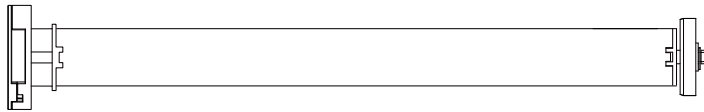


SAFETY NOTE

- 1, This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- 2, Children shall not play with the appliance.
- 3, Cleaning and user maintenance shall not be made by children without supervision.
- 4, If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- 5, WARNING: the drive shall be disconnected from its power source during cleaning, maintenance and when replacing parts.
- 6, The instructions shall state that the A-weighted emission sound pressure level of the drive is equal to or less than 70 dB(A), e.g. by writing LpA ≤ 70 dB(A).
- 7, The mass and the dimension of the driven part shall be compatible with the rated torque and rated operating time.
- 8, The type of driven part the drive is intended for.
- 9, WARNING: Important safety instructions. It is important for the safety of persons to follow these instructions. Save these instructions.
- 10, Do not allow children to play with fixed controls. Keep remote controls away from children
- 11, Frequently examine the installation for imbalance and signs of wear or damage to cables and springs. Do not use if repair or adjustment is necessary
- 12, Watch the moving shutter and keep people away until he shutter is completely closed
- 13, WARNING: Important safety instructions. Follow all instructions, since incorrect installation can lead to severe injury.
- 14, Before installing the drive, remove any unnecessary cords and disable any equipment not needed for powered operation



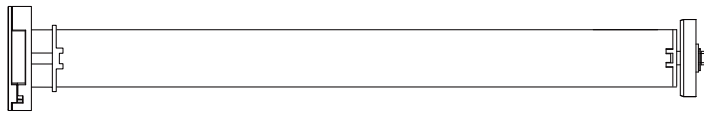
Tubular Motor-
BR-28-0228
Specification



(A-02)

Product introduction

⚠ One motor can store maximum 20 channels; after fully stored, if pair new channels, only the last one will be covered circularly.



Features:

- Built-in Receiver
 - Electronic Limit
 - Switch Direction
 - Stall Protection
 - Speed Regulation
- Jog & Tilt
 - Preferred Stop Position
 - Low Power Consumption
 - Restore Factory Setting

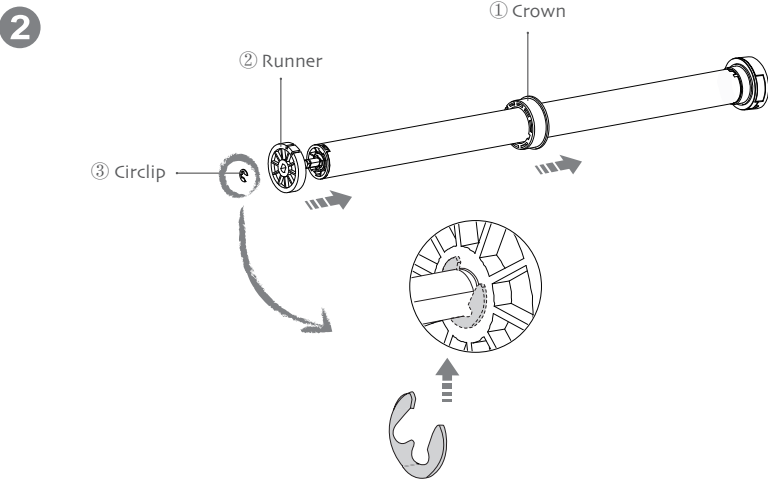
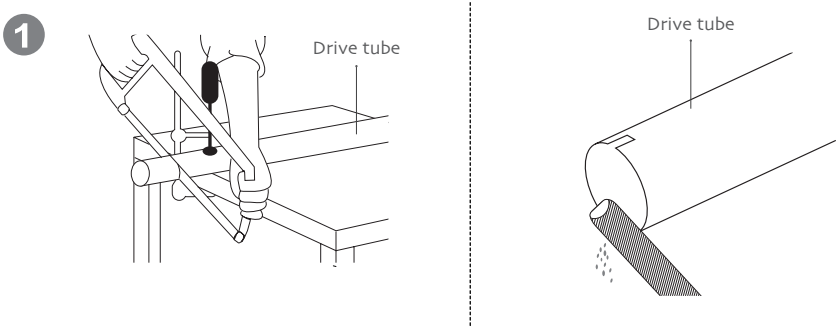


