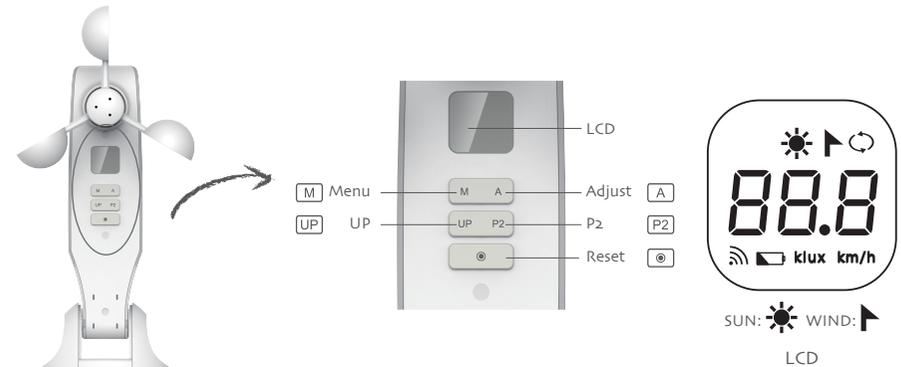# CO-2050
Wind-sun Sensor Instruction

Version: A/00

Product Features

Note: 1,Pls make sure that the wind-sun sensor have been paired to the receiver.
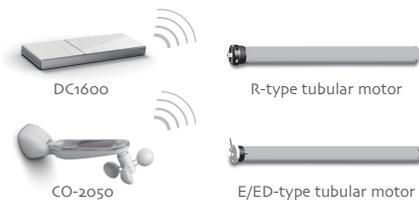2,pls make sure when press UP button, the awning will be retracted.

LCD

M	Menu	M	A	Adjust	A
UP	UP	UP	P2	P2	P2
		◎		Reset	◎

SUN: ☀ WIND: ▶

LCD

Technical specification

Working voltage: DC 3.7V	Working temperature：-10℃~+60℃	Working current: ＜20mA
Radio frequency: 433.05~434.79MHz	Radio range: outdoor ＞100 meters, indoor > 40 meters	
Safety code (50 million times without repeat, high security)		

Warning

1, Stable performance, wireless remote control, solar powered, Type-C charging.

2, Check the voltage once a day. When the voltage is lower than 2.7V, a small battery icon is displayed to indicate low voltage.

3, The sensor can be fixed to the wall with two screws.

4, Adjustable wind intensity range: 0~180Km/h; sunlight intensity range: 0~100Klux.

5, Once the wind intensity exceeds the setting level, the sensor will send signals to the motor automatically to close the awning within 3S.

6, When the sunlight intensity exceeds the setting level continuously more than 2 minutes, the sensor will send signals to open the awning and will not detect the sunlight intensity within 15 minutes; when the sunlight intensity hasn't less than the setting level continuously more than 15 minutes, the sensor will send signals to close the awning.

7, The LCD display screen will be ON for 30S. The LCD screen will turn off after 30S without any press while the programming keeps running at the background; Press any button(except reset button) to turn on the LCD screen for 30S.

Matchable Motors And Emitters
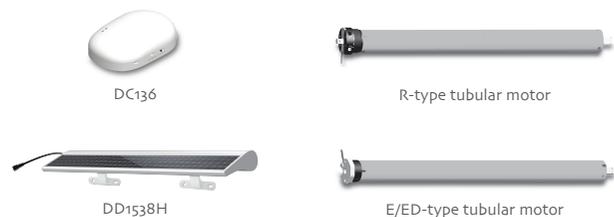
Uni-directional mode

DC1600

R-type tubular motor

CO-2050

E/ED-type tubular motor

Bi-directional mode

DD1600H

Standard tubular motor

CO-2050

DD1538H or External Receiver (Refer to "Matchable Receiver")

Matchable Receivers

DC136

R-type tubular motor

DD1538H

E/ED-type tubular motor

Wind-sun Sensor Working Principle

CO-2050

DD1538H → DD1538H

When the wind setting value is 20 km/h, the actual wind force is more than 20 km/h, the awning will close.

CO-2050

DD1538H → DD1538H

When the sunlight setting value is 20Klux, the actual sunlight is more than 20 Klux, the awning will open, if the actual sunlight is less than 20 Klux, the awning will close.
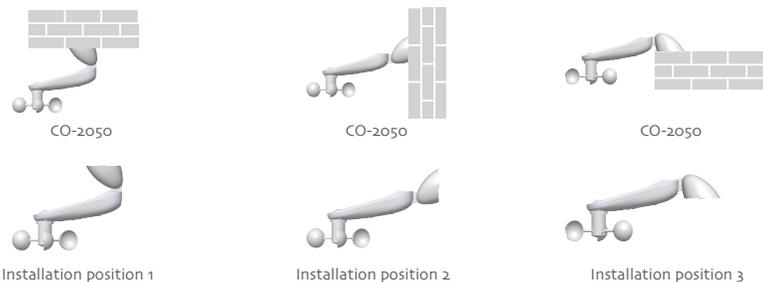
Correct Installation Method

Note: Installation must keep the fun blades at the horizontal level (as below picture).

CO-2050

CO-2050

CO-2050

Installation position 1

Installation position 2

Installation position 3

View The Data Of Wind-sun Sensor

Display the current sunlight intensity value

Check the setting data of wind-sun sensor

| A | → | A | → | A | → | " ↺ " flashes, the current detected sunlight and wind value will display in cycle |

Press once   Press once   Press once

Checking The Setting Level Of Wind-sun Sensor

" ☀ " flashes, display current sunlight intensity set value

" ⚑ " flashes, display current wind intensity set value

| M | → | M | → | M | → | Return to normal test mode |

Press once   Press once   Press once
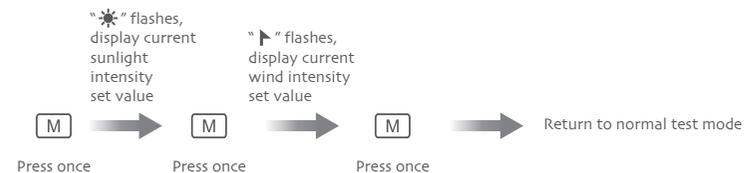
Setting The Wind And Sun Intensity Level

Note: 1,Long press [A] the decimal value will decrease faster, long press [UP] will increase faster.
2,Under the setting status, the corresponding setting value will flash, press [A] to change the setting value.
3,Under the setting status, if there is no any operation within 10S, the display will return to normal.

| M | → | ☀ 0.0 klux | → | UP or A | → | M | → | ⚑ 0.0 km/h | → |

Press 2S

"0.0" flashes, set the sunlight intensity detection value

Press [UP], decimal value+1, Press [A], decimal value-1

Press once

"0.0" flashes, set the wind intensity detection value

| ← | UP or A | → | Automatically save the value, it is still saved after reset or power failure |

Enter the status of adjusting the wind setting value, press [UP], decimal point value +1, press [A], decimal point value -1