



Internal Sun Sensor

Detects sunlight levels and automatically adjusts your shades to the perfect position for enhanced comfort and convenience.

Transmitting power: 10 mW
Battery: 1.5V (RL03 AAA battery×1)
Working temperature: -15°C~60°C

MT02-0302-067003_v1.0_August 2024

Safety

Warning: When using this product, please note the following safety precautions:

- 1: It's forbidden to use different type battery to avoid any dangerous risk.
- 2: Dispose the used batteries properly.
- 3: Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate. Even used batteries may cause severe injury or death. Call a local poison control center for treatment information.
- Non-rechargeable batteries are not to be recharged. Do not force discharge, recharge, disassemble.
- Heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -). Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

4: The product can be used at an altitude of max. 2000 meters above sea level
5: The operation of radio systems in the vicinity of devices with magnetic radiation or metallic surfaces impairs interference-free operation. Structural conditions impair the range and function of the radio system.
6: The radio system must not be operated in areas with a high risk of interference from third parties (e.g. hospitals, airports or similar facilities).

FCC & ISED Statement

MT02-0302-067003
FCC ID: 2AGGZ003B9ACA58
IC: 21769-003B9ACA58

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

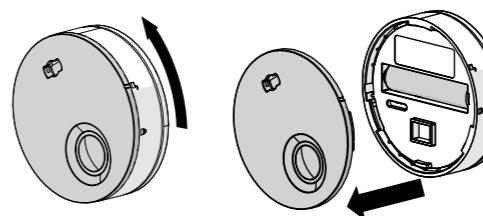
Battery Replacement

To change battery, twist the back cover counter-clockwise to the unlocked position.

Note: When battery is low, the LED will blink every 2 minutes.

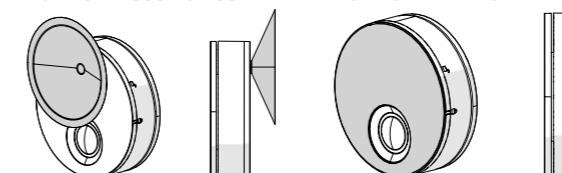
STEP 1

STEP 2

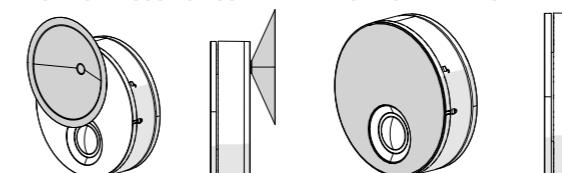


Mounting options

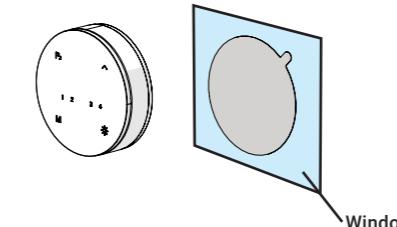
OPTION 1: SUCTION CUP



OPTION 2: ADHESIVE TAPE



Note: When using the adhesive tape, it is advised to use the window protector to prevent any adhesive residue.



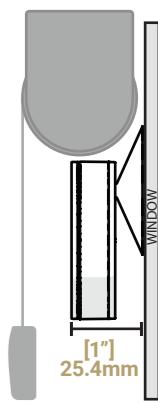
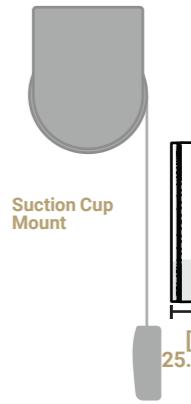
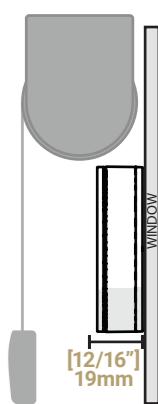
Installation considerations

Note: To avoid Hem bar coming into contact with the Sun Sensor, follow minimum distance to window.

