

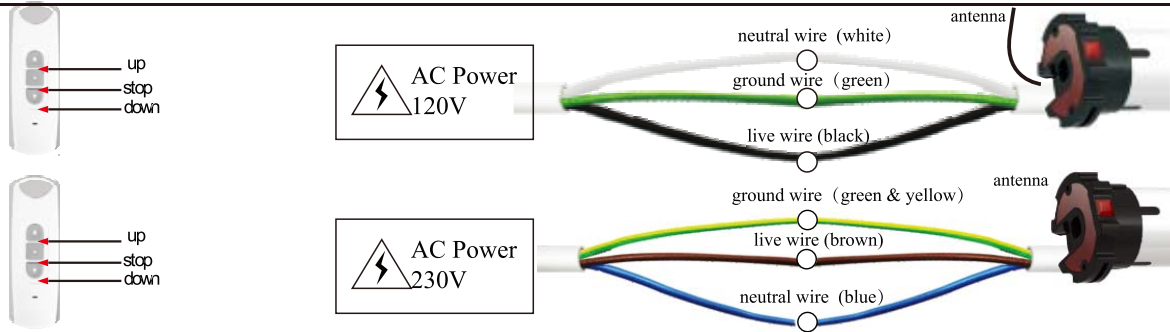
This instruction applies to WSER50 obstacle detection motor (series number WSER50 OD). The motor is for Zip Screen application and similar.

1 Technical Specifications

Power AC 120V/60Hz or AC 230V/50Hz
 Protection Index: IP 44
 Rated Power: Max 280W

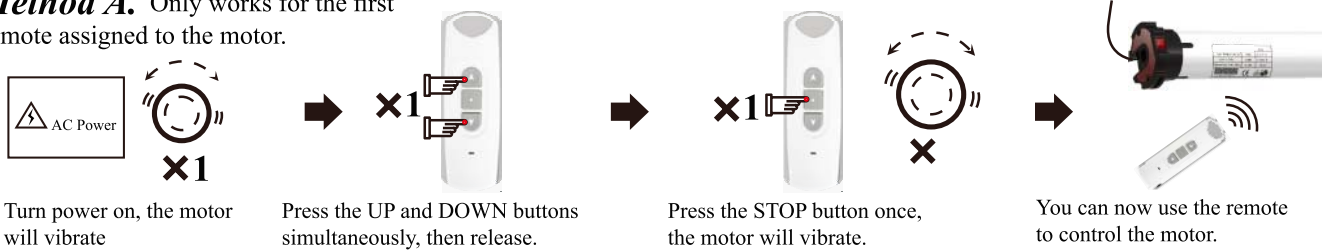
Up to 15 remotes (or channels) may be assigned to each motor
 Thermal protection will engage after 4 minutes of continuous running

2 Wire Connections

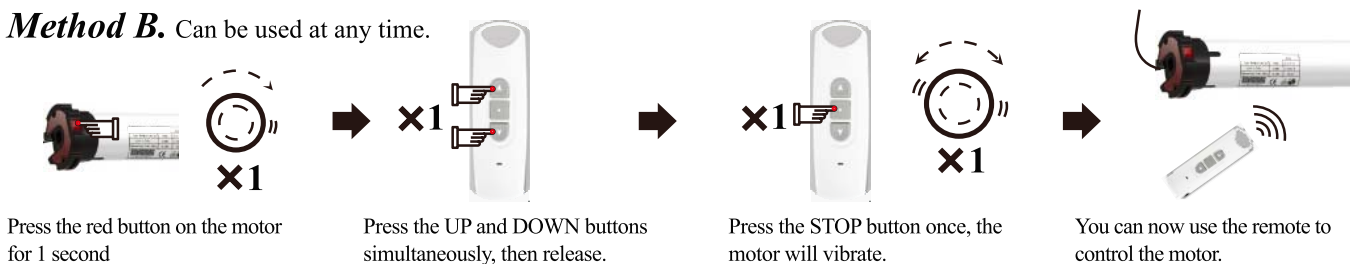


3 Assigning a remote to a motor (You have 10 seconds to complete the task)

Method A. Only works for the first remote assigned to the motor.

