Leaf Wetness Smart Sensor (S-LWA-M003) Quick Start

HOBO Data Loggers

Connecting to a Station

1. Stop the station if it is logging.
2. Plug the smart sensor jack into an open smart sensor port on the station.
3. Start logging. See the station manual at www.onsetcomp.com/resources for details on operating stations with smart sensors.

Mounting the Smart Sensor

1. Use the U-bolt to secure the bracket to 2.5 to 4 cm (1 to 1.6 inch) diameter mast.
2. Use two cable ties to secure the sensor to the bracket. Do not fully tighten the cable ties.
3. One side of the sensor surface has a visible grid. The grid side should be facing upwards. Typically the sensor is mounted at an angle of 15 to 45 degrees from horizontal.
4. Once the desired angle has been set, pull the cable ties tight and cut off the tag ends.
5. Secure the sensor communications cable with cable ties between the sensor and data logger.



Deployment Guidelines

- **Important:** DO NOT PAINT OR COAT THE SENSOR. It is ready to use and should not be coated.
- In most applications, the sensor should be mounted in whichever direction will prolong wetness the longest. For example, in the Northern hemisphere, orienting the sensor to face northwest will minimize exposure to solar radiation in the morning and maximize morning dew exposure.
- The leaf wetness sensor can be tilted to any angle. As the angle becomes steeper, water will run off the sensor more easily, reducing the amount of time the sensor stays wet. The exact angle used is a function of the type of vegetation of interest. Use an angle of more than 15 degrees from horizontal to prevent puddles from forming on the sensor.
- Be sure to secure the sensor cable with cable ties to protect the cable from damage. Wires should be bound tightly to the mast to help protect them from getting damaged in severe weather.
- Do not mount the sensor within two feet of the station case.

For more information about this smart sensor, refer to the full product manual. Scan the code at left or go to www.onsetcomp.com/resources/documentation/9826-man-s-lwa.

ONSET U.S. and International Sales: 1-508-759-9500
www.onsetcomp.com/support/contact

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