Standard Roll

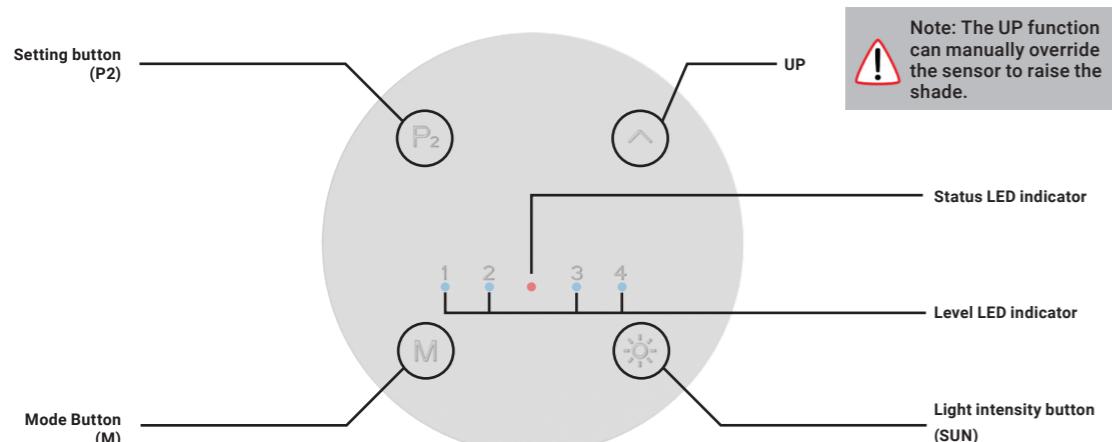


Reverse Roll

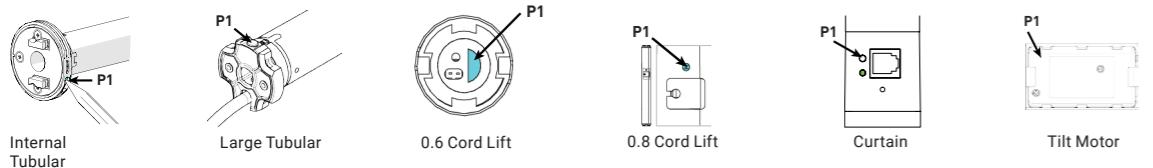


INSTALLER

Button locations

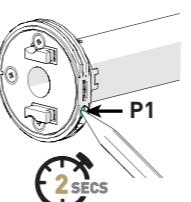


P1 Locations



Using P1 Button

Hold P1 on motor head.



* Internal Tubular Motor pictured.
Refer to "P1 Locations" for specific devices.

Press the P1 button on the motor for 2 Seconds until the motor responds as below.

MOTOR RESPONSE



Hold P2 on sensor to add or remove.

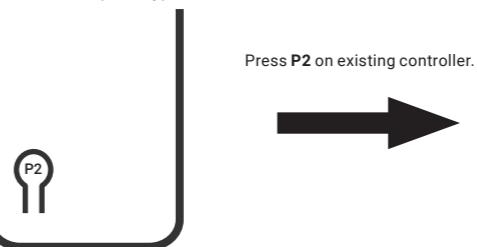


MOTOR RESPONSE

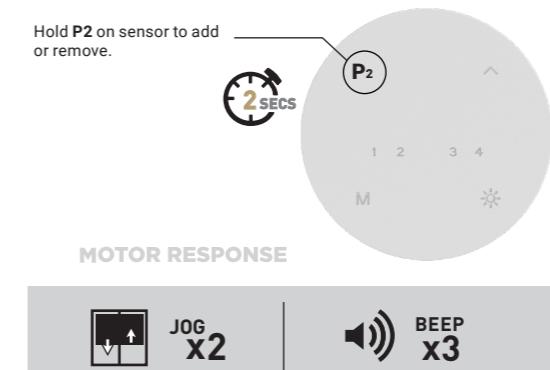


Pre-existing Controller

A= Existing controller or channel (to keep)



B= Controller or channel to add or remove



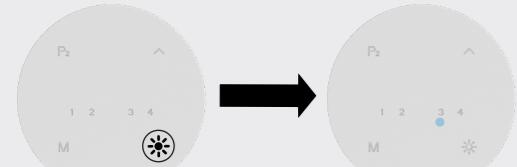
LIGHT LEVELS

Note: The factory default mode is level 1, the sensor is disabled. Tap SUN to check the current sun setting, Hold SUN for 2s to switch to next level.

Gear	Light intensity detection range	LED lit up	Remark
1		1	Sensor is disable
2	15KLUX	2	Light level is set to trigger command at light levels above 15K and below 30K.
3	30KLUX	3	Light level is set to trigger command at light levels above 30K and below 45K.
4	45KLUX	4	Light level is set to trigger command at light levels above 45K and below 60K.