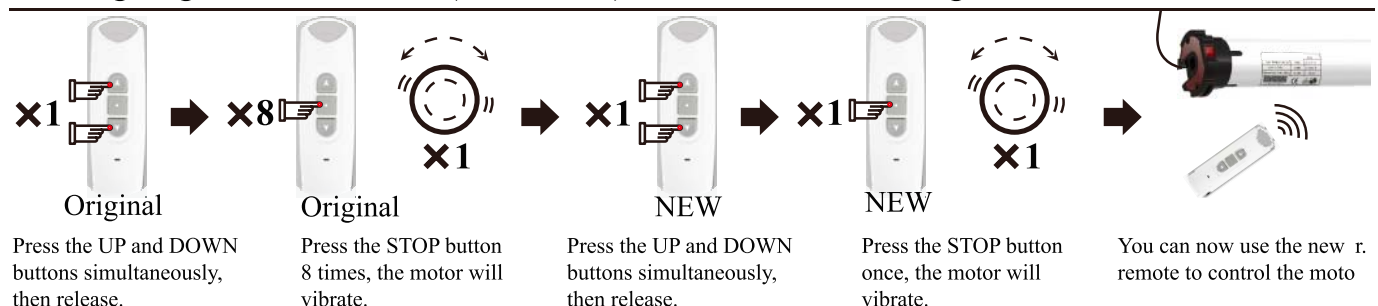


Method B. Can be used at any time.



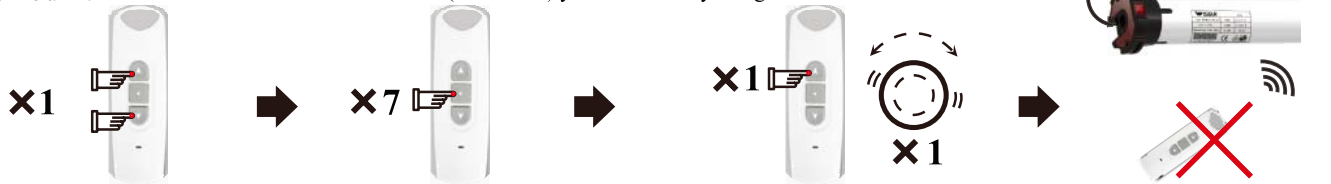
Method A. can only be used again if you cut and restore power to the motor 3 times. You must allow 5 seconds before restoring power each time and you must allow the motor to vibrate properly each time. After the third cycle, you may assign the remote.

4 Assigning an extra remote (or channel) to a motor via the original remote



5 Deleting a remote (or channel) from a motor (You have 10 seconds to complete the task)

Method A. This will delete the individual remote (or channel) you are currently using



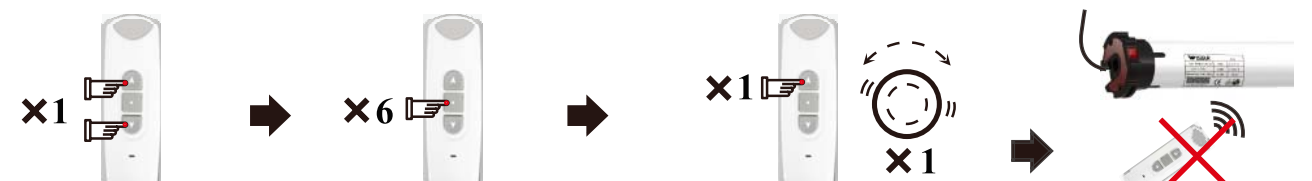
×1 Press the UP and DOWN buttons simultaneously, then release.

×7 Press the STOP button 7 times.

×1 Press the UP button once, the motor will vibrate

This remote (or channel) has now been deleted from the motor.

Method B. **WARNING:** This will delete ALL remotes assigned to the motor



×1 Press the UP and DOWN buttons simultaneously, then release.


×6 Press the stop button 6 times.

×1 Press the UP button once, the motor will vibrate

All remotes have been deleted from the motor

6 Changing the motor's direction (You have 10 seconds to complete the task)


Method A



Hold the red button on the motor down for 3 seconds, The motor will vibrate.

The UP and Down directions of the motor have been reversed.

