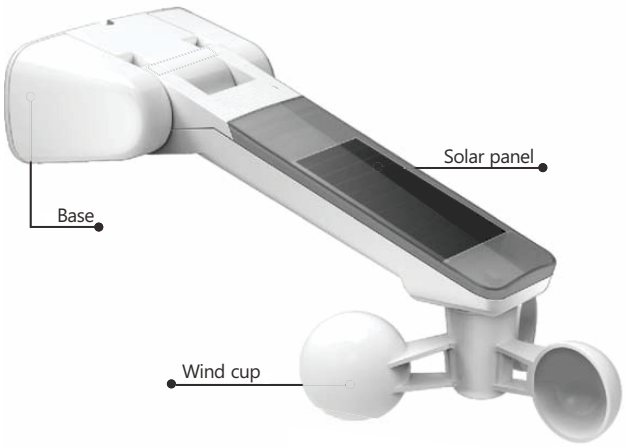
Instruction guide for Wind/Sun Sensor RS001

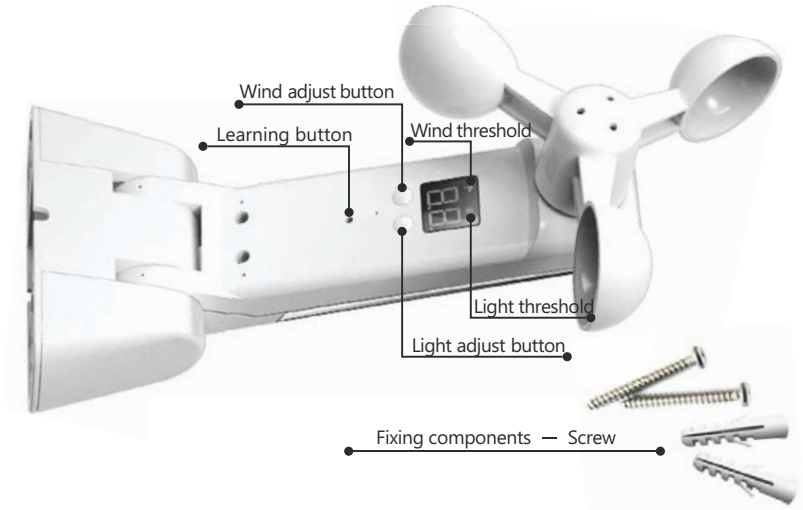
1. TECHNICAL DATA

Power: Ni-MH/3.6V Solar Panel + Battery
Protection Index: IP44
Temperature: -20 ℃ to + 60℃
Working Current: ≤12mA
Codes: Rolling Codes
Frequency: 433.92MHz

