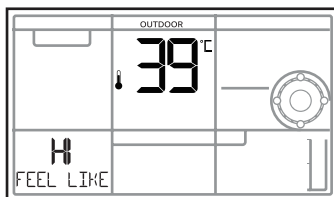
Indoor Humidity HI



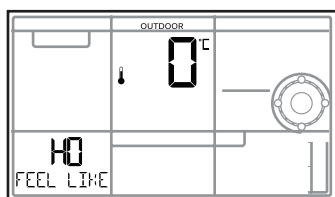
Indoor Humidity LO



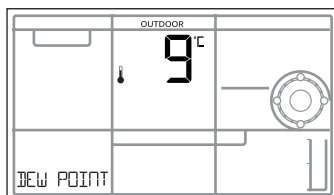
Feels Like HI



Feels Like LO



Dew Point



Types of Weather Alerts

There are 20 weather alerts available on this weather station.

- Outdoor LOW Temperature ON/OFF
- Outdoor LOW Temperature Value -40°C-60°C (-40°F-140°F)
- Outdoor HIGH Temperature ON/OFF
- Outdoor HIGH Temperature Value -40°C-60°C (-40°F-140°F)
- Outdoor LOW Humidity ON/OFF
- Outdoor LOW Humidity Value 10%RH-99%RH
- Outdoor HIGH Humidity ON/OFF
- Outdoor HIGH Humidity Value 10%RH-99%RH
- Indoor LOW Temperature ON/OFF
- Indoor LOW Temperature Value 0°C-50°C(32°F-122°F)
- Indoor HIGH Temperature ON/OFF
- Indoor HIGH Temperature Value 0°C-50°C (32°F-122°F)

- Indoor LOW Humidity ON/OFF
- Indoor LOW Humidity Value 10%RH-99%RH
- Indoor HIGH Humidity ON/OFF
- Indoor HIGH Humidity Value 10%RH-99%RH
- 24-hour Rainfall ON/OFF
- 24-hour Rainfall Value 0-99.9mm (0-3.93 inches)
- High Wind Speed ON/OFF (CURRENT wind)
- High Wind Speed Value 0-180kmh (0-111 mph) (CURRENT wind)

Set Weather Alerts

Hold the ALERTS button 2 seconds to enter alert set mode.
Outdoor Low Temperature alert OFF will show.

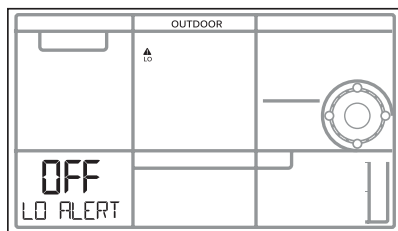
ALERT ON:

1. Press the +/- buttons to arm the alert.
2. Press the ALERTS button and the alert value will flash
3. Press the +/- buttons to set the alert value (Hold to set quickly).
4. Press ALERTS button to move to next alert.

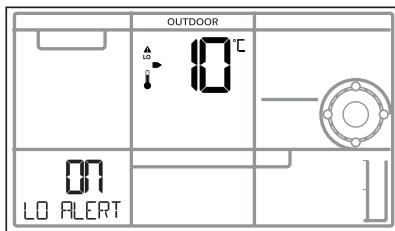
ALERT OFF:

1. Alerts are OFF unless armed. If you do not wish to set an alert, simply press the ALERTS button again to move to the next alert.

Alert OFF use +/- to arm



Alert ON use +/- to set value



Active Alert:

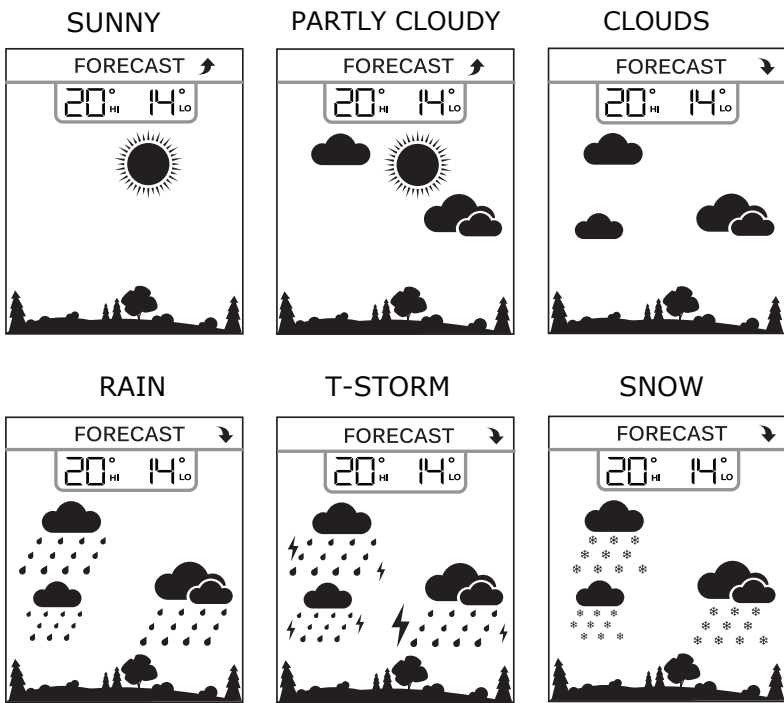
- When armed alert value is reached, station will beep 5 times each minute, until out of alert range.
- The flashing alert icon will indicate if is a LOW or HI alert.

HI  LO

- Press any button to stop the alert sound.
- The alert icon will flash while value is in alert range.

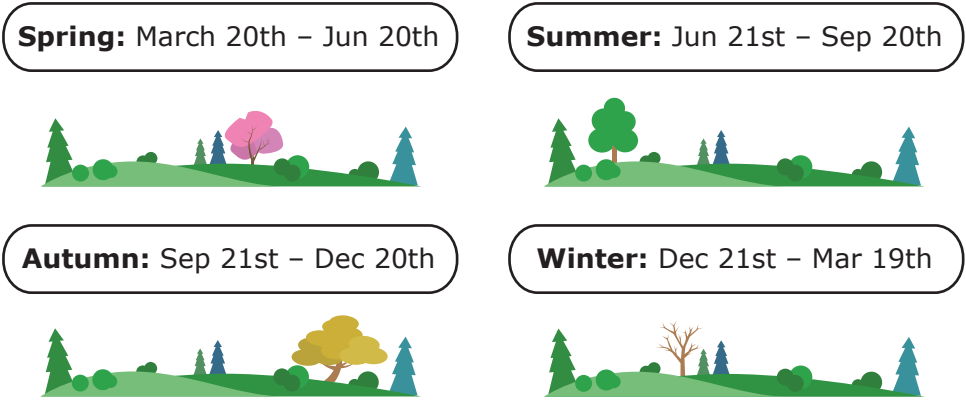
Weather Forecast Icons

- The forecast icons are determine by the barometric pressure sensor.
- The tendency arrow show the changes on the barometric pressure is rising or falling.
- When Outdoor temperature is below 0°C and the forecast is RAIN or T-STORM, the LCD will display SNOW.



Seasonal Trees

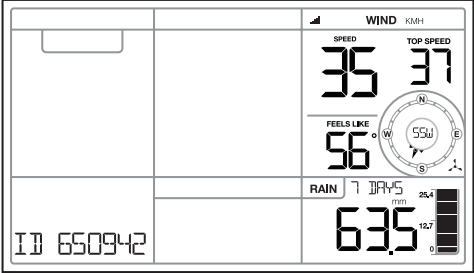
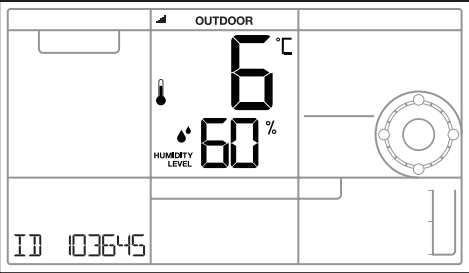
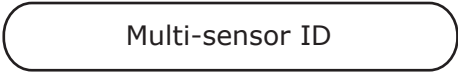
- The trees and foliage color will change seasonally. The dates are programmed into the weather station for the scene to change automatically.