Parameter (More models and parameters are subject to the nameplate)

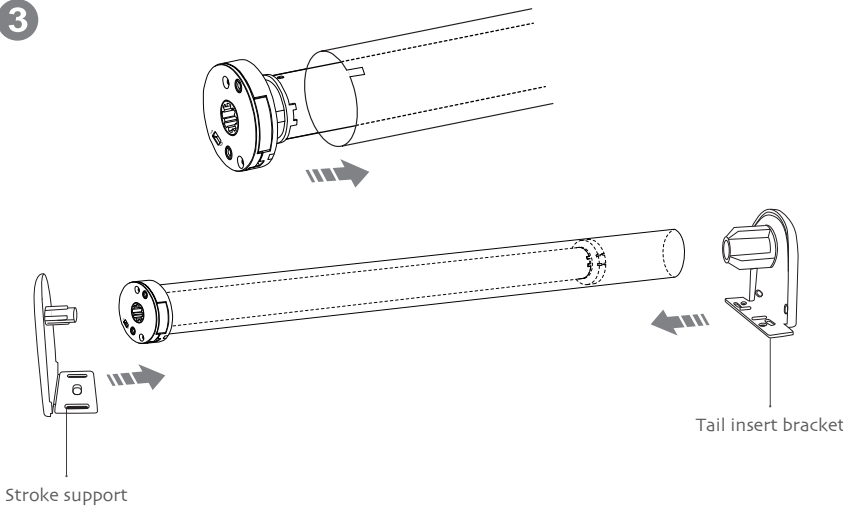
Type	DM28LEU/S
Rated Torque(N.m)	2.0N.m
Rated Speed(RPM)	28RPM
The Input Voltage(V)	USB 5V 2A
Rated Power(W)	15W
Emission Frequency(MHz)	433.92MHz

Motor installation

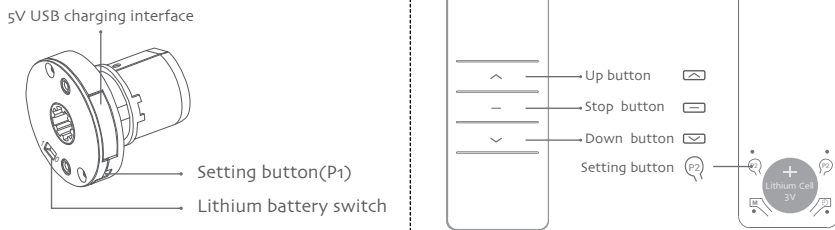
- ①Driving tube must be close-fitting with crown and drive adapter.
- ②Choose crown and drive adapter based on the driving tube.



3



Button specification



Note: dial lithium battery switch, 0 is off switch, 1 is turn on switch.

Operation note

⚠ Please read following points of attention carefully before setting.

