

# Smart Silent DC 1nm Motor with Built In Battery

## (For Wall Mount Remote) Programming with Multiple Limit

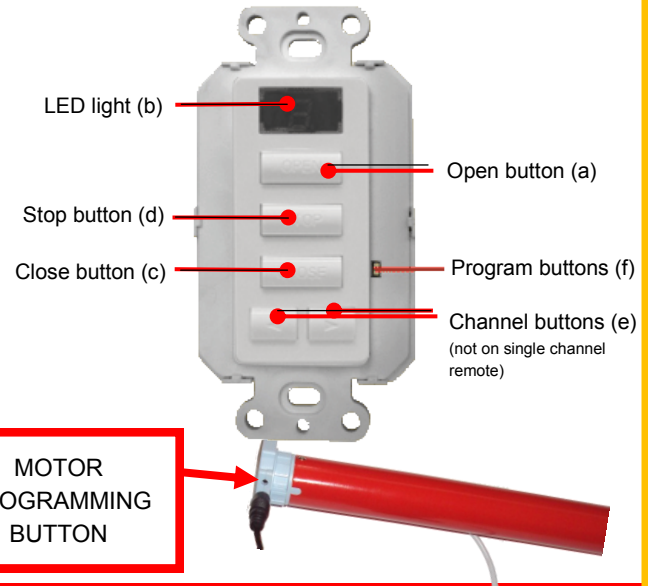
**IMPORTANT:** Read through all instructions **BEFORE** beginning programming.



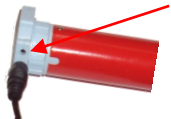
### Main Features

- Motor is programmable with a remote control
- Manual Mode and Continuous Mode Operation
- Maximum six different limit positions, including UP / DOWN limit position, another 4 middle limit positions are optional
- Surge protected
- Compatible with all transmitters
- Set limit positions are auto-corrected
- Original limit positions and functions remain even with power outage

You can operate the motor in two modes, Manual or Continuous. When set in Manual Mode the motor will STOP when you let go of the UP or DOWN button. When set in Continuous Mode each time the UP or DOWN button is hit the motor will STOP at each set limit. Instructions on setting and changing the modes is explained in Step D.



### A. Program Preparation



1. Press the Motor Program Button, the motor will jog

### MOTOR IS NOW READY FOR PROGRAMMING

You must set your Open and Close LIMITS next. Do not wait more than 10 seconds after program preparation to do the next step. If you wait longer than 10 seconds you will have to do the program preparation again. Below are the instructions on setting the limits, if you have difficulty getting the exact limits set you can later fine tune them with Step D.

### B. Program Up Limit (this is an approximate UP LIMIT, you can later fine tune the limits with Step D.)



3.

Push the **Open** button, the motor will jog



4.

On the back of the remote push the Program button, the motor will jog



5.

Push the **Open** button, motor will run up



6.

When you have reached your approximate UP LIMIT push the **Stop** button to stop the motor



7.

Use the **Open** or **Close** buttons to adjust limit if necessary. Remember you can fine tune the limit later if necessary



8.

Push Program button, the motor will jog

**CONTINUE TO STEP 9**

### C. Program Down Limit (this is an approximate DOWN LIMIT, you can later fine tune the limits with Step D.)



9.

Push the **Close** button, motor will move downwards



10.

When you have reached your approximate DOWN LIMIT push the **Stop** button to stop the motor



11.

Use the **Open** or **Close** buttons to adjust limit if necessary. Remember you can fine tune the limit later if necessary

12.

On the back of the remote push the Program button, the motor will jog. Push the Program button **AGAIN**, motor will jog **AGAIN**

If you choose to leave the upper and the lower limits exactly where you just placed them and do not want intermediate limits, programming is complete. If you want to fine tune the upper and lower limits or add additional limits in-between the upper and the lower limits, continue to Step D.

### D. Manual Mode is used to fine tune the Open and Close limits OR it is used to operate the motor by simply releasing the Open and Close buttons at any point to stop the motor.

**IMPORTANT NOTE:** When in Manual Mode if you hold the UP or DOWN button for more than 1.5 seconds the motor will run continuously until you press the STOP button.

