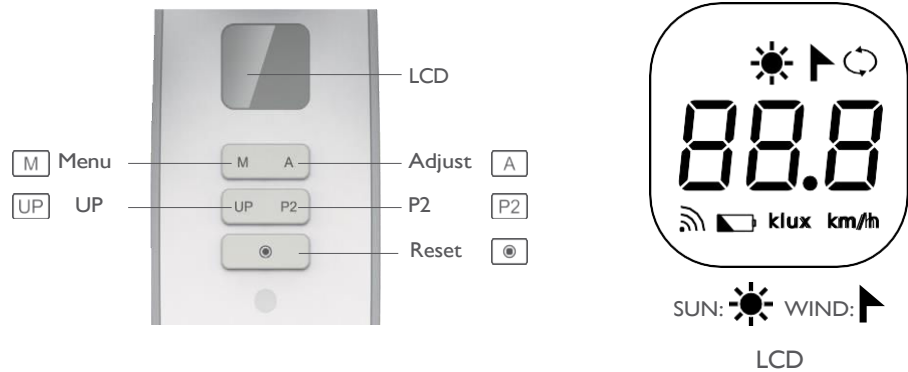


Title:	Dooya DD118B Sun-Wind Sensor Programming	Document No.: TR-W-003
Author:	Paul Wade	Revision - Date: 0 -06/12/2024



Dooya DD118B Solar Powered Sun/Wind Sensor Instructions



To wake the sensor up for the first time, press the reset button. The screen will come on after a few seconds. Until this is done, the sensor will generally not operate.

1. Programming The Sensor to a Motor by Remote

- Using the remote set to the correct channel, press the P2 button in the back twice.
 - The motor will jog and beep after each press. (Uni-directional motors beep but do not jog)
 - Then press the P2 button on the sensor.
 - The motor will jog twice and beep 3 times. (Uni-directional motors beep but do not jog)
- You can test the connection by running the motor down/out, then press the UP button on the sensor and the unit will retract.

2. Adjusting Sun settings

1. Tap 'M' to bring up display if it is blank.
2. Press and hold "M" for about 2 seconds and the digits will start flashing along with the sun symbol. *
3. Use the "UP" button to count up and the "A" button to count down. Holding either button will cause the unit to count faster.
4. Each full digit is 1000 Lux. You can set up to 100,000 Lux.

Warning: Use caution when activating the sun settings, as automated and unattended operation of awnings / screens can lead to undesired or dangerous operation. To ignore sun operation, set sun settings to "0.0"

3. Adjusting Wind settings

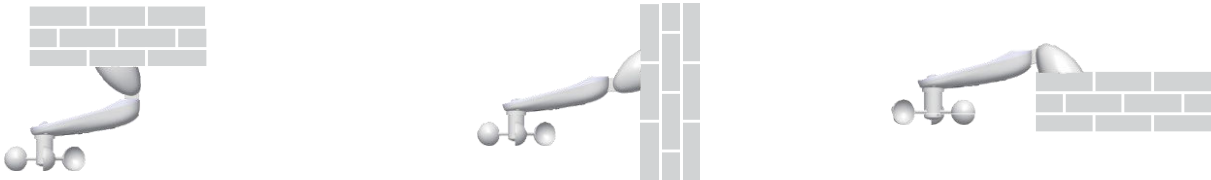
1. Tap 'M' to bring up display if it is blank.
2. Press and hold "M" for about 2 seconds and the digits will start flashing along with the sun symbol. *
3. Tap "M" again and the Flag 🚩 (wind symbol) will appear, and the digits will flash.
4. Use the "UP" button to count up and the "A" button to count down. Holding down either button will cause the unit to count faster in that direction.
5. The numbers in the display are the actual wind speed you are setting, from 0.1 kmh to 180 kmh.

NOTE: Once the wind has triggered the motor to retract, a screen or awning will not react to the sensor again for 8 minutes.

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4. Mounting the sensor

Make sure the sensor is mounted so that it receives the same wind as the unit(s). Ensure that the solar panel on top is not shaded and has access to direct sunlight for at least some of the day. Also make sure the spinning cups are level to the ground when mounted.



View Current Settings

- Tap the "M" button and the current sun setting will appear with the sun symbol flashing. (If you started with a blank screen, you would need to press "M" twice.)
- Tap "M" again and it will display the wind setting with the flag symbol flashing.

Check the actual current wind speed and light level

- Light level - With the sensor correctly mounted and the screen blank, press "A" and the sun symbol will appear. The numbers will reflect the current Lux level in 1000 Lux increments, for example 12.5 on the display is 12,500 Lux
- Wind speed – While the light level is being displayed, press "A" again and it will change to sensing wind speed. The speed shown is literal, so a display of 15.2 is 15.2 Kilometers per hour.
- If "A" is pressed again, a repeat symbol will appear, and the display will jump between sun and wind every few seconds.

Typical Settings

WIND 32 km/h = 20 mph / 48 km/h = 30 mph / 64 km/h = 40 mph

SUN 40.0 to 100 LUX - (Shade is approximately 19.0 LUX and full sun exposure is 100 LUX)

To Switch from Bi-Directional (Screen) motor function to Uni-directional (Awning) Motor Function