1. Before the first use, please charge, to ensure full power after the use of(The motor uses a 5V USB charger to charge).
- ①Motor stop running when the supply voltage is lower than 8.0V,and it will restart again when the voltage is greater than 8.5V
- ②When the power voltage is lower than 7.0 V, the motor stops and the buzzer chirps. When the voltage is greater than 7.5v, it can be started again.
- ③When the voltage is lower than 10V, when the motor is running continuously, the alarm will be made and the buzzer will be called 10 times.
- ④When the power voltage is lower than 10.5 V, low voltage prompt, red light interval 1s frequency flash, total 10 times.
- ⑤During the charging process, the green light flashes between 1S and 1S, and the green light is always on after the battery voltage is greater than 12.4V, and the charging is completed.
2. Don't operate motors when low voltage alarm
3. Operating:
- ①The valid interval of the emitter button is 10s,the emitter will quit the set after 10s.
- ②The motor will run or beep for hint,please do the next step after the hint.
4. Set the limit position:
- ①After the upper/lower limit setting,and the upper/lower limit position can't at the same position.
- ②After the limit setting,with power off and memory function.
- ③Into the match-code status 2 minutes later,it will quit out the setting limits status automatically.
- ④Restore factory settings to clear all settings.
5. When the motor running without any operation, the maximum running time is 6 minutes,it will stop automatically.
6. If the emitter lost,please setting up again with the new emitter.

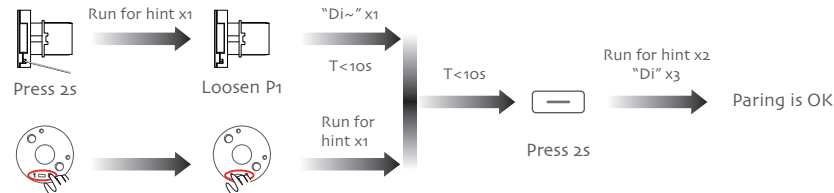


Factory mode

1 Paring

Stop

If you need to reverse the rotateon of the motor controlled by the emitter,pls switch channel address.



Power off to 0

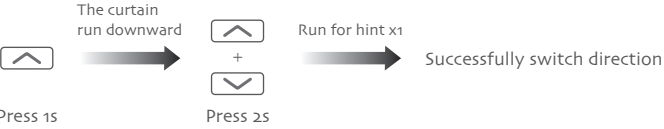
Power on to 1

Note: In the user mode, power on the code can also operate;If 10s,no stay setting up emitter press or no legal stop button code,10s to the limit,will automatically exit the setting up mode.

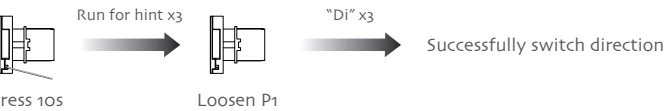
2 Switch rotating direction(optional)

Up→Up+Down

Method one



Method two



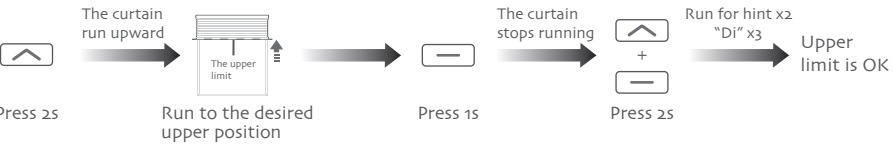
Note: After the success of the reversing,retain all motor original settings.

3 Setting upper and lower limit

During the limit setting mode, press UP/DOWN once, the motor will jog running, if you press UP/DOWN 2S, the motor will run continuously.