Sensor Search

Each sensor has a unique ID and will be “parked” to the correct sensor location on the display until manually deleted.

- If sensor loses connection to the weather station for any reason, the weather station will show dashes after 30 minutes.
- The weather station will search for 5 minutes every hour to reconnect with sensor.
- In normal mode press and release the SENSOR button to view individual sensor ID’s for up to 15 seconds.
- Press and release the + button to search for the sensor, who’s ID is shown.



- The strength signal icon will animate until the sensor signal is received, or for 3 minutes if no signal available.



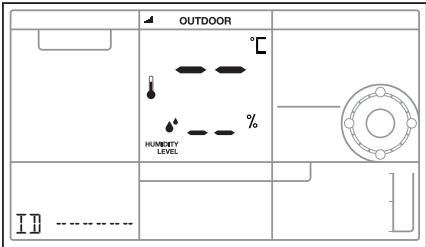
Delete TH Sensor:

1. Press the SENSOR button to view individual sensor ID.
2. Hold the - button for 5 seconds to delete the sensor and ID.



Add TH Sensor:

1. Install batteries in sensor.
2. Press and release the SENSOR button to view sensor area (dashes).
3. Press the + button to search.
4. Press the TX button on sensor.
5. When sensor connects, ID and readings show.

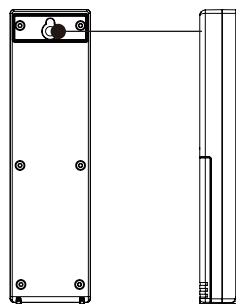


Mounting Instructions

TX233TH Temperature/Humidity Sensor

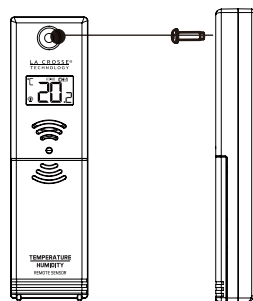
Option 1:

- Install one mounting screw into a wall leaving some extended.
- Place the transmitter onto the screw, gently pull the transmitter down to lock the screw into place.



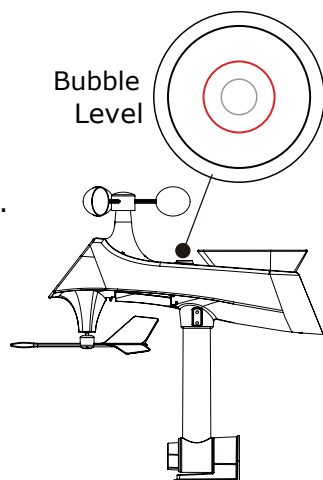
Option 2:

- Insert the mounting screw through the front of the transmitter and into the wall.
- Tighten the screw to snug (do not over tighten).
- Mount the temperature/humidity sensor on a north-facing wall or in any well shaded location. Sun will make it read high.
- Under an eave or deck rail is preferred.
- Be sure the outdoor sensor is mounted vertically to drain moisture.
- Avoid mounting under a metal roof and use stainless steel screws for best RF transmission.
- The maximum wireless transmission range to the weather station is over 100 meters (330 feet) in open air, not including walls or floors.

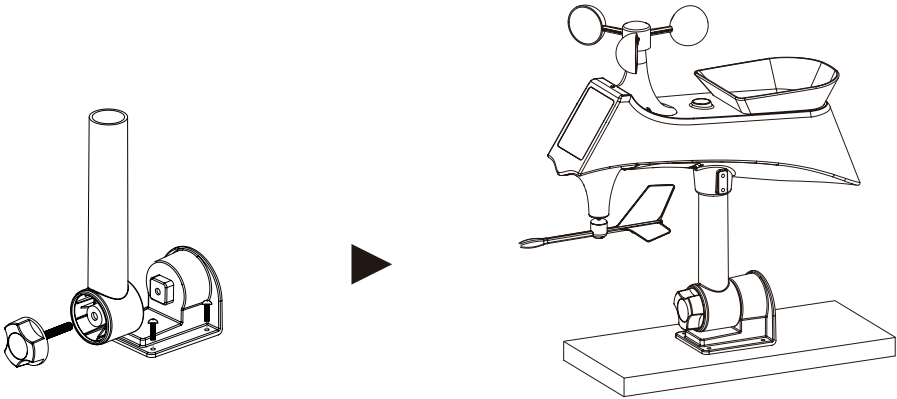


TX233RW Multi-sensor

- For most accurate wind speed and rainfall readings, mount the Multi-sensor in an open area clear for 15 meter in all directions.
- Mount with the solar panel facing south so the wind direction is correct. See N, S, E W, embossed on the top of the sensor.
- Use the bubble level on the top of the sensor to ensure it is level, for accurate rainfall readings.