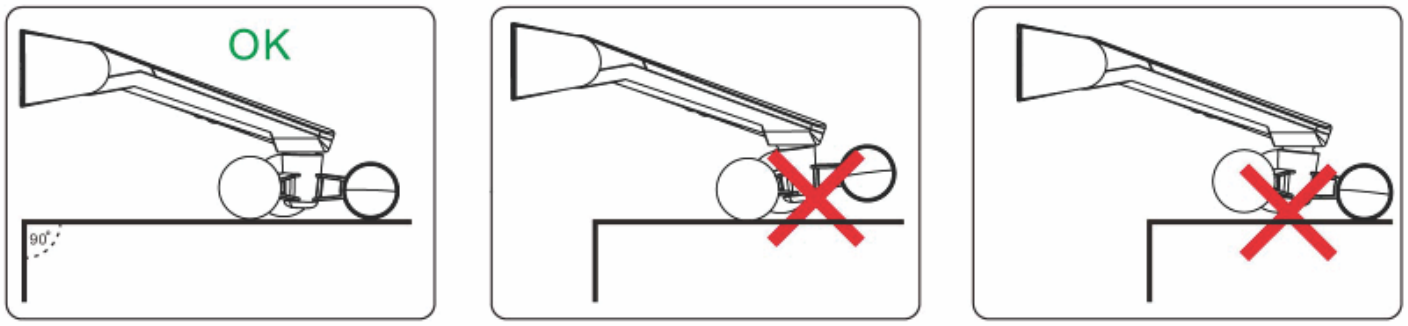
2. STRUCTURE

RS-001

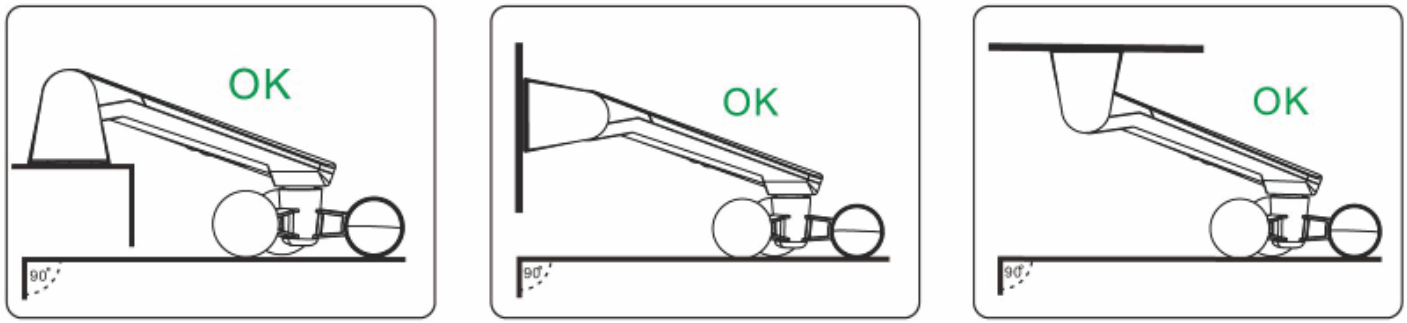




3. MOUNTING



02. Installation chart



4. INSTALLATION POSITION

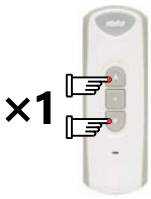
It's very important that the sensor be mounted so that the wind cups are as level as possible, as per the diagrams above. Failure to do so may create friction that makes it harder for the cups to spin, thus affecting the performance and reliability of the device. Also ensure that the device is mounted in an area that receives the same wind conditions as the awning if using wind sensing, and also full sunlight during the day if using the sun-sensing for control purposes. Make sure to test for connection between the device and the motor once set up.

Instruction guide for Sun/Wind Sensor RS001

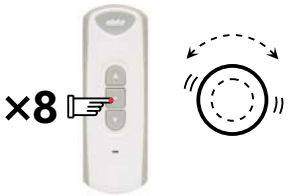
5. ASSIGNING SUN/WIND SENSOR TO A MOTOR

Please note: This device arrives with no charge in its battery. Please allow the device to charge for at least a full day prior to use. If it's a sunny, clear day, then 6 hours of direct sunlight may be enough to sufficiently charge the unit to allow setup.

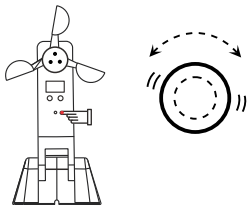
Method A using remote control



Press UP and DOWN together, then release.



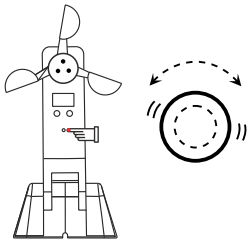
Press the STOP button 8 times.
The motor will vibrate after the 8th press.



Press the learning button on the motor twice.
The motor will vibrate if successful.

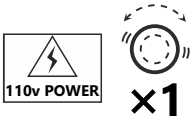
Method B using red button on motor

Press and release the red button on the motorhead.
The motor will vibrate.

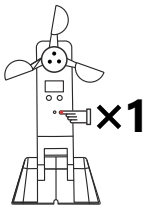


Press the learning button on the motor twice.
The motor will vibrate if successful.

Method C assigning on power up



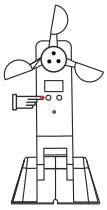
Plug the motor into power and the motor will vibrate.



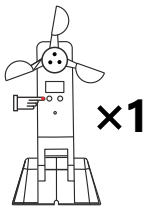
Press the learning button on the motor twice.

The motor will vibrate if successful.

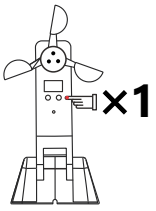
6. SETTING THE WIND THRESHOLD



Hold down the left button until the left LCD digit starts to flash. Then release.



Repeatedly press the left button to select a setting between 0-5.

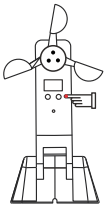


Once the setting is displayed, press the right button to lock in. LCD will stop flashing.

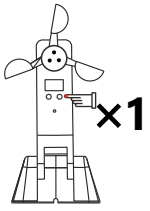
Chart 1-1 Wind Threshold Corresponding to Actual Wind Speed

Wind Threshold	Wind speed
0	Close wind speed test
1	10km/h **(6.2 mi/hr)**
2	15km/h **(9.3 mi/hr)**
3	20km/h **(12.4 mi/hr)**
4	30km/h **(18.6 mi/hr)**
5	>40km/h **(24.8 mi/hr)**

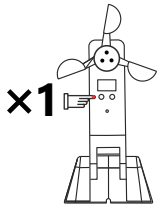
7. SETTING THE LIGHT THRESHOLD



Hold down the right button until the left LCD digit starts to flash. Then release.



