EVTSCAN EVTSCANuyn3mxc6hb

EVTSCAN Smart Rain Sensor User Manual

Model: EVTSCANuyn3mxc6hb

1. Introduction

The EVTSCAN Smart Rain Sensor is an advanced outdoor weather monitoring device designed to detect both rain and light conditions. Featuring solar charging capabilities and IPX6 water resistance, it provides real-time data and alerts through the Zigbee and Tuya/Smart Life applications. This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your smart rain sensor.

Image 1.1: EVTSCAN Smart Rain Sensor with its key features highlighted, including solar charging, rain sensing, scene linkage, and light detection, alongside a mobile app interface displaying weather data.

2. Package Contents

Please verify that all items listed below are included in your package:

- 1 x Smart Rain Sensor
- 1 x Bracket
- 1 x Adhesive Plate
- 5 x Accessories (screws, wall plugs)
- 1 x User Manual

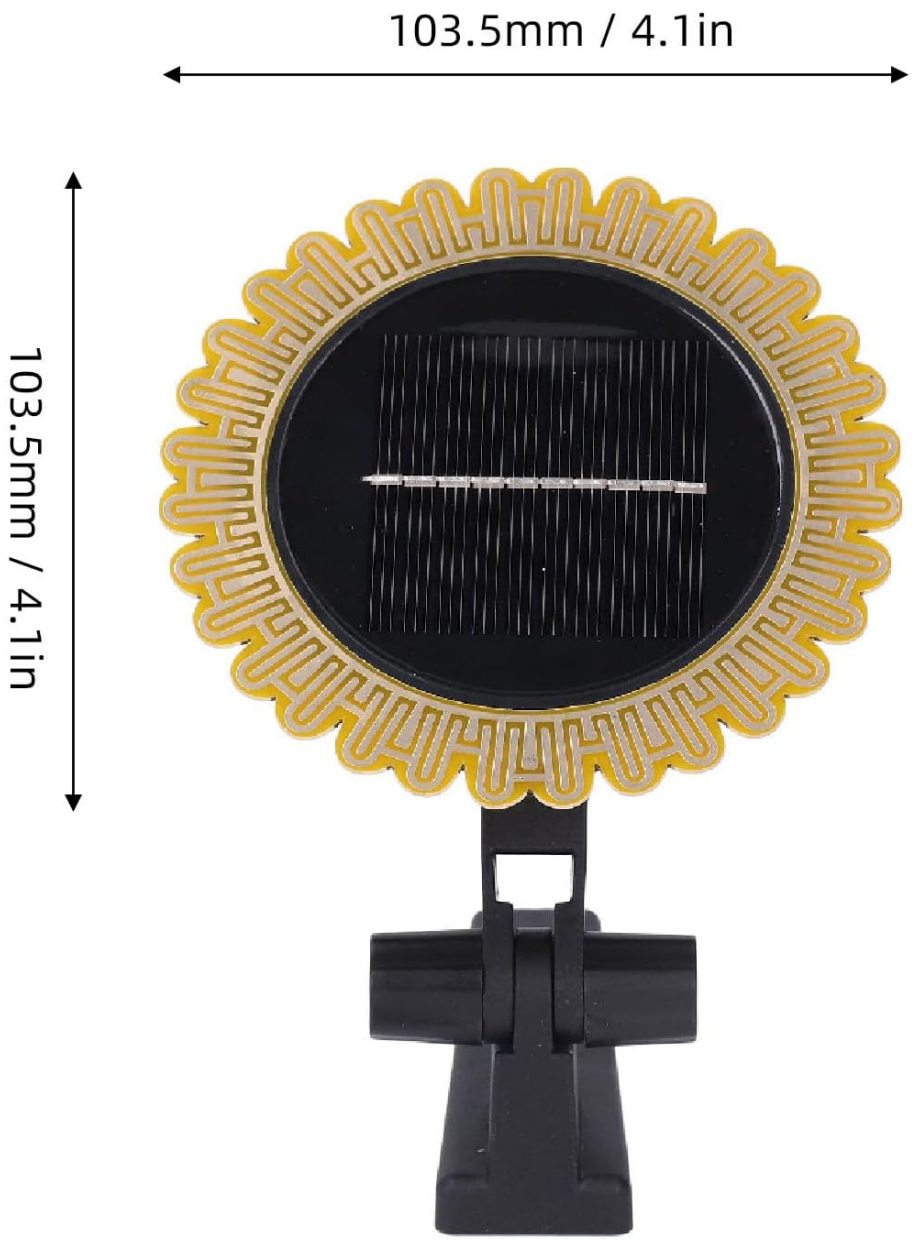
Note: This product requires a Zigbee gateway for full functionality, which is not included by default.