- The maximum wireless transmission range to the station is over 100 meters (330 feet) in open air, not including walls or trees.
- Mount sensor vertically.
- Cups should be on the top of the sensor.
- Attach to mounting surface with screws through the mounting bracket.
- The sensor can be mounted from the bottom or from the side.

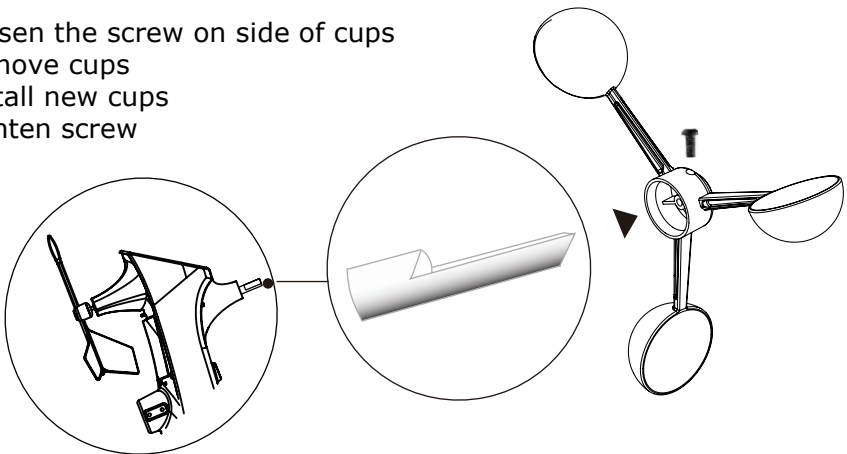


Alternatively:

- Insert your own mounting pole sensor.
- Tighten screws
- Mounting bracket would not be used.

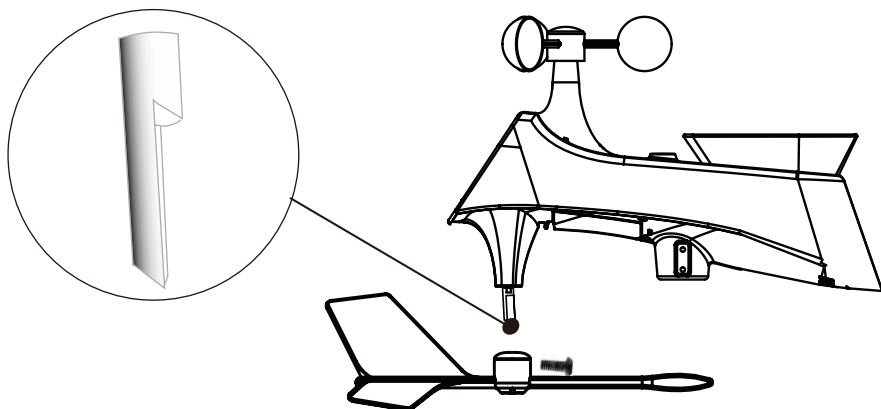
Replace Wind Cups

1. Loosen the screw on side of cups
2. Remove cups
3. Install new cups
4. Tighten screw



Replace Directional Vane

1. Loosen the screw on side of vane
2. Remove direction vane
3. Install new vane
4. Tighten screw



Factory Restart

The factory reset will return the weather station to its default settings. This will clear all previous recorded history, so you may want to write down data before taking this step.