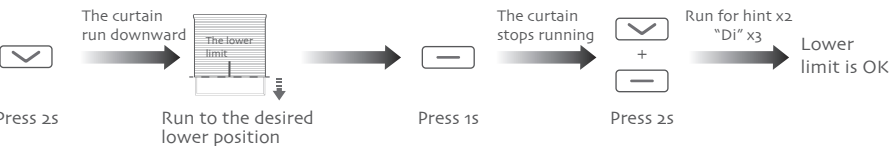
3.1, Setting the upper limit

Up→Stop→Up+Stop



3.2, Setting the lower limit

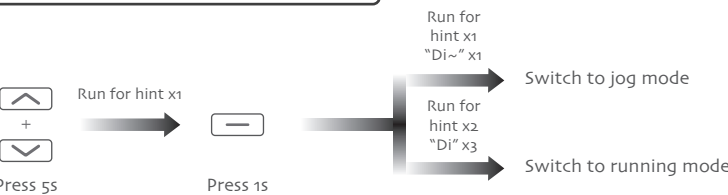
Down→Stop→Stop+Down



User mode

1 Jog mode & running mode switch

Up+Down→Stop



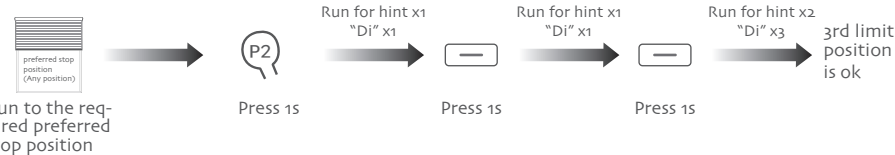
Note: when under jog mode, press up/down button once, the motor will be jog running, if press more than 2S, the motor will be continuously running.

2 3rd preferred stop position setting

2.1, Set the 3rd limit position

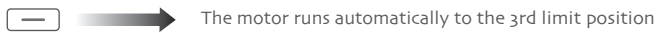
P2→Stop→Stop

The 3rd limit position setting : If you have already set the upper and lower limit, then you can set the 3rd limit between upper and lower limit.



2.2, Run to the 3rd limit position

Stop



Press 2S

2.3, Clear the 3rd limit position

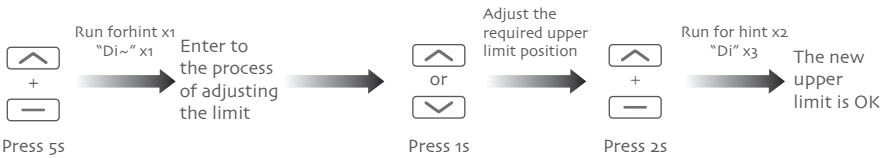
P2→Stop→Stop



3 Adjust limits

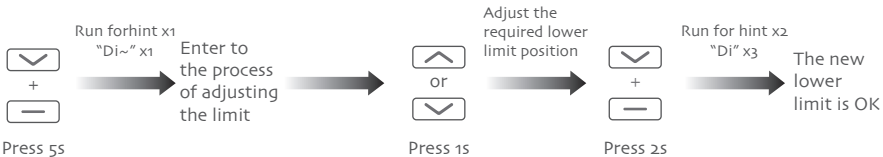
3.1, Adjusting the upper limit position

Up+Stop→Up/Down→Up+Stop



3.2, Adjusting the lower limit position

Down+Stop→Up/Down→Down+Stop



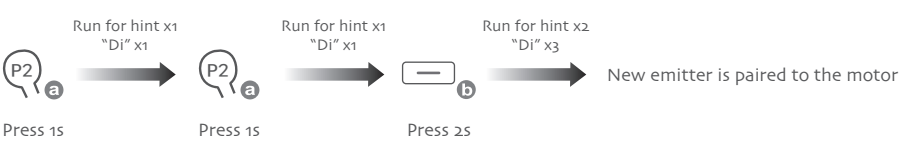
Note: After entering the limit fine-tuning mode, the original 3rd limit position will not be deleted;If there is no button operation in 2 minutes, 2 minutes time limit, motor chance to rotate the hint, and automatically exit the limit fine-tuning mode;After fine-tuning the up/down limits can not be in the same position.

4 Pair additional emitter

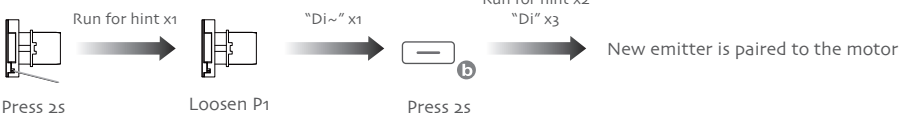
Method one P2 a→P2 a→P2 b



Method two P2 a→P2 a→Stop b



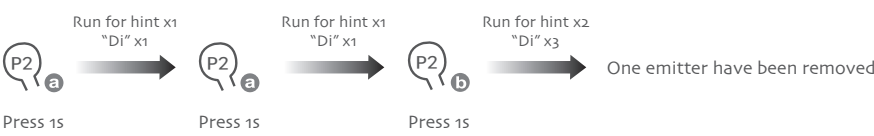
Method three Stop b



Note: Emitter a is the paired emitter for master motor, b is unpairing emitter; After the emitter is added, keep all the original settings of the motor.