Image 2.1: All components included in the EVTSCAN Smart Rain Sensor package, showing the sensor unit, mounting bracket, adhesive plate, and various screws and wall plugs.

3. Specifications

Detailed technical specifications for the EVTSCAN Smart Rain Sensor:

Feature	Specification
Model	EVTSCANuyn3mxc6hb
Charging Method	Solar Powered
Dimensions (excluding bracket)	Approx. 103.5 x 103.5 x 20.5mm / 4.1 x 4.1 x 0.8in
Battery	Li-ion Battery 3.7V / 1300mAh (built-in)
Working Temperature	-10 to 50°C
Water Level Rating	IPX6
Data Collection Period	60 seconds
Control Software	Tuya APP / Smart Life APP (requires Zigbee gateway)
Item Weight	Approx. 155.00g / 5.47oz



Size: 103.5 x 103.5 x 20.5mm / 4.1 x 4.1 x 0.8in (excluding bracket)

Image 3.1: Diagram illustrating the dimensions of the EVTSCAN Smart Rain Sensor, measuring 103.5mm (4.1 inches) in both width and height, excluding the mounting bracket.

4. Setup

4.1 Components Overview

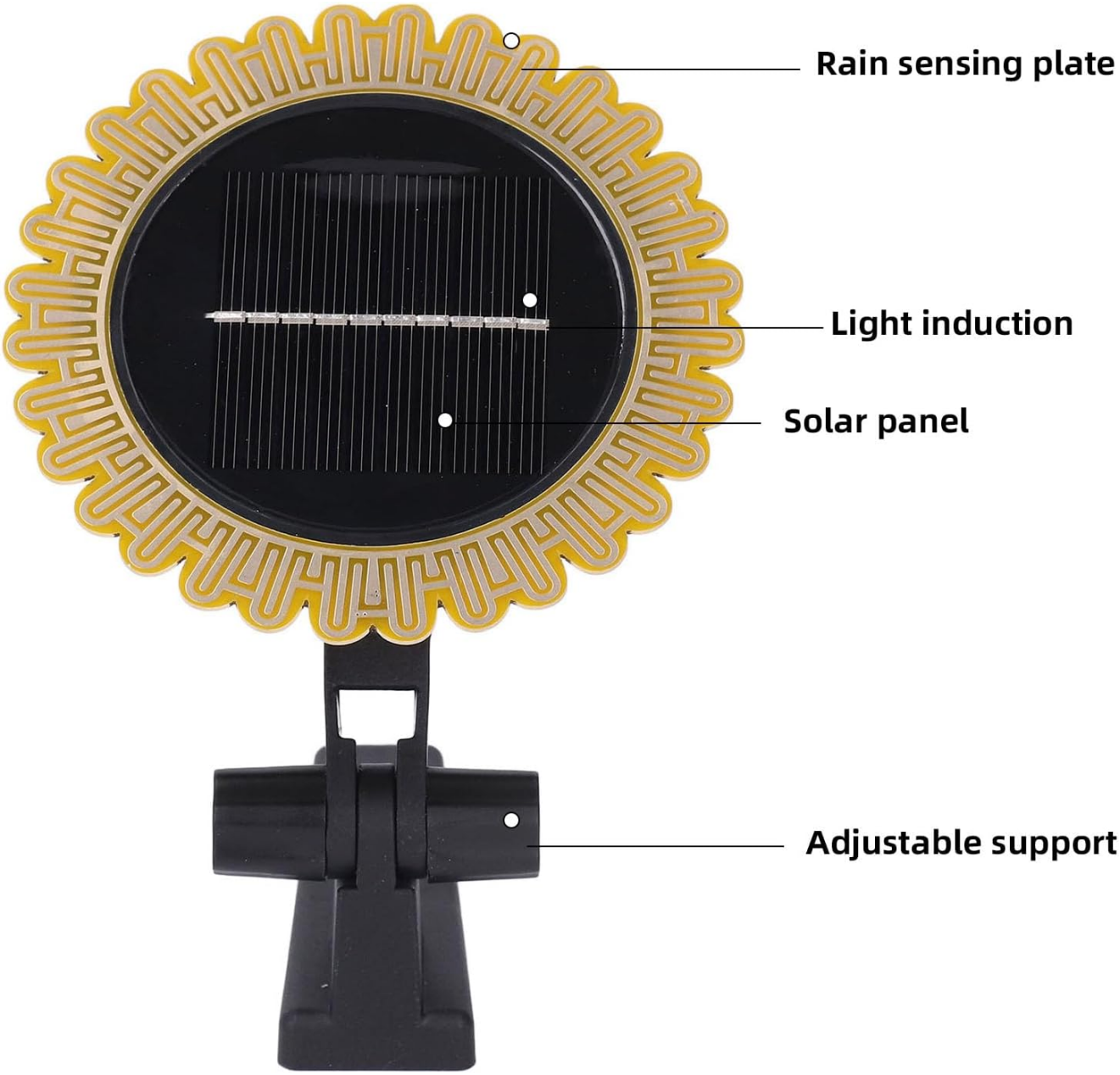


Image 4.1: A detailed diagram labeling the key components of the smart rain sensor: Rain sensing plate, Light induction area, Solar panel, and Adjustable support.

4.2 Installation Location

Choose an outdoor location that receives ample direct sunlight for optimal solar charging. Ensure the sensor is positioned where it can accurately detect rainfall without obstruction from overhangs or dense foliage. The location should also be within range of your Zigbee gateway.

4.3 Mounting the Sensor

1. **Assemble the Bracket:** Attach the adjustable bracket to the back of the rain sensor.
2. **Choose Mounting Method:** You can use the provided screws and wall plugs for a secure wall mount, or the adhesive plate for a less permanent solution on a smooth surface.
