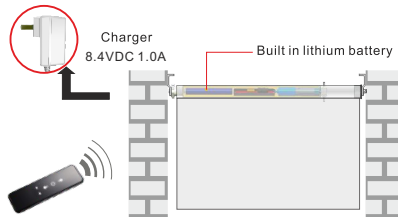


Main features

- Energy saving patent design, available for external battery pole or solar panel; Self-checking and correct the brake Offset;
- Set the limit position by remote, more easier for installation and adjustment;
- Built in control board using sealed box, more secure and higher reliability;
- Easily shift the dot move/continuous move mode and the motor direction;
- Maximum six different limit positions, besides UP/DOWN limit position, another 4 middle limit positions are optional;
- Reliable circuit protection for relay.
- The battery can last 4-6 months for one fully charged, counting the motor working 1 minute every day.

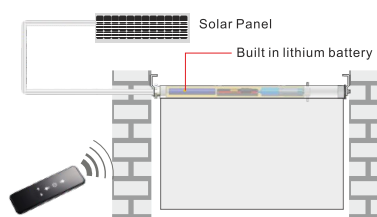
II. Applications

Application 1: Lithium Battery Power



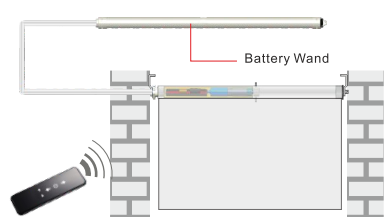
Please take out the Battery charger after fully charged in 4 hours.

Application 2: Solar Panel Power



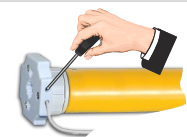
In sunny day, it takes 2 days to be filled with electricity.

Application 3: Battery wand Power

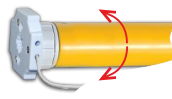


III. Operation

1. Programming



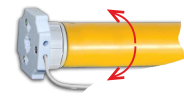
Press PROG for 1s



Motor jog once



Press UP

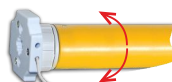


Motor jog once and the program finished

2. Change direction



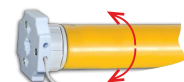
Press STOP of the programmed transmitter for 5s



Motor jog once



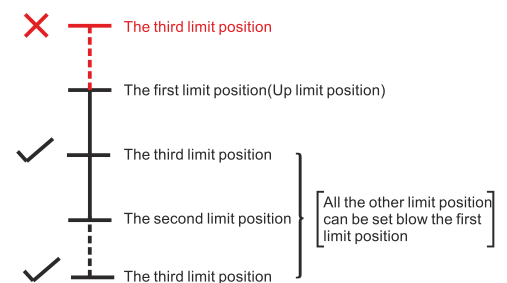
Press DOWN



Motor jog once and the direction changed

3. Limit position setting

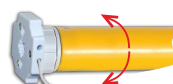
- Maximum six different limit positions can be set, the furthest two positions called the UP and DOWN limit position, others called the middle limit positions;
- When the first limit position is the UP limit position (as right illustration), all other limit positions can only be set below this position; the same thing, when the first limit position is the DOWN limit position, all other limit positions can only be set above this position;
- Every limit position can be fine-tuned or deleted separately (The first limit position can only be fine-tuned but can't be deleted separately. It can be deleted when delete all memories);
- The motor stops at the next limit position after accepting once UP/DOWN order. When it reaches the UP limit position, the UP order is no use any more; when it reaches the DOWN limit position, the DOWN order is no use;
- Press the UP/DOWN button twice on the transmitter at the speed of once a second, motor will go directly to the UP/DOWN limit position without any stop at the middle limit



4. First limit position setting (If there's no any action within 30's, the motor will exit from limit position preparation automatically)



Press the PROG of the programmed transmitter for 1s



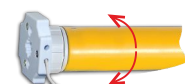
Motor jog once enter into limit setting preparation



Press UP adjusting the motor to the expected position to set the up limit position as first limit, Or press DOWN to set the down limits as the first limit.