Method B



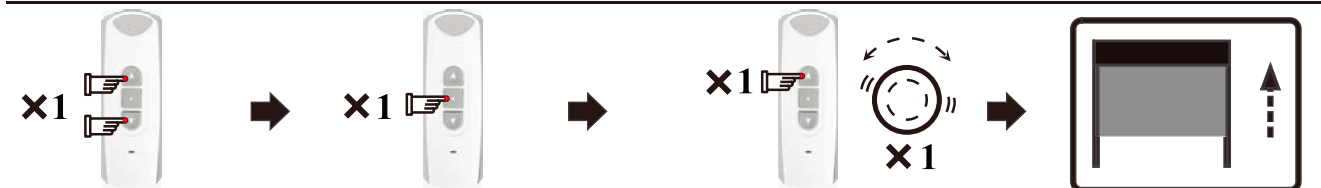
×1 Press the UP and DOWN buttons simultaneously, then release.

×6 Press the STOP button 6 times.

×1 Press the DOWN button once, the motor will vibrate.

The UP and DOWN directions of the motor have been reversed.

7 Turn on "step by step" mode (motor moves a few millimeters at a time unless button held down for 3 secs)



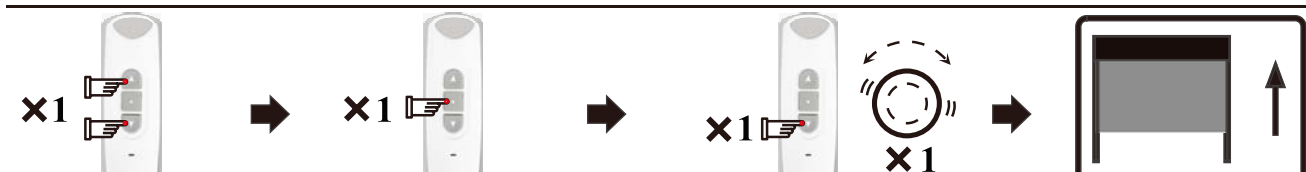
×1 Press the UP and DOWN buttons simultaneously, then release.

×1 Press the STOP button once.

×1 Press the UP button once, the motor will vibrate.

The motor is now in "step by step" mode.

8 Turn off "step by step" mode (motor will run up and down as normal)



×1 Press the UP and DOWN buttons simultaneously, then release.

×1 Press the STOP button once.

×1 Press the DOWN button once, the motor will vibrate.

The motor will now run normally.

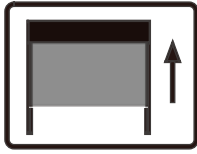
9 Limit Setting

A. Automatic limit Setting (only works if motor's TOP and BOTTOM limits are not set)

(Make sure that screen moves downward when you press emitter's DOWN button. If not, follow step 6.)

Setting the TOP limit

Control the screen to move upward, it will set the TOP limit automatically after it meets the resistance one time.



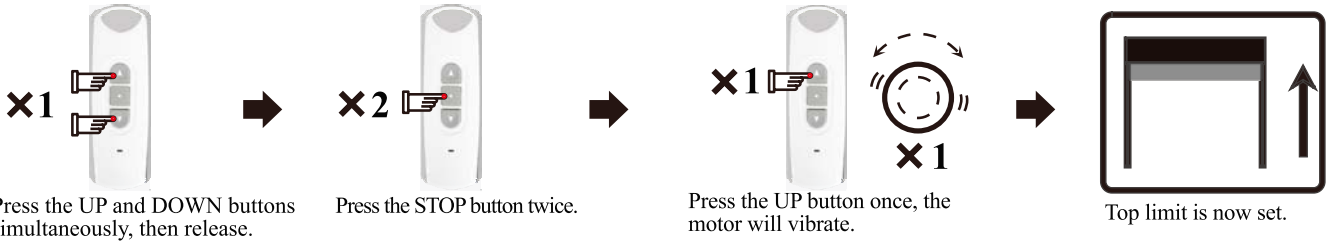
Setting the BOTTOM limit

Control the screen to move downward, it will set the limit automatically when it meets the resistance three times in the bottom position.