3. **Secure the Sensor:** Mount the sensor firmly in the chosen location, ensuring the solar panel faces upwards towards the sun and the rain sensing plate is exposed to rainfall. Adjust the support angle as needed.

Image 4.2: A close-up view of the adjustable support mechanism on the EVTSCAN Smart Rain Sensor, allowing for flexible positioning.

4.4 App Integration (Tuya/Smart Life)

1. **Download App:** Download and install the Tuya Smart or Smart Life app from your mobile device's app store.
2. **Add Gateway:** Ensure your Zigbee gateway is set up and connected to the app.
3. **Pair Sensor:** Follow the app's instructions to add a new device. Typically, this involves putting the sensor into pairing mode (refer to the sensor's label for specific button press instructions, usually pressing a button for 5 seconds) and allowing the app to discover it via the Zigbee gateway.
4. **Configure Settings:** Once paired, you can configure alert settings, view data, and set up automation scenes within the app.

5. Operating the Sensor

The EVTSCAN Smart Rain Sensor continuously monitors rain and light conditions, sending data to your connected Tuya Smart or Smart Life app via the Zigbee gateway.

5.1 Real-Time Monitoring and Alerts

The app will display current rain status (e.g., no rain, light rain, heavy rain) and light intensity. You can set up custom alerts to receive notifications on your mobile device when rain starts or stops, or when light conditions change significantly.

5.2 Scene Linkage and Automation

Leverage the sensor's data to create smart automation routines with other Zigbee-compatible devices through the Tuya Smart or Smart Life app.

- **Rain Pattern:** For example, when the sensor detects rain, you can configure the app to automatically close smart window lifters or retract smart awnings.

