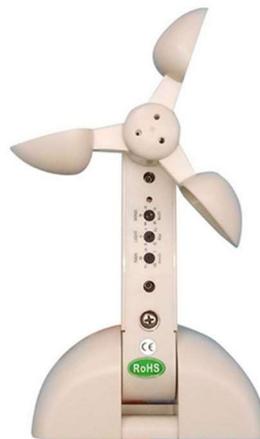# Weather Sensor

Description

● This wind, solar, and rain sensors are advanced devices designed to enhance the functionality and convenience of various applications. These sensors are equipped with intelligent features that automatically close roofs in response to changes in weather conditions. When strong winds, intense sunlight, or heavy rain exceed the preset values, these sensors promptly send a switch signal to a receiver using either RF or cable connectivity. With their reliable performance and automated capabilities, our wind, solar, and rain sensors provide an efficient and convenient solution for managing weather-related situations.

Main Characteristics

- Automatically detect wind, rain, and light and output switching signals.
- Allow user set sensitivity based on weather or climate.
- Independently preset wind, light and rain switch thresholds.
- Flexible structural of the wind sensor ensures high response.
- UV resistant housing for outdoor applications.

Specifications

Working voltage: 12V
Output signal: Dry contact or RS485
Wind Speed Measurement Range:10-50km/h,
Wind Response Time: ≤3Sec
Rain Measurement Range: 1~100mm/h,
Rain Response Time: 25Sec
Light Range: 0.2~10Klux,
Light Response Time: 2Min
Transmission frequency: 433.92MHz
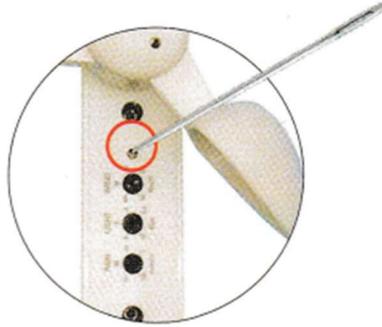Acceptance sensitivity: -100dBm
Working temperature: -20-85℃
IP rating: IP55

Notice

1) The indicator light will flash when various sensing signals of the weather sensor are activated.
2) After the wind/rain sensor responds, there is a 15-minute delay protection time, that is to say, after the wind/rain sensor responds, the light sensor will not respond within 15 minutes.
3) In order to facilitate customers to quickly understand the product.

   a. When the light sensor is set to the weakest (clockwise endpoint), the light sensor response opening time is 3 seconds, and the light sensor response closing time is 18 seconds.

   b. When the rain sense is set to the weakest (clockwise endpoint), the rain sense response time is 1 second.

Code Pairing Operation Manual

Long press the pairing button of the receiver, then press the button of the wind-rain sensor to pair.

Support

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