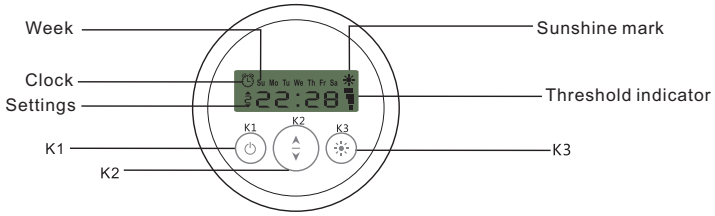
RS 102 Sun Sensor Instruction

❶ Technique Specifications

Emitter:

- Power:3V Lithium battery,CR2032
- Frequency:433.92MHz
- Currency: 10mA
- Code:Rolling Code
- Protection Index:IP65

❷ Product Appearance

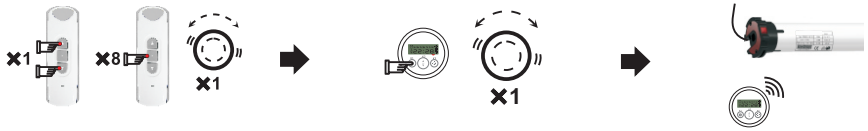


❸ Code Learning

Note:

Before using the sun sensor,make sure the upper and down limit position have been set, and the emitter can control the motor with correct direciton.

1) Way A:Copy

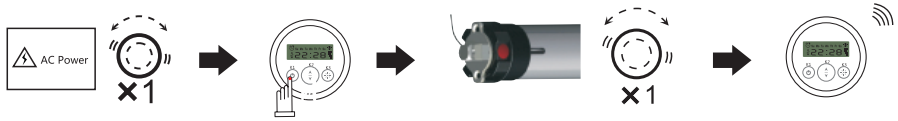


(1)Press Up and Down button simultaneously once, press stop button 8 times, the motor will vibrate once.

(2)Long press the leaning button of the sun sensor K1 once, the motor vibrate once.

(3)Then the motor can be controlled by the sun sensor.

2) Way B



(1)Power on, the motor will vibrate.

(2) Long press K1

(3)The motor vibrate once to confirm.

(4)Press K2 and the motor will run in Up-Stop-Down-Stop-Up...sequence.

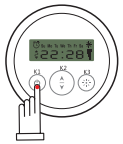
Remark:

The sun sensor should be deactivated when the code learning is made. If not, please see Step 4 Activate/Deactivate Sun Sensor.

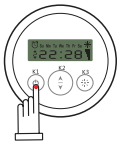
❹ Activate / Deactivate Sun Sensor

Operation

1) Activate/Deactivate Sun Sensor



(1)Short press K1, the sunshine mark will appear and be solid on the screen, the activate is successful



(2) Short press K1again, the sunshine mark will disappear, the deactivate is successful

❺ Set the Sun Threshold

1)Confirm Direction

Direction Setting:Long press K3 and release.When the sunshine mark flashes, short press K1 button, the motor will run Up-Stop-UP-Stop;If shutter runs downwards, long press K1 button for 3 seconds to change the direction.Long press K3 and release. When the sunshine mark is solid on, the setting is done.

2)Adjust the Threshold

Set the Sun Threshold

(1)when the sun sensor is activated,short press K3 once, the threshold sign will show the current sun threshold.

(2)Short press K3 button again, the sun threshold will be changed.

The sun threshold has 3 fixed threshold and 1 free threshold which could be adjusted as per the user's preference.
Threshold 1 = 10'000LUX
Threshold 2 = 20'000LUX
Threshold 3 = 40'000LUX
Threshold 4 = Free threshold which can be personalized and collects the current environment's sun levels. (Follow the step in test mode).

***Remark:**
As the sun threshold is influenced by numerous factors, especially sunshine angle, the Threshold 1, 2,3 data are just for reference. If a different threshold is need, please set in the Free Threshold 4.

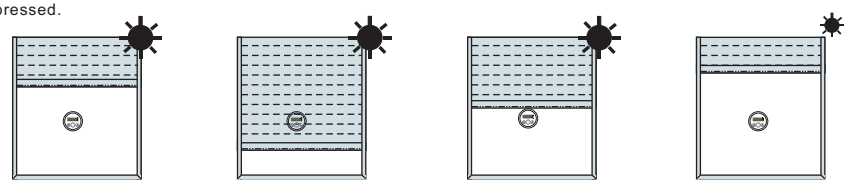
3)Test Mode

(1) Long Press K3 for 3 seconds, it will enter the test mode when the sunshine mark will flash constantly. Stick the sun sensor to the ideal position on the window under the current sunlight.

(2)When the light intensity exceeds the set threshold for 10s,a Close command is sent to the shutter and it will fall down to the position which cover the sun sensor(pic b),the shutter will rebound upwards to expose the sun sensor(pic.c).
If the shutter is expected to be opened at the current environment, the user need to change the sun threshold higher

(3)When the light intensity keeps lower than the set threshold for 10s, a Open command is sent to the shutter and it will run upwards, then stop at upper limit position. (pic.d)

(4)Long press K3 to exit test mode. Or the sun sensor will automatically exit test mode after 1mins if no buttons are pressed.



a b c d

RS 102 Sun Sensor Instruction

Remark:

Once under test mode and the threshold is on level 4, the current light intensity will automatically be stored as the sun threshold.And the previous set threshold 4 will be covered

That is to say, the current sun threshold will be regarded as threshold. In this way, customer could set the threshold according to their demands.

