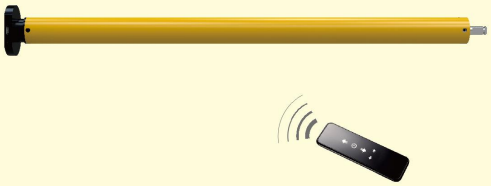
A-OK® Smart Tubular Motor



I .Features

- Energy Saving Patent Design.
- Built-in Rechargeable Lithium Battery Pack.
- It has automatic correction function for the displacement generated by braking.
- The built-in control parts of motor are sealed well for better safety.
- It's easy to switch the mode between inching and interlock and control operation direction.
- Electronic limits setting,6 limits can be set (2 end limits and 4 middle limits).
- Short circuit protection & open circuit protection for sensor.
- Built-in low power Zigbee module and APP intelligent control function.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development (ISED) Canada's licence-exempt RSS(s). "; Operation is subjected 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. Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.The distance between user and products should be no less than 20cm.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.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development (ISED) Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
The device has been evaluated to meet general RF exposure requirement.
The distance between user and products should be no less than 20cm.

Cet appareil contient des émetteurs/récepteurs exemptés de licence qui sont conformes aux flux RSS exempts de licence du Canada pour l'innovation, la Science et le développement économique (ISDE).Le fonctionnement est soumis aux deux conditions suivantes: (1) ce dispositif ne peut pas causer d'interférence, et (2) ce dispositif doit accepter toute interférence, y compris les interférences pouvant causer un fonctionnement indésirable du dispositif.
L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF.

la distance entre l'utilisateur et les produits devraient être au moins 20 cm.

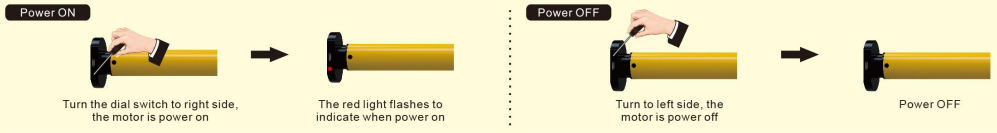
AM25-1/25-ES-EB

Duct outer dimensions (W x H x D):
477.2 x 42.75 x 47.7mm
Inner tube dimensions: 25 mm

Operation Instruction

1.Power ON/OFF

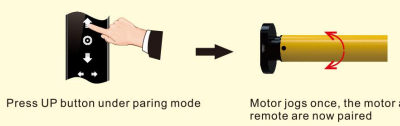
* After switching off power, the motor will not be able to receive remote signals.



2.Programming Preparation

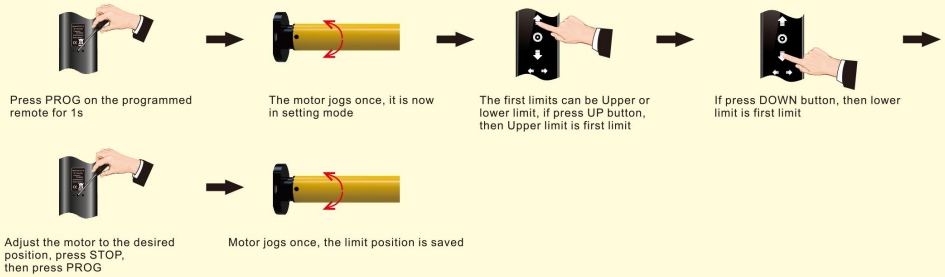
* If there is no action in 10 seconds, the motor will exit programming automatically.

3.Paring remote



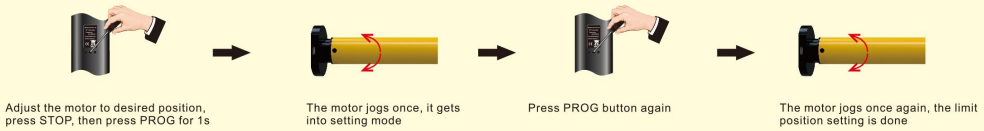
4.Change Direction

5.First limit position setting



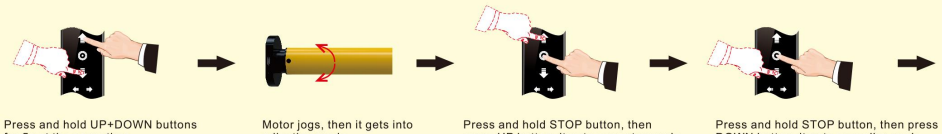
6.Other limit position setting

* If there's no any action within 30's,the motor will exit from limit position preparation automatically



7.Limit position fine-tuning

8.Tilt angle adjustment (Special for Zebra blinds, Shangri-la blinds etc.)



Press and hold UP+DOWN buttons for 5s at the same time

Motor jogs, then it gets into adjusting mode

Press and hold STOP button, then press UP button, it gets a greater angle

Press and hold STOP button, then press DOWN button, it gets a smaller angle

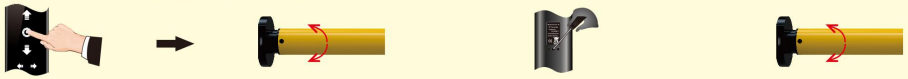
Motor jogs then the adjustment is done

Then press and hold STOP button for 2s to save and exit adjusting mode

The motor jogs once, setting is saved

9.Jog movement & Continuous movement switching

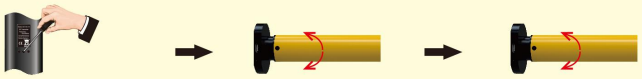
* The default movement of the motor is continuous, can be changed to jog movement or back to continuous movement for blind positioning or during fine tuning mode. If APP control, it is continuous movement.



