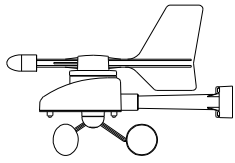
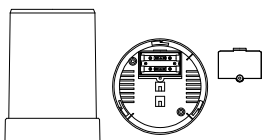
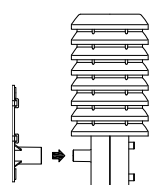
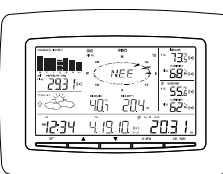
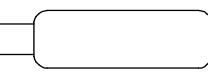


Quick Setup Manual - WS-2815U-IT Professional Weather Station

The operations manual is posted at the indicated link located at the top of each product page accessed from: <http://www.lacrossetechnology.com/2815>. Next read the release notes to select the correct free PC software at: <http://www.lacrossetechnology.com/support/software.php> (user help is in the software).

Carefully open the package and check that the following contents are complete:

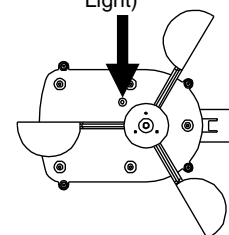
Wind Sensor	Rain Sensor	Thermo-Hygro Sensor	Wireless Display	USB Transceiver
 <ul style="list-style-type: none"> Mast holder Right angle adaptor 1 x U-bolts 2 Washers + 2 Nuts Plastic Reset Rod 	 <ul style="list-style-type: none"> Base sensor, funnel top cover and battery cover (pre-assembled) 	 <ul style="list-style-type: none"> Airflow cover Wall mount adapter Mounting screws Plastic anchors for screws 	 <ul style="list-style-type: none"> Foldout stand 	 <ul style="list-style-type: none"> USB wireless interface for PC
Wind Sensor also Protected under U.S. Patent: 6,761,065	All items, including Wind Sensor, are Protected under U.S. Patents: 5,978,738; 6,076,044; & 6,597,990			

Setup:

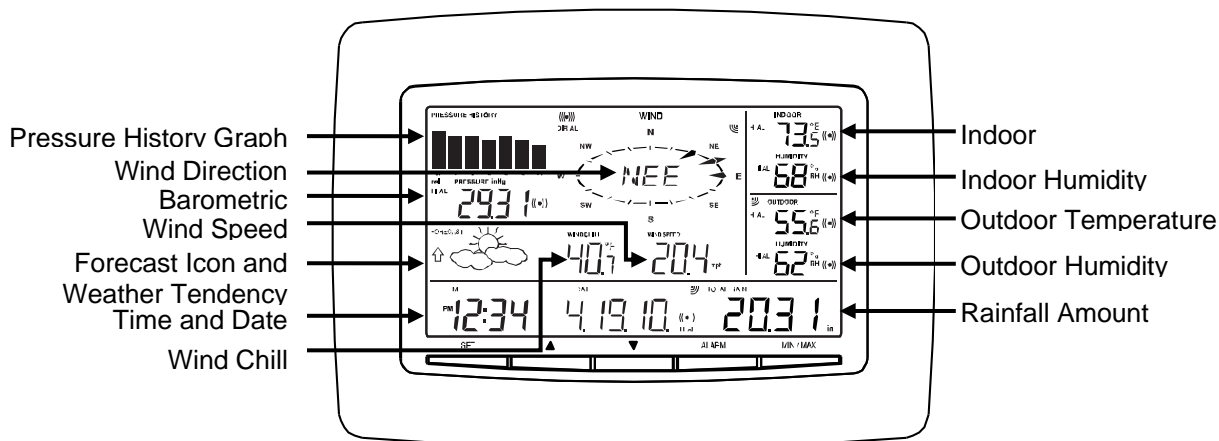
IMPORTANT: Make sure to observe the correct polarity when inserting batteries. The "+" markings on the batteries must line up with the diagrams inside the battery compartments. **Inserting the batteries incorrectly may result in permanent damage to the units.** During the setup process, place the wireless display and the outdoor sensors on a surface with 5-10 feet between each sensor and the display. **Only use Alkaline Batteries, rechargeable batteries may not work. Note: Do not mix old and new batteries. Do not mix alkaline, standard, or rechargeable batteries.**

1. It is important to allow sufficient light to reach the solar panel while activating the wind sensor. Make sure the lights are on in the setup room and the solar panel is facing a 60W light bulb or brighter. Ensure the panel is not covered, then remove the black protective foil on the solar panel. Remove the tape covering the reset hole. Use the provided plastic reset rod to gently press the reset button once in the hole on the bottom of the sensor.
2. Insert two "AA" size batteries into the rain sensor with the correct polarity.
3. Insert two "C" size batteries into the thermo-hygro sensor with the correct polarity. Allow all sensors to run for two minutes.

