YZ61001-01SR Solar Rain Sensor Operation Manual

1.Product Features

1. All-metal shell: corrosion-resistant, waterproof, moisture-proof, and with excellent weather resistance.
2. Integrated design of solar panel and rain sensor: simple and elegant appearance.
3. Non-contact rain sensor: inducts at a distance, so rainwater does not directly contact the induction electrode, effectively preventing the electrode from rusting or corroding.
4. Amorphous silicon solar panel: high photoelectric conversion efficiency.
5. Built-in 600mA/h cylindrical lithium battery: large battery capacity, enabling normal operation even without sunlight for half a year.
6. Capable of triggering window closing repeatedly during continuous rain to ensure windows are closed in a timely manner when it rains.
7. Wireless signal output: stable signal, strong anti-interference ability, and long remote control distance.
8. Triggers a signal once rain is detected; secondary induction is possible without waiting for the rain to dry.
9. Equipped with a setting button and LED indicator for easy operation.
10. Adopts chips from international first-tier brands: stable and reliable performance.
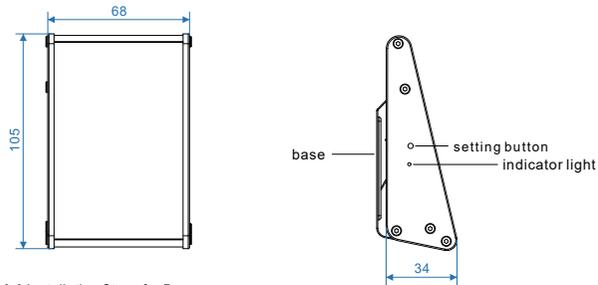
2. Parameter Table

Product Model	YZ61001-01SR-FSK	YZ61001-01SR-ASK
Operating Voltage	3V	3V
Quiescent Current	<60uA	<60uA
Solar Panel Voltage	5V/100mA	5V/100mA
Battery Capacity	600mAh	600mAh
Transmission Frequency	868.35MHz	433.92MHz
Remote Control Distance	80 meters outdoors	50 meters outdoors
Overall Dimension	105*68*34mm	105*68*34mm
Operating Environment	-20℃ ~+ 60℃	-20℃ ~+ 60℃

3.Installation Instructions

3.1 Installation Dimension Drawing
(Dimensions: 105mm (length) * 68mm (width) * 34mm (height))

68
105
34

base — setting button / indicator light

3.2 Accessory

1. 2 plastic expansion tubes

2. 2 cross-slot pointed-tip self-tapping screws (specification: PA4*30mm)

3.3 Installation Steps for Base

① card slot/buckle / bottom buckle
Pry open the bottom buckle to remove the rain sensor base.

② 46
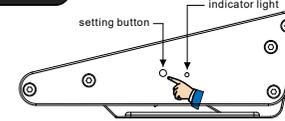Install the base in a well-lit area: drill holes, then fix with screws

③ buckle
Align the sensor's card slot with the base's buckle, insert and press firmly to finish.
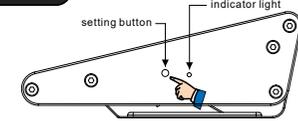
Note: The product must be installed outdoors to ensure it can be exposed to sunlight.

4. Function Description

1. Power On
setting button / indicator light
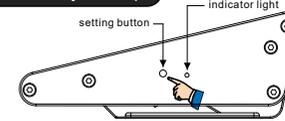
Shutdown state: Press and hold "setting button" for 2s to power on. The LED stays on 1s, then flashes 3 times continuously.

2.Power Off
setting button / indicator light

Power-on state: Press the setting button 4 times briefly in a row, then press and hold it for 2 s (5th press) to power off. On power-off: Indicator stays on for 2 s.
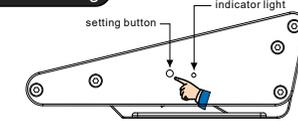
3. Low Battery Prompt
setting button / indicator light

Battery voltage <3.25V: Device enters low-battery prompt mode; pressing the button to wake it up triggers 5 quick indicator flashes.

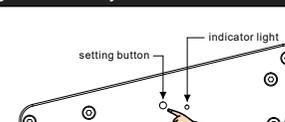**Note: Auto-exits low-battery mode when battery charges to 3.4V.**

4.Code Learning
setting button / indicator light
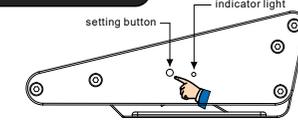
Hold the "setting button" for 5s; indicator flashes once (learning code sent successfully).

5.Single-Button Cycle Control Function
setting button / indicator light

Press "setting button" and release it within 1s to activate the single-button cycle control. The cycle mode is: Window Opening → Stopping → Window Closing → Stopping (repeats sequentially).
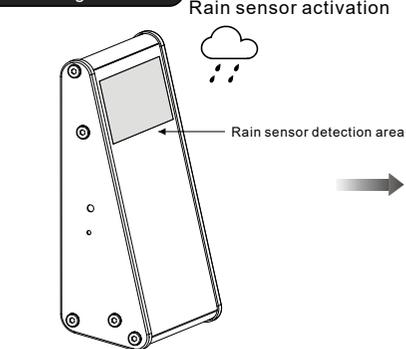
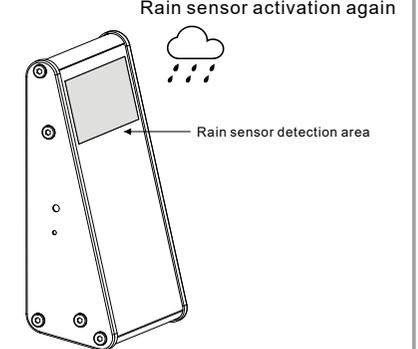### 6.Direction Reversal
setting button / indicator light

Direction reversal: Press setting button 2x briefly + 2x long (2s each).

Note:
(1) 1st long press (2s): indicator flashes once; release, then 2nd long press (2s): indicator flashes 3x.
(2) When the product is connected, if the running direction does not match, Use this operation.

7.Rain Sensing Function

Rain sensor activation
Rain sensor detection area

Rain sensing trigger (dry sensor surface): Any raindrop detection triggers window closing + indicator once flash

Rain sensor activation again
Rain sensor detection area

Rainfall decreases for 3s, then increases (raindrop change detected): triggers window closing again + indicator once flash.