Under the programming preparation, press the remote "STOP" button

Motor jogs once, the switching is done

11.Delete the limit position



Let the motor run to the limit position which needs to be deleted, press PROG for 7s

The motor jogs once after 1s then goes into setting mode

The motor jogs once again after 7s, the preset limit position is now deleted

12.Reset motor

* Make sure the interval between every actions less than 1s

Method A

Short press PROG button, release when red light comes on

Short press PROG button again, release when red light comes on

Press and hold PROG for 3s, release until red light flashes twice

Press PROG button and hold until motor jogs twice.The reset is done

Method B

Press STOP of the programmed transmitter for 5s

Motor jogs once

Press back PROG for 7s within 10s

Motor jogs once in 1s

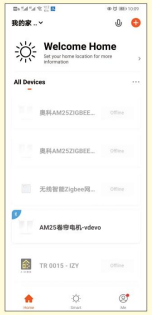
Motor jogs two more times in 7s.The reset is done

13.Supplemental Instruction

a. Max. 6 limit stop positions. (Upper limit/ Lower limit and 4 intermediate limit positions)
b. When the first limit position is the up limit position, all other limit positions can only 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. can't be delete
c. Every limit position can be fine-turned 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)
d. Under the jog mode, short press the up or down button, motor jogs once. Press the up or down button for more than 1s, and the engine moves to the limit positions.
e. Under the continuous move mode, quickly press the up or down button twice on the transmitter, and the motor will go directly to the up or down limit stop position without stopping at the middle limit position.
f. The light is red when charging and will turn to green when fully charged.
g. The motor will stop when the voltage is under 6.8V, and start working at 6.9V; motor moves under 7.0V, the red light will flesh(the working voltage)
Battery shortage alarm:
The red-light flashes when the battery capacity is below 7.0V, yet it is still in continuous move mode.
The motor will step into jog mode when the battery capacity is below 6.8V, which means you must charge the engine.
h. The motor needs to unlock in a different direction when it is blocked; Need to change the jog mentioned direction if the direction is the same as the jog direction.
When the motor is blocked, it needs to be unlocked in reverse, and if it is in the same direction as the shaking, change the direction of the shaking prompt
I. The charge cable needs to have the data transfer function.
Motor charging needs to use TYPE-C charging cable with data transmission function.

14.APP instructions

1.Scan the QR code ,then download and install APP.

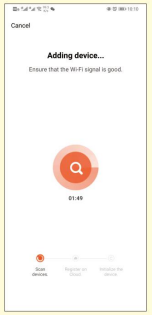


2.on the interface"Welcome home",choose"Add a device" or click "+"at the right corner.

3.On this interface,click "manually add""Gateway control " "wireless gateway(Zigbee)".

4.choose network and type in password.

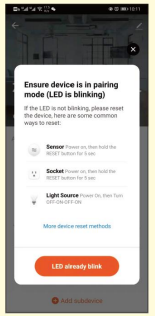
5.Gateway power on,long press the setting button on the gateway until the red indicator light flash quickly and blue light is on for long. Click "Confirm the indicator is



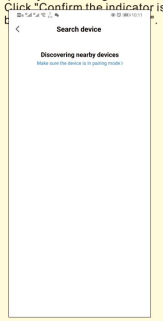
6.Matching Network.

7.Finish adding gateway, click "Done".

8.On the interface of intelligent gateway,click"add sub device".



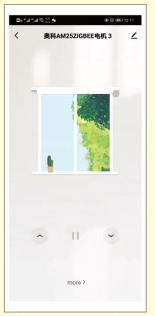
9.On the interface,make the motor match network.(short press the PROG for 5 times constantly by the speed of once every second and hold it for 3 seconds at the 5th press),then the motor jogs,entering networking matching mode,the green light flashes. click the "LED already blink".



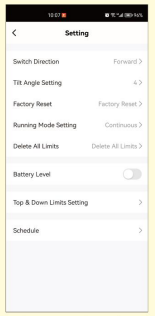
10.Network Matching.

11.The motor matches network successfully.The green light stops flashing and start long flash for 2s, the motor jogs,you finish adding a device ,click "Done".

12.On the interface,you can open the device that you need to control.



13.On the interface of controlling device, click"More".



14.On the interface of setting, for further operations.

Trouble Shooting

Item	Problem	Matter	Shooting
1	The motor doesn't work and no any move	A. Power is cut off B. Shortage voltage protection C.Incorrect installation leads to motor stucking	A. Switch it on by button B. Start the motor after charging it for 6 hours C.Check and make sure all parts are installed properly
2	The motor stops suddenly during operation	A.Shortage voltage protection B.Protect the motor when encounter obstacle	A.The motor will resume to work after being charged B.Check if there is something stuck or overloading