5 Remove one emitter

Method one P2 a→P2 a→P2 b



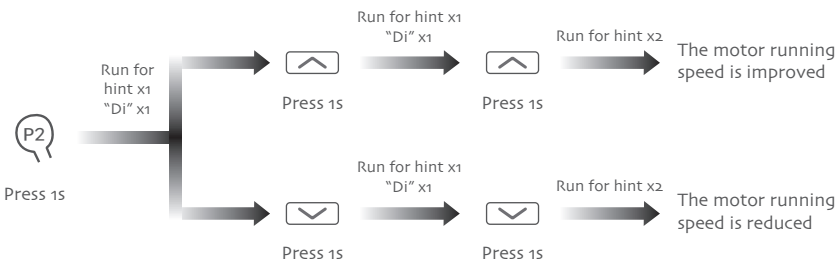
Method two Stop b



Note: a b are all of the code emitters,this method only can delete the emitter b not the emitter a;After deleting the emitter, keep all the settings of the motor (the limit is reserved for the previous setting).

6 Speed Regulation

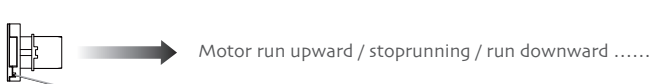
P2→Up/Down→Up/Down



Note: If the motor no response, it has already been the Max. or Min speed; The continuous motor speed has 3 grades, 20r/min, 24r/min, 28r/min, and the factory default is the fastest speed.

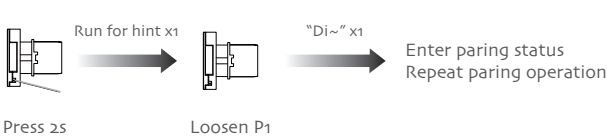
Motor P1 button operation

1, Short press function



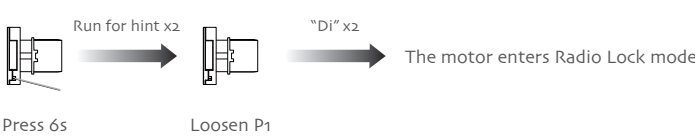
Note: This operation should be carried out under the conditions of motor has the limit.

2, Paring / Pair additional emitter / Remove one emitter



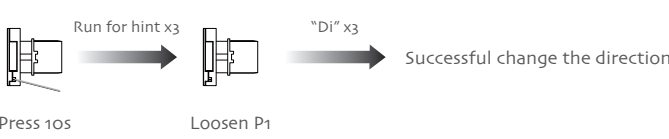
Note: in the factory mode, enter paring status; In the user mode, enter pair additional emitter or remove one emitter.

3, Radio lock mode



Note: When the motor enters the radio lock mode, all the setting memory will be saved, only the radio receiving function has been disabled.

4, Switch direction



Note: After the success of the reversing,retain all motor original settings.

5, Restore factory setting



Note:After the Reset to factor mode,will delete all previous system function setting and the emitter code.

Fault and solution

NUMBER	ISSUE	POSSIBLE CAUSES	SOLUTION
1	The motor doesn't run	a, The battery is not activated. b, The emitter hasn't been paired; c, If press P1 button for long time, the motor no reaction, probably the board is short circuit, or the motor is broken.	a, Activate the motor afterfully charged b, Paring again; c, Contact after sales service for more details

Tubular Motor-DM28LEU/S Specification



(A-02)

FCC Warning

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.

NOTE 1: 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.

NOTE 2: Any 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.