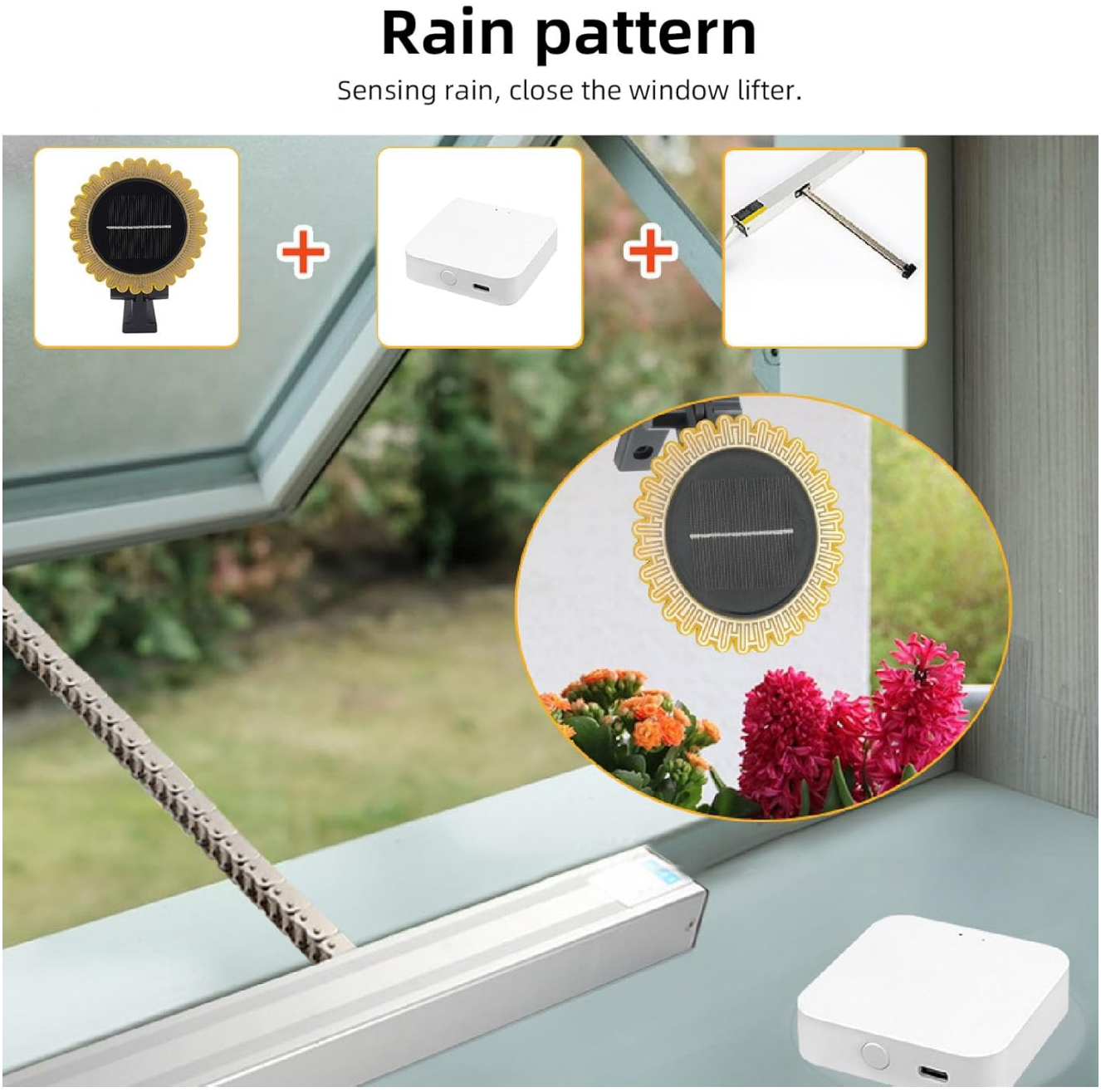


Image 5.1: An illustration of a 'Rain pattern' automation, where the smart rain sensor detects rain, triggering a smart window lifter to close a window.

- **Wake Up Pattern:** Based on induced light values, you can set up routines such as opening smart curtains or turning off night lights at a specific time when sufficient light is detected.