Check the light level intensity

Press x1



Switch the sun level

Hold

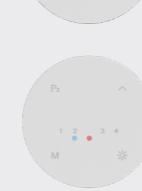


AMBIENT LIGHT DETECTION

Press M + SUN



Both level & status LED indicator will turn on, the sensor enters detection status.



Current ambient light intensity indicator will be ON



20 seconds later, the sensor will exit the detection and the LED indicator will turn OFF

Light intensity detection range (LUX)	LED lit up	Remark
<15K	1	Ambient light intensity is less than 15K
15K~30K	2	Ambient light intensity is between 15K and 30K
30K~45K	3	Ambient light intensity is between 30K and 45K
>45K	4	Ambient light intensity is between 45K and 60K

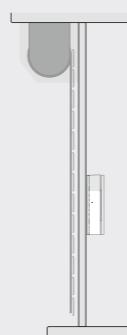
WORKING MODE 1



Light level 1 is ON

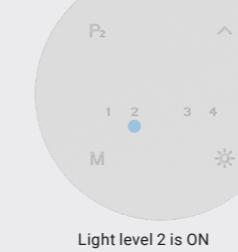


For outdoor blinds and roller shutters, when the blind or shutter runs downward, it will block the sensor.



When the sun intensity exceeds the setting level for more than 2 minutes, the sensor will send a down command, the roller shutter/blinds will lower and the sensor will enter rest mode.

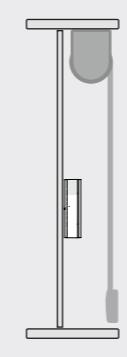
WORKING MODE 2



Light level 2 is ON



For indoor roller blinds, the blind runs downwards, it wont block the sensor



When the sun intensity exceeds the setting level for more than 2 minutes, the sensor will send the down command, and the roller blinds will lower.

When the sun intensity is lower than the setting level for more than 15 minutes, the sensor will send the UP command and the roller blinds will raise.

CHECK WORKING MODE

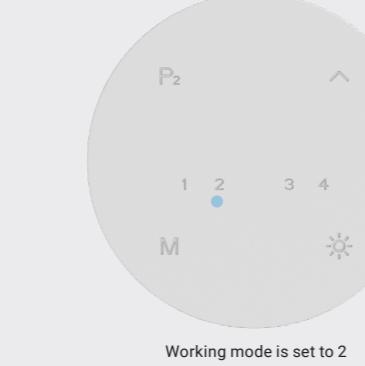
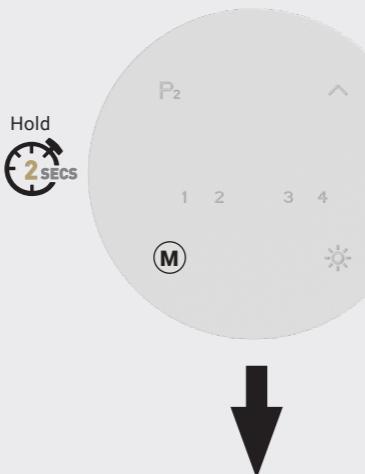
Press x1



Working mode is set to 1

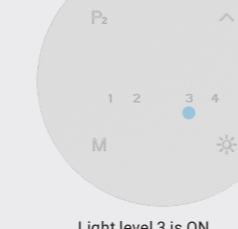
SWITCH WORKING MODE

Hold
2 SECS



Working mode is set to 2

WORKING MODE 3



Light level 3 is ON



For outdoor roller blinds and roller shutters, the blind/shutter runs downwards, it wont block the sensor.



When the sun intensity exceeds the setting level for more than 2 minutes, the sensor will send the down command, and the roller blinds will lower, blocking the sensor, then the blinds will run upwards, stopping above the sensor.

When the sun intensity is lower than the setting level for more than 15 minutes, the sensor will send the UP command and the roller blinds will raise.

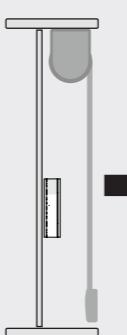
WORKING MODE 4



Light level 4 is ON



For indoor roller blinds, the blind runs downwards, it wont block the sensor.



When the sun intensity exceeds the setting level for more than 2 minutes, the sensor will send the favorite position command, raising or lowering to your set favorite position

When the sun intensity is lower than the setting level for more than 15 minutes, the sensor will send the UP command and the roller blinds will raise.

 Note: To set favorite position refer to the specific controller instructions.