

Leaf Wetness Sensor



This sensor is used to detect the presence of surface moisture on foliage and calculate the duration of wetness. When moisture is present, the sensor detects an electrical resistance change between the gold-plated elements of the grid. This is displayed by the logger as a value between 0 (dry) and 15 (wet). Sensor Output: Resistance varies from above 3,000,000 ohms when dry to around 1,000 ohms when wet Sensor Range: 0 to 100% of the dew range, frost and freezing conditions will not harm the sensor Response Time: 0 to 100% relative dew within six minutes Output: voltage output (Analog)

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Mounting

To mount the sensor on a pipe, stake, or pole with outside diameter between 1" and 1-1/4" (25 mm and 31 mm), secure the sensor to the pipe using the 1-1/2" U-bolts, 1/4" flat washers, and 1/4" hex nuts as shown below. Use a 7/16" wrench or adjustable wrench to tighten the hex nuts

Applications

- Agro-metrological Studies
- Agriculture

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