B.Limit setting by remote

Setting the TOP limit (You have 10 seconds to complete the task)



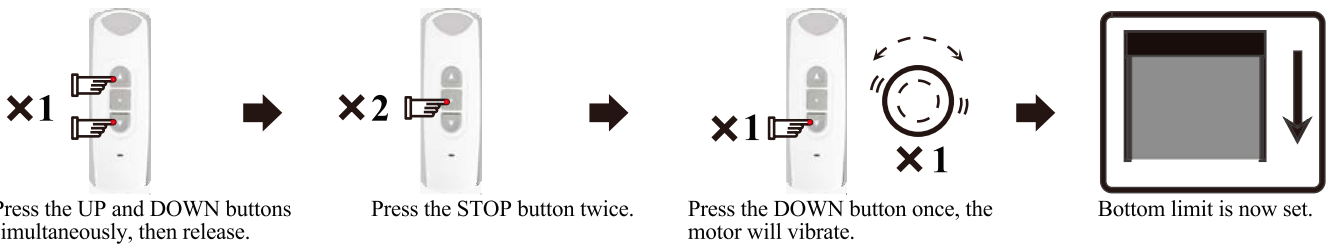
×1 Press the UP and DOWN buttons simultaneously, then release.

×2 Press the STOP button twice.

×1 Press the UP button once, the motor will vibrate.

Top limit is now set.

Setting the BOTTOM limit (You have 10 seconds to complete the task)



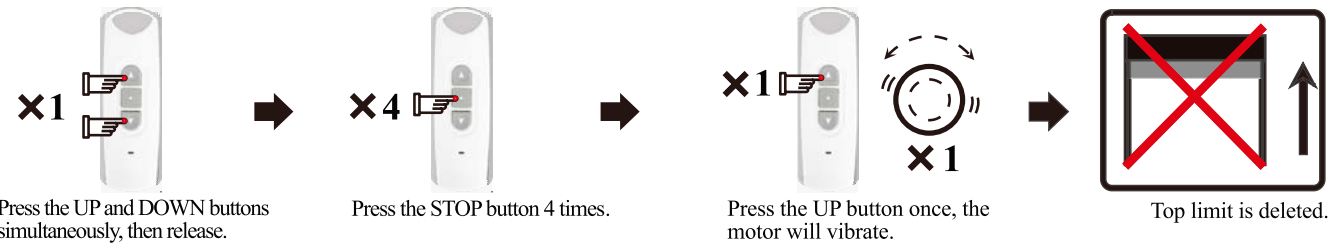
×1 Press the UP and DOWN buttons simultaneously, then release.

×2 Press the STOP button twice.

×1 Press the DOWN button once, the motor will vibrate.

Bottom limit is now set.

10 Deleting the Top limit (You have 10 seconds to complete the task)



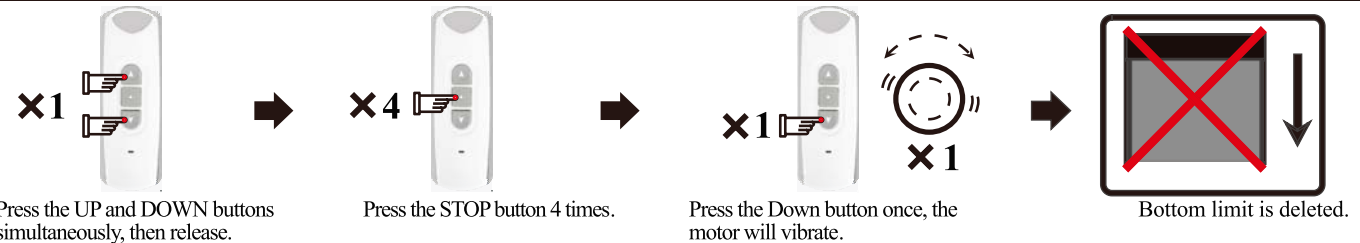
×1 Press the UP and DOWN buttons simultaneously, then release.

×4 Press the STOP button 4 times.

×1 Press the UP button once, the motor will vibrate.

Top limit is deleted.