### Set Motor into Manual Mode (use Manual Mode to fine tune Open and Close limits)

1. Push the Motor Programming Button, motor will jog
  2. Now push the Stop button and the motor will jog. You are now in Manual Mode
- You now can remain in Manual Mode for operation or set the intermediate limits in Manual Mode and change motor back to Continuous Mode for operation.

### Adjust and Fine Tune the Open and Close Limits

1. Start with the motor in the LIMIT you want to adjust or fine tune
2. On the back of the remote push the Program button, the motor will jog
3. Adjust the limit by pressing and HOLDING the Up and Down button, release the Open or Close button when desired limit is reached and the motor will stop. On the back of the remote push the Program button, the motor will jog

**STOP HERE IF YOU HAVE CHOSEN TO REMAIN IN MANUAL MODE WITHOUT INTERMEDIATE LIMITS.**

## Set Motor Back Into Continuous Mode without Intermediate Limits

1. Push the Motor Programming Button, motor will jog
2. Now push the Stop button and the motor will jog. You are now in Continuous Mode
3. You are now back into Continuous Mode operation.

## Setting Intermediate Limits

1. Start with the motor in the Open LIMIT
2. Push and hold the Close button the motor will run down until you have reached your desired intermediate limit
3. When you have reached your desired intermediate limit release the Close button to stop the motor.
4. On the back of the remote push the Program button, the motor will jog.
5. Push the Program button AGAIN, motor will jog AGAIN

This process can be repeated for each intermediate limit you would like to set, with a maximum of 4 intermediate limits. After intermediate limits are set, when the motor is in the full up position and the down button is pushed on the remote control, the motor will stop at the first set intermediate limit.

Every Close button push will lower the shade to the next set intermediate limit until the full down limit is reached.

If the Close button is pushed two times with 1 second in between button pushes, the intermediate limits will be bypassed and the shade will run to the full



## Adjust and Fine Tune the Intermediate Limits

1. Start with the motor in the LIMIT you want to adjust or fine tune
2. On the back of the remote push the Program button, the motor will jog
3. Adjust the limit by pressing and HOLDING the Up and Down button, release the Open or Close button when desired limit is reached and the motor will stop
4. On the back of the remote push the Program button, the motor will jog
5. Push the Motor Programming Button, motor will jog
6. Now push the Stop button and the motor will jog. You are now in Continuous Mode
7. You have now set the Intermediate Limits and are back into Continuous Mode operation.




## Delete an Intermediate Limit

1. Run motor to the limit to be deleted
2. On the back of the remote push and HOLD the Program button, the motor will jog within one second.
3. Continue HOLDING the Program button for another seven seconds, the motor will jog again.




## Change Motor Direction (you only need to do this step if your motor is mounted on the right side)

1.  Press the Motor Programming Button, motor will jog
2.  Push the **Close** button and the motor will jog




## Delete All Programs From Motor

1.  Press the Motor Programming Button, motor will jog
2.  Push and hold Program button for 7 seconds, after 1 second motor will jog
3.  Continue holding the Program Button on the Remote for 6 more seconds, motor will jog **2** times

## Adding a Remote Control

1.  Press the Motor Programming Button, motor will jog
2.  Using remote control to be added, select channel to be programmed
3.  Push the **Open** button, motor will jog

## Delete Channel on Remote From Motor (use remote that is to be erased)

1.  Put remote on channel to be erased
2.  Press the Motor Programming Button, motor will jog
3.  Push the Program button, motor will jog

## Program Preparation Method 2 (this method is helpful when Motor Programming Button can not be reached)

1. Once the remote is already programmed using the original Program Preparation you can use this method to edit the programming.
2. Press the Stop button on the programmed remote for 5 seconds, the motor will jog, you are now in programming mode. Please note that the same applies as original Program Preparation, you must continue with the programming within 10 seconds or you will have to redo the Program Preparation.

**\*IMPORTANT:** Warranties do not cover any damage to MaestroShield® products that result from improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, lightning or any unauthorized disassembly, repair or modification. Warranties do not apply to any product on which the original identification information has been altered, obliterated or removed, has not been handled or packaged correctly, has been sold second hand or has been sold contrary to the United States export regulations without consent from MaestroShield®. 05-2012