Press Reset Button on Bottom of Wind Sensor (Solar Panel Must Face Light)



4. Insert three "C" size batteries into the wireless display with the correct polarity. **NOTE:** Every time the wireless display receives data from the sensors, the wireless icons ☁ will blink once and then return to solid if the last transmission was successful. A wind speed or rainfall amount that reads "0" does not mean reception failure. It means that there was no wind or rain at the time of the last measurement. The thermo-hygro sensor syncs with the wind and rain sensors and sends all outdoor sensor data to the display. The thermo-hygro sensor tries for 4 minutes to sync to the wind sensor and then 4 minutes for the rain sensor. If not successful within 4 minutes, the thermo-hygro sensor will stop looking for the other sensors.
5. **Setup troubleshooting:** If the sensor data fails to display for any of the outdoor sensors within 10 minutes, ("--" is displayed), remove the batteries from all units for 1 minute and start the Setup procedure again at Step 1.



Product Registration:

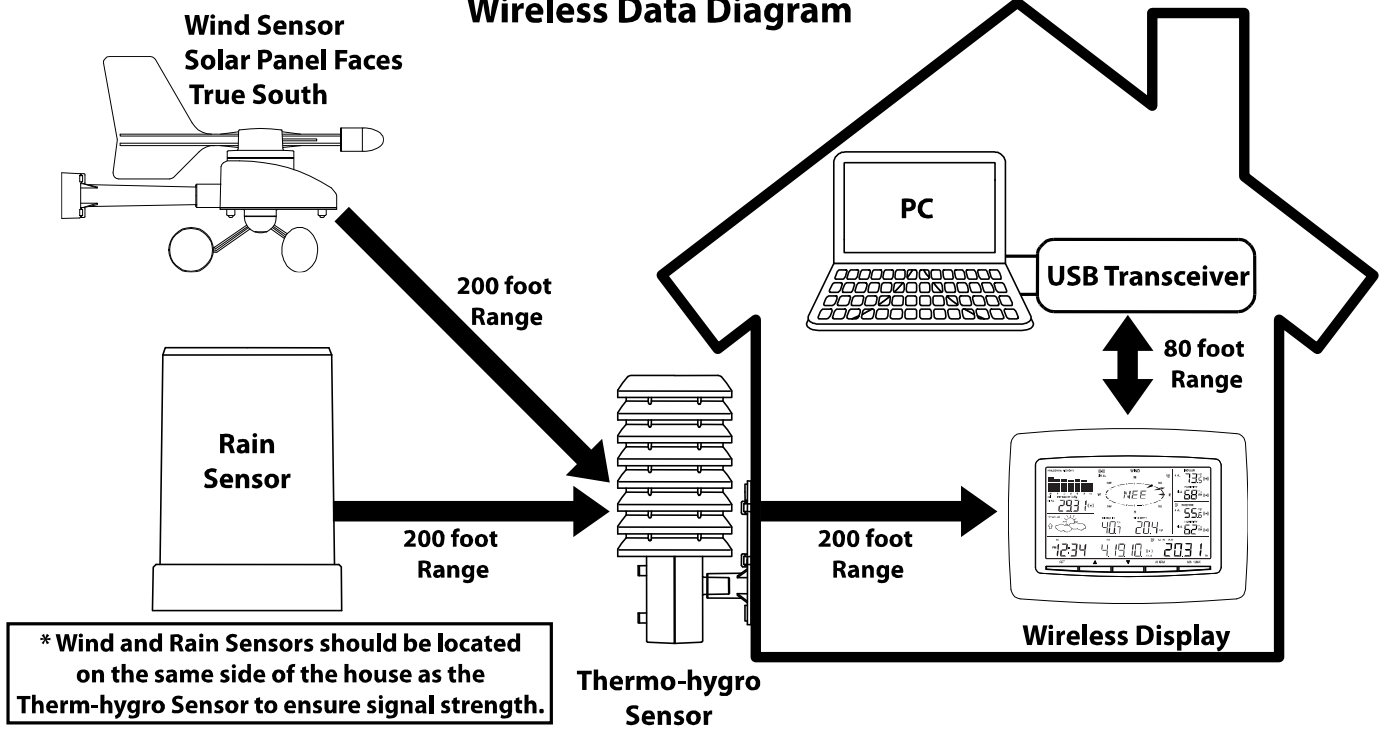


lacrossetechnology.com/support/register

Mounting the sensors and placement of the wireless display:

IMPORTANT: Ensure that all of the sensor data can be received at the intended mounting locations before you drill mounting holes. The outdoor sensors have a wireless range of **200-feet**. Keep in mind that the **200-foot** range equates to an open-air scenario with no obstructions. Each obstruction (roof, walls, floors, ceilings, etc.) will reduce the range.

Wireless Data Diagram



The thermo-hygro sensor measures outdoor temperature & humidity and collects the data from the wind and the rain sensors and sends all outdoor weather data to the wireless display, so the thermo-hygro sensor must be within the **200-foot** wireless range of the wireless display. This allows the wind and rain sensors to be placed relative to the thermo-hygro sensor rather than the wireless display. See the Wireless Data Diagram above.

- The wind and rain sensors must be mounted within the **200-foot** wireless range of the thermo-hygro sensor and on the same side of the house. In addition, 915 MHz sensors transmit better at a minimum mount height of 6 feet.
- The wireless display must be within the **80-foot** wireless range of the USB transceiver to send weather data to the PC.

If the sensor wireless icons ☼ drop from the display as you move them into their intended locations, the sensors may be too far from the wireless display. Try moving the wireless display or the sensors closer and wait a few minutes to see if the wireless icons ☼ display again. If the wireless icons ☼ are still not displayed after re-positioning the sensors or the wireless display, press and hold the UP ARROW (▲) key for 2 seconds to re-synchronize the wireless display with the sensors.

Wind sensor

The wind sensor must be installed **with the front of the sensor (the solar panel) facing true South**, or the reported wind direction will not be accurate. Mount within the **200-foot** wireless range of the thermo-hygro sensor and on the same side of the house **at a minimum height of 6 feet**. The roof may or may not be an ideal mounting location. Secure the main unit to the shaft of the mast holder. Use the right-angle adaptor if the wind sensor will be mounted on a horizontal mast or surface.

Fasten the wind sensor to a suitable mast using the two U-bolts, washers and nuts included. **Note:** Mount the wind sensor onto a mast so the wind can reach the sensor unobstructed from all directions for an accurate reading. The ideal mast is between 0.62" and 1.3" in diameter. The wind sensor **DOES NOT** have replaceable batteries - it consumes solar power and charges the internal battery pack automatically.

Rain sensor

The rain sensor should be mounted on a level surface in an open area within the **200-foot** wireless range of the thermo-hygro sensor and on the same side of the house. Mount the rain sensor **at least 6 feet off the ground level** for optimum wireless transmission. The rain sensor should be accessible to allow for periodic cleaning of debris or insects.

Thermo-Hygro Sensor

The thermo-hygro sensor is "weather resistant", but not "water proof". To ensure an extended life of your sensor, mount it in a semi-covered place out of the elements. **Minimum height is 6 feet**; under the eaves on the North side of the house can be ideal to avoid the effects of sunlight. Mount the sensor 18" down from the eaves to ensure optimum performance. This will assure the temperature of the air coming out of the attic will not affect data collected by the sensor.

To wall mount the thermo-hygro sensor, fix the wall holder onto the desired wall using the included screws, plug the sensor firmly into the wall holder and replace the rain cover if it is not already in place. **Note:** After mounting the units, if the weather data is not received, press and hold the UP ARROW (▲) key for 2 seconds to synchronize the wireless display to the sensors.

Heavy Weather PC Software

Use your PC to store and graph the latest weather data collected by the weather station. Download the Heavy Weather PC software from www.lacrossetechnology.com/2815. See the download page for release notes to determine your version, installation instructions and computer system requirements.

FCC DISCLAIMER This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

The complete instruction manual is available at:
www.lacrossetechnology.com/2815

Le manuel d'instruction complet est disponible sur:
www.lacrossetechnology.com/2815

El manual de instrucciones completo está disponible en:
www.lacrossetechnology.com/2815

Software, Product Support