11 Deleting the Bottom limit (You have 10 seconds to complete the task)



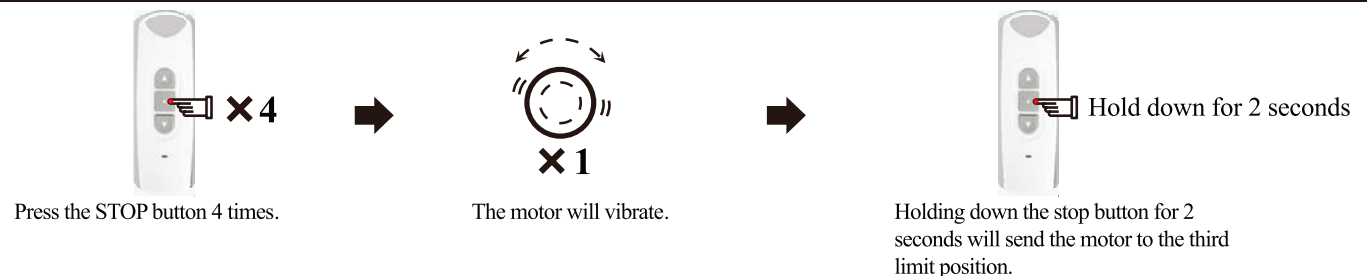
×1 Press the UP and DOWN buttons simultaneously, then release.

×4 Press the STOP button 4 times.

×1 Press the Down button once, the motor will vibrate.

Bottom limit is deleted.

12 Setting the third limit (Mid way position, somewhere between top and bottom limits)

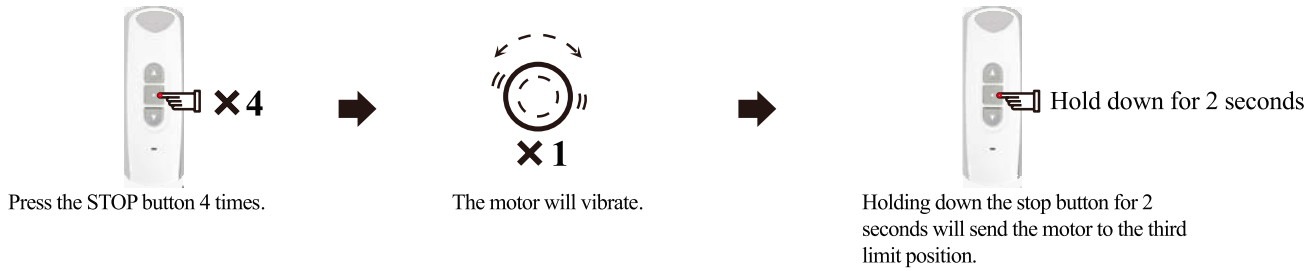


×4 Press the STOP button 4 times.

×1 The motor will vibrate.

Hold down for 2 seconds
Holding down the stop button for 2 seconds will send the motor to the third limit position.

Changing the third limit



NOTE: The third limit will be deleted automatically if either the top or bottom limits are deleted.

13 Obstacle Detection Function (shorten as OD function)

Motor's obstacle detection function is only available after motor's TOP and BOTTOM limits are set, but not available from BOTTOM limit up to 10cm in order to make sure screen can be fully closed. It's not workable if the motor is set at "step by step" mode.

The OD function is turned on by default. You can use assigned remote to switch OD function between on and off.

Turn off OD function

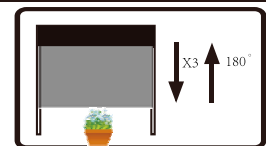


Turn on OD function

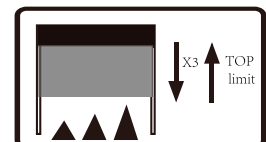


OD function application (Make sure TOP and Bottom limits are set. Remote's DOWN button moves screen downward.)

A. During motor running downward, every time it detects obstacle, the motor will stop running down but run upward for 180 degrees, then run downward again. If it detects obstacles three times at the same position (position difference less than 6cm), the motor will run upward for 180 degrees and stop running.



B. During motor running downward, every time it detects obstacle, the motor will stop running down but run upward for 180 degrees, then run downward again. If it detects obstacles three times at different positions (position difference bigger than 6cm), the motor will run upward to TOP limit.



Handy Tips

1. The RE101 remote has been used as an example here in diagrams. All remotes are compatible with these motors. If you are using a multi-channel remote, make certain that it is on the correct channel before you assign it to a motor. This is a common mistake.
2. Strong local RF levels from other equipment may affect some setup functions. If a step fails, simply repeat the process.