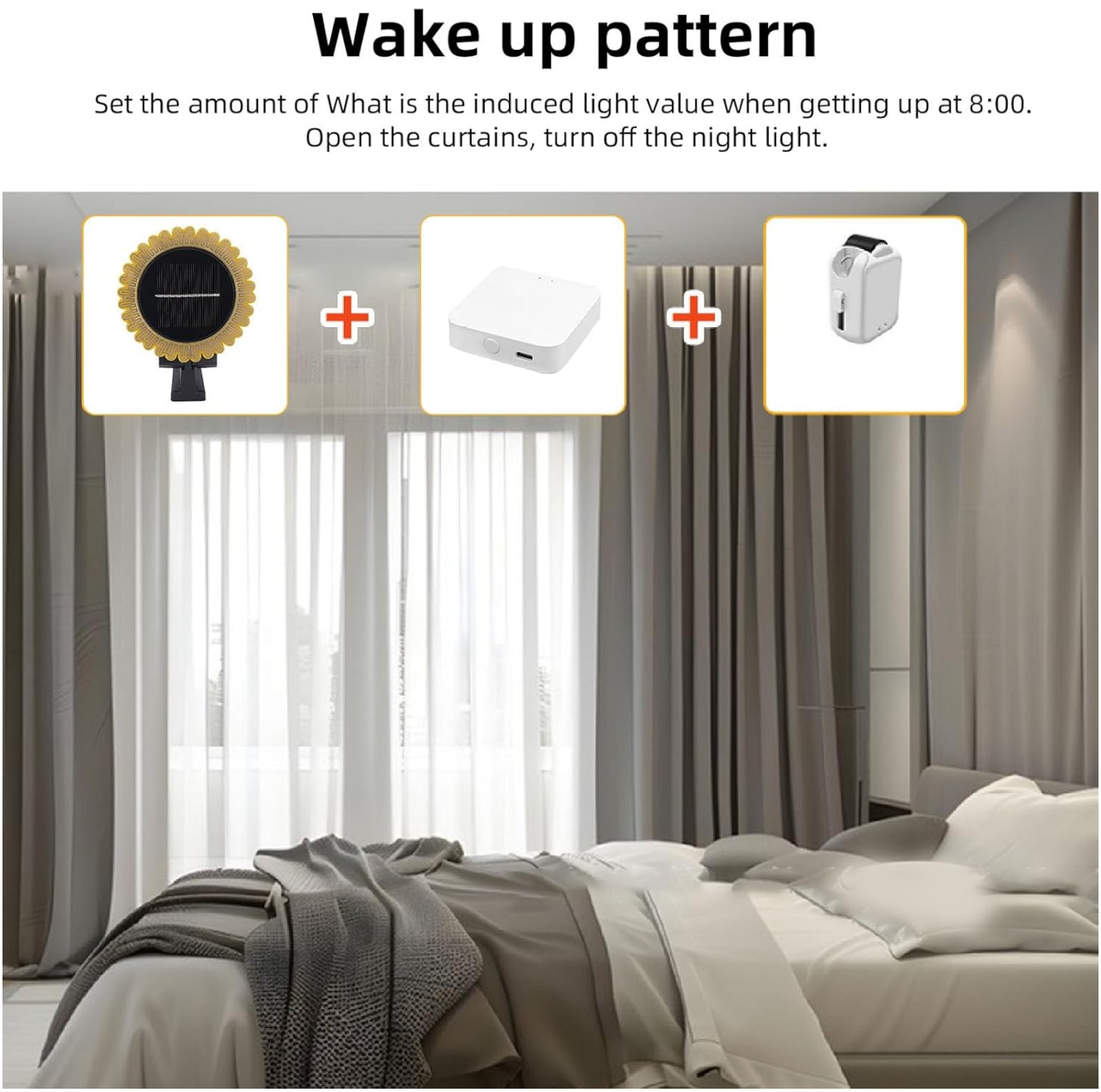


Image 5.2: An illustration of a 'Wake up pattern' automation, showing the smart rain sensor, a smart gateway, and a smart curtain opener working together to open curtains based on light detection.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your smart rain sensor.

- **Cleaning the Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris that may hinder charging efficiency.

Image 6.1: A close-up view of the solar panel integrated into the EVTSCAN Smart Rain Sensor, highlighting its design for energy collection.

- **Cleaning the Sensing Plate:** Ensure the rain sensing plate is free from obstructions like leaves, spiderwebs, or excessive dirt to maintain accurate rain detection.
- **Battery Check:** The built-in Li-ion battery is charged by solar power. Ensure the sensor is placed in an area with sufficient sunlight. The app may provide battery status information.
- **Physical Inspection:** Regularly check the mounting bracket and connections for any signs of wear or damage.

7. Troubleshooting

If you encounter issues with your EVTSCAN Smart Rain Sensor, refer to the following common problems and solutions:

- **Sensor Not Connecting to App:**
  - Ensure your Zigbee gateway is powered on and connected to your home network.
  - Verify the sensor is within range of the Zigbee gateway.

    - Put the sensor into pairing mode again and attempt to add it through the app.
    - Check the sensor's battery level via the app (if available) or ensure it's receiving adequate sunlight for charging.
- **Inaccurate Rain Detection:**
    - Inspect the rain sensing plate for dirt, debris, or obstructions. Clean if necessary.
    - Ensure the sensor is not under an overhang or in a location where rain cannot directly reach the sensing plate.
- **Solar Charging Issues:**
    - Confirm the solar panel is clean and free from obstructions.
    - Relocate the sensor to an area that receives more direct sunlight throughout the day.
- **App Alerts Not Received:**
    - Check your app's notification settings and your phone's system notification settings to ensure alerts are enabled for the Tuya Smart or Smart Life app.
    - Verify that the automation rules or alert conditions are correctly configured in the app.

8. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or contact EVTSCAN customer service through their official website or the retailer where the product was purchased. Please have your model number (EVTSCANuyn3mxc6hb) and purchase details ready when contacting support.