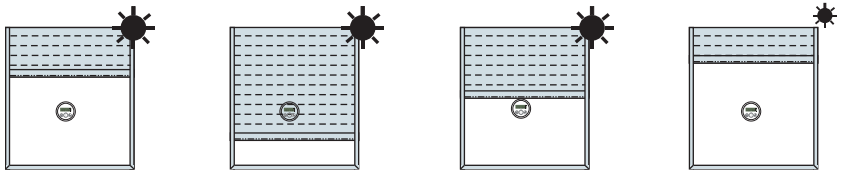
The free threshold 4 can be set repeatedly.

When testing,make sure the sun sensor is sticked on the ideal position,then operate it under current environment.

4) Standard Operation Mode

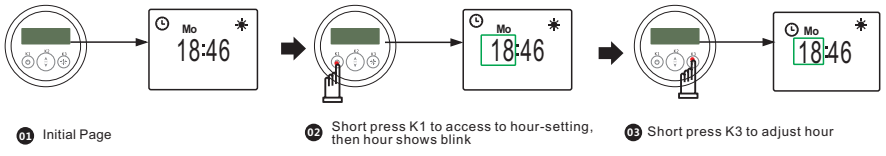
When the light intensity exceeds the set threshold for 3mins, the shutter will run downwards to the Sun Sensor position as Pic.b, and rebound upwards to expose the sun sensor as Pic.c.

If light intensity keeps lower than the set threshold for 15 minutes, the shutter will run to the Up limit as Pic.d.



❻ Time-setting

When sun sensor is activated, long press K1 when it is in the initial page then it accesses to time setting page.



01 Initial Page

02 Short press K1 to access to hour-setting, then hour shows blink

03 Short press K3 to adjust hour

04 Short press K2 again to access to minute-setting, then minute shows blink. Short press K3 to adjust minute.

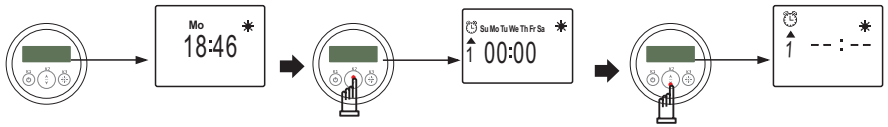
05 Short press K2 again to access to week-setting, then week shows blink. Short press K3 to adjust week.

06 Long press K3 to save the setting and go back initial page after it is finished.

Remarks: No operation within 10s, will exit the clock setting mode automatically.

❼ Timer setting

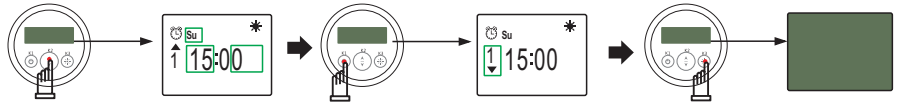
When sun sensor is activated, long press K2 when it is in the initial page to access to timer-setting page, the timer mark will be showed in the upper-left corner of LCD. You can set timer by 16 timing switch / separately and make a circle timer setting among 8 timer switch by pressing K2.



01 Initial Page

02 Long press K2 to access to timer setting page

03 Long press K2 to delete timing



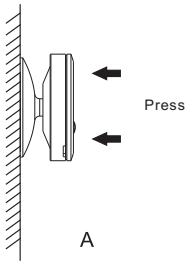
04 Short press K2 to set timer and details could follow "7 timer setting instruction"

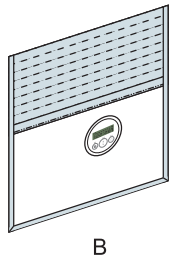
05 Short press K1 to make a circle setting in these 8 timer switch

06 If there is no operation in 3 min, the screen will be off

❽ Installation

1)Installation of Sun Sensor

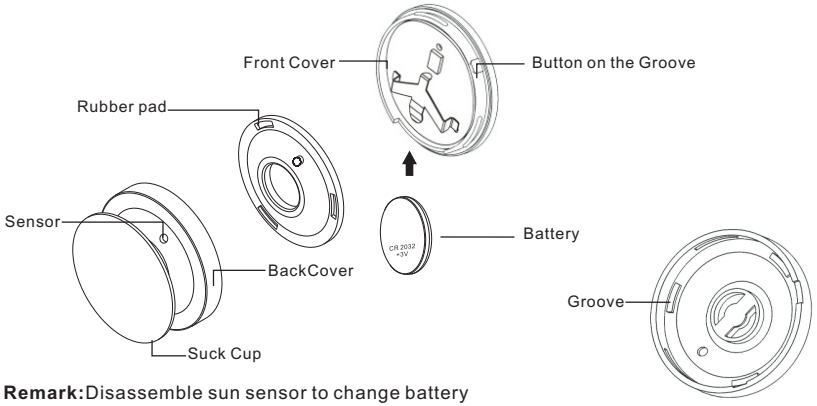




A. Firmly press the suck cup onto inside window and position the sensor towards the outside of window. Release until no air in the suck cup.

B. Place the sun sensor to the ideal position.

2) Battery Installation



Remark: Disassemble sun sensor to change battery

⚠ Note

- 1.Setting may fail due to the intereference of signal. If in this case, please reset.
- 2.Plerase do not press buttons too long in case life span of battery declines. The button press should be about 0.5s with 1s interval. If the battery is in low power, please replace battery.
- 3.Children should be supervised to ensure that they do not play with the appliance.
- 4.The suitable working temperature is -10℃ to +55℃.
- 5.All products are as per material subjects if there is change in apperance, colour, function etc. The information is subject to changes without prior notice.