

Instructions

for the RainWise MKIII -SP1-LR Weather Station



A word about location and instrumentation:

Selecting the best location for the weather station is critical to ensure accurate and reliable data. Keep the following facts in mind when selecting your location.

1. The weather station should be higher than the receiver. Data is transmitted at an angle slightly down from horizontal. Range can be significantly reduced if the receiver is mounted higher than transmitter.
2. Radio range is affected by the height of the station above the ground. The station should be mounted approximately 10 feet above the ground to ensure a reasonable range. Avoid mounting the station on or near metal objects. Metal can interfere with the radio signal.
3. Keep a clear line of sight. Try to avoid sending the signal through trees or any other object if possible.
4. Try keep the weather station as close to the receiver as possible. Although a range of 400 feet may be possible, the closer the receiver is to the transmitter the stronger the signal will be.
5. Keep the receiver away from all other electronics, its' sensitivity may be reduced by interference. Windows are generally good locations for receivers as long as the glass is not coated with a low E metal film.
6. **Whenever possible test the desired location.** Set up the receiver and make sure that it receives data from the weather station. You can simply switch the weather station on and hold it roughly where it will be mounted. Its usually easiest to do this with two people.

NOTE: This equipment generates and uses radio frequency energy, and if not installed properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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 the receiving antenna
- * Increase the separation between the equipment and the receiver.
- * Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- * Consult the dealer or an experienced radio/television technician for help.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

GUARANTEE

RainWise, Inc. warrants this new **MK III** weather station against defects in materials and workmanship for a period of two years from the date of purchase, and agrees to repair or replace any defective product without charge. Additionally, the solar panel is guaranteed for five years from the date of purchase.

This warranty does not cover damage resulting from accident, misuse or abuse, lack of reasonable care, the fixing of any attachment not provided with the product or damage due to a lightning strike. RainWise will not reimburse for take down or reinstallation charges. RainWise will not pay for any warranty service performed by a non-authorized repair service and will not reimburse the consumer for damage resulting from warranty service performed by a non-authorized repair service. No responsibility is assumed for any special, incidental or consequential damages. No other warranty, written or oral is authorized by RainWise, Inc. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state. Some states do not allow the exclusion, incidental or consequential damages, so the above exclusions and limitations may not apply to you.

To return a unit under warranty call **1-800-762-5723**. For a period of 90 days after date of purchase, RainWise will issue a UPS call tag for pickup of the equipment at your address. RainWise will also pay for return UPS charges. If expedited shipping is requested, the excess cost must be paid by the customer. After 90 days from the date of purchase, the customer is responsible for all shipping charges. **Make sure that the equipment is properly packed. . . preferably in the original box, because damage incurred in shipping is not covered by this warranty.**

If you are having a problem . . . before you call:

Check the cable connections to the receiver box and the display. Make sure that the cable is plugged in correctly. It should snap and lock into position on both ends.

Please have the the serial number of your **MK III** available if you call. It will also save time if you have your display near the phone.

FOR SERVICE, CALL: 1-800-762-5723

RainWise Inc. 
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1. Installing the Leaf Wetness Sensor



This leaf wetness sensor is designed to be mounted on the North side of the MK-III weather station. The bracket provided with the sensor insures a solid and secure installation.

1. Loosen the two screws under the rain collector . Do not remove them completely.
2. Slide the sensor bracket into position between the head of the screw and the large flat washer.
3. Tighten the screws to secure both the leaf wetness sensor and rain collector.
4. Plug the leaf wetness sensor connector into to the MK-III.
5. Place the excess cable against the body of the weather station as shown in the picture.
6. Use the two cable ties supplied to secure the cable to the rain collector support arms.



2. Mount the support tube as indicated; A tripod is shown. You can also use U-bolts or a Mono Mount. Insert the neck down end into the **MKIII** sensor assembly until it bottoms with the retaining screw in the slot. Tighten the screw.

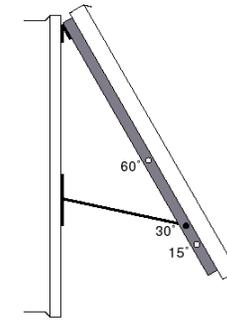


3. Rotate the assembly until the solar panel faces TRUE SOUTH, TRUE NORTH if you are in the southern hemisphere. Secure the support tube to the assembly to prevent it from rotating.

4. Adjust the solar panel angle for optimum performance. Use the table below to determine your optimum angle.

Latitude	Panel Angle (from vertical)
0° - 22.5°	60°
22.5° - 55°	30°
55° - 90°	15°

The top of the solar panel is hinged. Lift the bottom of the solar panel up and insert the two support bars into the appropriate mounting holes in the solar panel.



5. Turn the system on by pulling switch forward toward the front of the unit. The switch will click into position. The system is now transmitting.



This completes the MK-III installation!

Please refer to Computer Interface Instruction manual for details on how to install and configure the receiving side of the weather station.