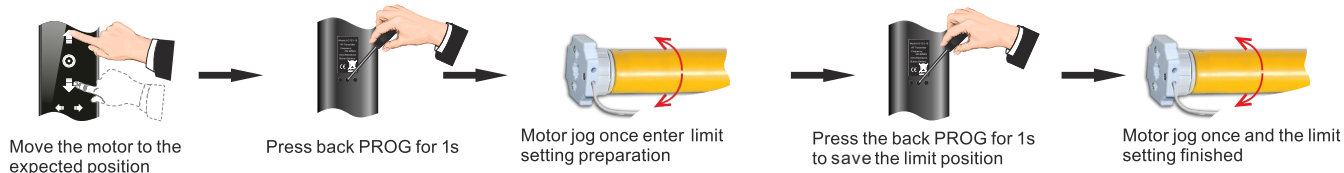


Press the back PROG for 1s to save the limit position

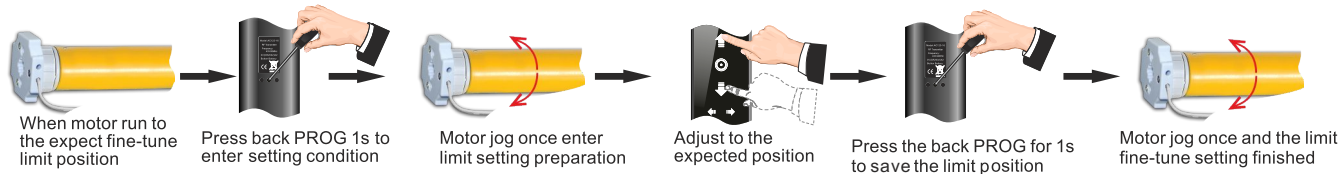


Motor jog once and the limit setting finished

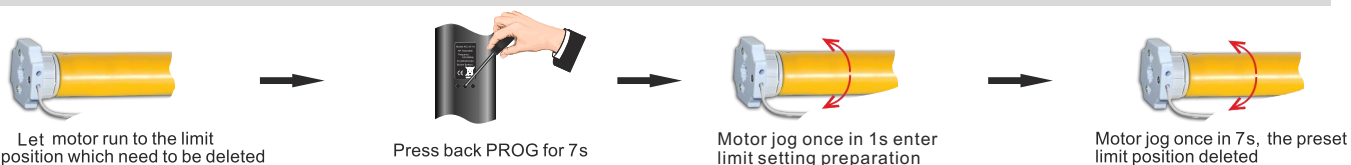
5. Other limit position setting * (If there's no any action within 30 s , the motor will exit from limit position preparation automatically)



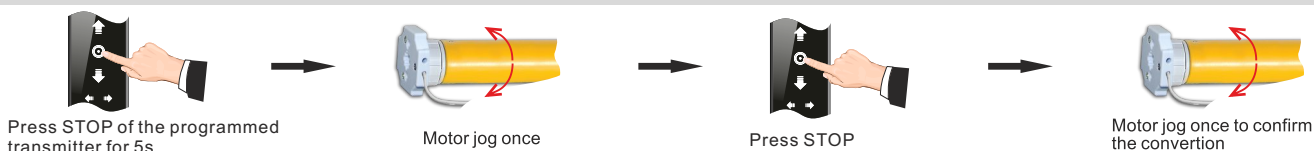
6. Limit position fine-tuning * (If there's no any action within 30 s , the motor will exit from limit position preparation automatically)



7. Delete the limit position * (The first limit position can't be deleted)



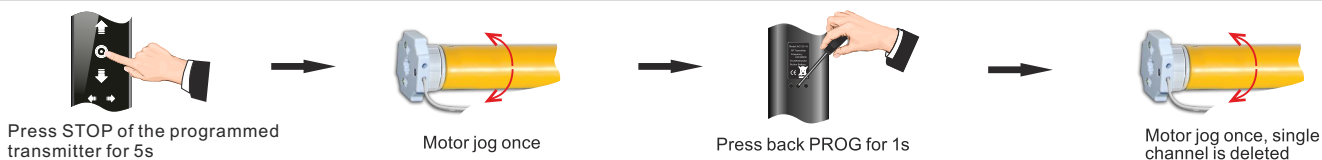
8. Dot move and continuous move conversion



9. Add the new transmitter

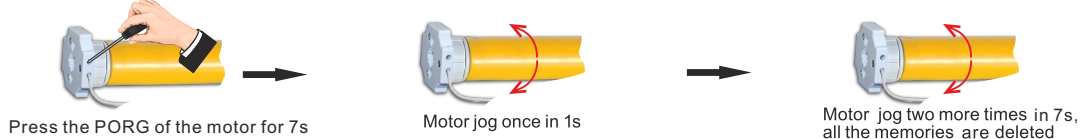


10. Delete single channel memory



11. Delete all the memories * After deleting all codes, the motor will be restored to factory setting.

Method 1



Method 2



IV. Trouble Shooting

Items	Problem	Matter	Shooting
1	After connecting with the power, the motor doesn't work or work slowly	A. Connected with wrong voltage B. Over loading C. Incorrect installation leads to motor sticking	A. Change to correct voltage B. Choose suitable motor torque C. Check the components
2	The motor stops suddenly during working	A. The motor has been exceeded overheating protection, B. Power was cut off C. Motor moves to limit position	A. After the motor with natural cooling, it will come back to work again B. The motor will come back to work once power on C. It is normal