1. Hold the **LIGHT** and **ALERTS** buttons together for 5 seconds to reset the weather station, clear all records, and return all settings to default.
2. The weather station will fully populate, then return to a normal display and search for outdoor sensors.
3. While searching for the outdoor sensors the Wind Speed, Outdoor Temperature/Humidity and Rainfall totals will show dashes.
4. Once connected to the outdoor sensors (allow 3 minutes) the Wind Speed, Outdoor Temperature/Humidity, and Rainfall will show current readings.

WIFI Icon

STEP 1 : Hold the PLUS and MINUS buttons together for 3 seconds to connect the station.

- The connected icon will flash (near "FORECAST") while station is searching for WIFI connection. It will flash up to 1 hour.
- The station must operate on AC power for the WIFI to work.

Slow Flash - no WIFI network connection-check connection

Fast Flash - configure Weather Connect APP

Solid - Connected

Not displayed -No WIFI router-check router



Note: Hold the PLUS and MINUS buttons together for 3 seconds to reconnect, if WIFI signal is lost.

STEP 2 : Register your weather station

Download the Weather Connect app. and register your weather station.



Weather Connect

Note: The Weather Connect App is only for connecting your weather station to Weather Underground

STEP 3 : Get Connected

Download the Weather Underground app. and connect your new weather station to Weather Underground.

When connected:

- Time and date will come from the Internet (set your own time zone)
- View you backyard weather on your phone.
- WI-FI icon will animate according to signal strength.



Specifications

Indoor	<ul style="list-style-type: none">• Temperature Range: 0°C to 50°C (32°F to 122°F)• Humidity Range: 10% to 99% RH• Update interval: About every 60 seconds
TH Sensor	<ul style="list-style-type: none">• Temperature Range: -40°C to 60°C (-40°F to 140°F)• Humidity Range: 10% to 99% RH• Update interval: About every 58 seconds• Transmission Range: 100 m (330 ft) RF 868MHz open air
Multi-sensor	<ul style="list-style-type: none">• Wind Speed Range: 0-180 km/h (0-111 mph)• Wind Direction: 0-359 degrees• Rainfall: 0-9999 mm (0-393.7 inches)• Update interval: About every 30 seconds• Transmission Range: 100 m (330 ft) RF 868MHz open air
Power Battery Life	<ul style="list-style-type: none">• Weather Station: 5.0 Volt 500mA adapter included (Primary)• AC6: HX06-0500500-AG• Optional Battery: 3-AAA, IEC, LR3 batteries (not included)• TX233RW: 3-AA, IEC, LR6 batteries (not included)• TX233TH: 2-AA, IEC, LR6 batteries (not included)• Weather Station: 60 to 48 months when using adapter.• Multi-sensor/TH sensor: over 24 month with reputable batteries
Dimensions	<ul style="list-style-type: none">• Weather Station: 204.47 W x 144.78 H x 34.54 D mm (8.05" W x 5.70" H x 1.36" D in)• TX233RW Multi-sensor: 345.69 W x 217.17 H x 130.55 D mm (13.61" W x 8.55" H x 5.14" D)• TX233TH Sensor: 42.42 W x 155.96 H x 21.08 D mm (1.67" W x 6.14" H x 0.83" D)

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 most 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 which is not to be used for an extended period of time.
- Promptly remove expired batteries promptly.

LIABILITY DISCLAIMERS

- The electrical and electronic wastes contain hazardous substances. Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment.
- Please contact your local or/and regional authorities to retrieve the addresses of legal dumping grounds with selective collection.
- All electronic instruments must from now on be recycled. User shall take an active part in the reuse, recycling and recovery of the lectrical and electronic waste.
- The unrestricted disposal of electronic waste may do harm on public health and the quality of environment.
- As stated on the gift box and labeled on the product, reading the "User manual" is highly recommended for the benefit of the user. This product must however not be thrown in general rubbish collection points.
- The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place.
- This product is designed for use in the home only as indication of the temperature.
- This product is not to be used for medical purposes or for public information.
- The specifications of this product may change without prior notice.
- This product is not a toy. Keep out of the reach of children.
- No part of this manual may be reproduced without written authorization of the manufacturer.



R&TTE Directive 2014/53/EU:

Summary of the Declaration of Conformity : We hereby declare that this wireless transmission device does comply with the essential requirements of R&TTE Directive

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