Repeatedly press the right button to select a setting between 0-9.



Once the setting is displayed, press the left button to lock in. LCD will stop flashing.

Instruction guide for Sun/Wind Sensor RS001

Setting the Light threshold continued ...

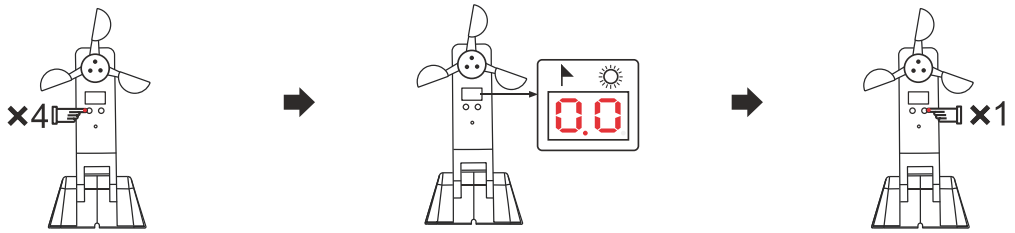
Chart 1-1 Light Threshold Corresponding to Actual Light Intensity

Light Threshold	Actual Light Intensity	Light Threshold	Actual Light Intensity
0	Close light intensity test	5	40000Lux
1	2000Lux	6	60000Lux
2	5000Lux	7	70000Lux
3	10000Lux	8	80000Lux
4	20000Lux	9	90000Lux

8. TESTING MODE

Wind speed testing mode.

Real time wind speed is detected for example, if 1.0 is displayed, then the actual current wind speed is 10km/h



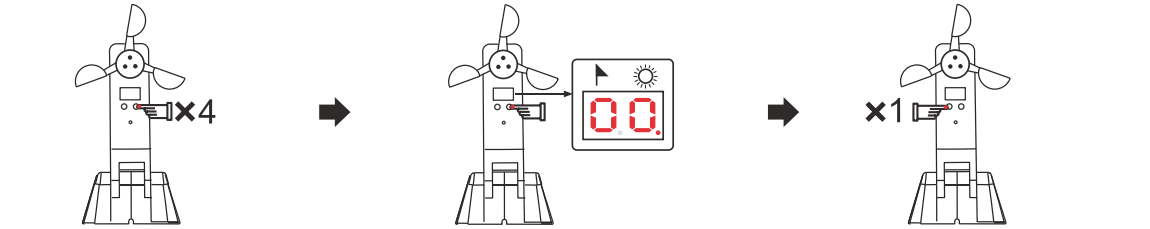
Press LEFT button 4 times.

The dot in the middle is always on. Check display for wind speed reading.

Press the RIGHT button to bring the unit out of testing mode.

Light intensity testing mode.

Real time testing of light intensity, for example, if 10 is displayed, then the actual lux level is 10,000. (see note below for extra information)



Press RIGHT button 4 times.

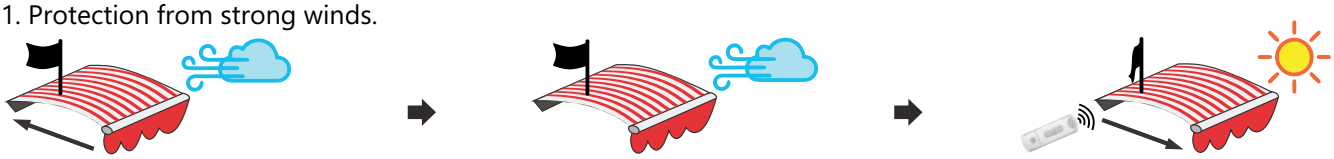
The dot in the corner is always on. Check display for light intensity reading.

Press the LEFT button to bring the unit out of testing mode.

Note: In light intensity testing mode, the display shows the light intensity from 1,000 to 100,000 lux. Below 1,000 lux it will show 00 and above 100,000 it will show 99. All other readings are simply multiplied x 1,000. Unit will time out after 3 minutes if untouched in that time.

9. FUNCTIONALITY

1. Protection from strong winds.



If the wind speed exceeds the set limit for longer than 6 seconds, an order will be issued for the motor to close the awning.

As long as the wind speed is higher than the set limit, it's not possible to open the awning by any method. The remote commands and sun sensing both become invalid.

If the wind speed falls below the set level for 30 continuous seconds, normal operation will resume.

2. Control by light sensing.

If the light intensity setting is exceeded for 10 minutes, the motor will be told to open an awning or drop a blind.

If the light intensity drops below the set level for 10 minutes, the motor will be told to close the awning or raise a blind.