WSER Shutter / Blinds Motors

A Wire Connection

up
stop
down

AC Power

ground wire
yellow&green
antenna
live wire
brown
neutral wire
blue

up/stop neutral wire down/stop
A   B
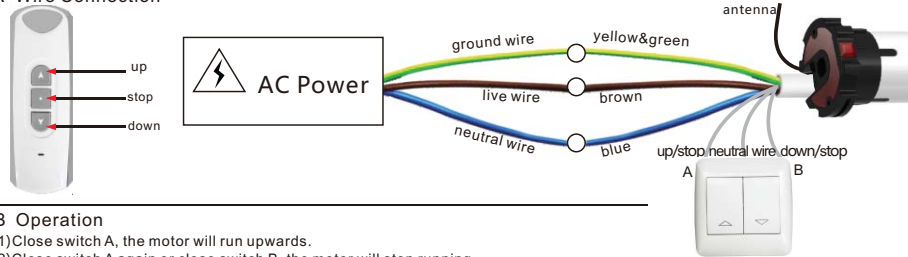
B Operation
1) Close switch A, the motor will run upwards.
2) Close switch A again or close switch B, the motor will stop running.
3) Close switch B, the motor will run downwards.

Note: Single-control switch is only compatible with 5-core wires ER tubular motor, dual-control switch is only compatible with 6-core wires ER tubular motor.

⚠ Announcement

1. The RE101 remote has been used as an example here in diagrams. All Alpha remotes are compatible with these motors.
2. Strong local RF levels from other equipment may affect some setup functions. If a step fails, simply repeat the process.
3. Be careful not to speed through the setup process until you are 100% sure of what you are doing.
4. These motors and accessories are not toys, do not allow children to play with them.
5. Ambient operating temperature is: -10 C - +55 C
6. All Alpha products may be subject to change without notice.

Handy Tips

1. Always roll the blind down and up before setting the top limit. Failure to do so may result in a change of limit position due to a change in blind tension. Simply setting the bottom limit first will prevent this happening.

2. When pressing up and down simultaniously during setup, be as precise as possible. Ideally it should sound like one button click when both are pressed.

3. If you catch yourself making an error during a setup process, stop and allow 10 seconds for the motor to time out, then try again.

4. Do not hold any buttons down during setup process unless specifically told to do so. A half second press should be plenty and allow 1 second between presses.

5. 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.

6. If obstacle detection is turned off, then this motor is an excellent option for all external Roller blinds, Awnings and Shutters, except Cassette Awnings.
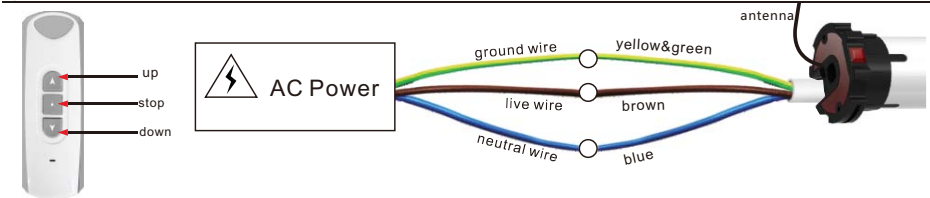Do not engage obstacle detection, except on Roller shutters.

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❶ Technical Specifications

Power AC 240v/50Hz
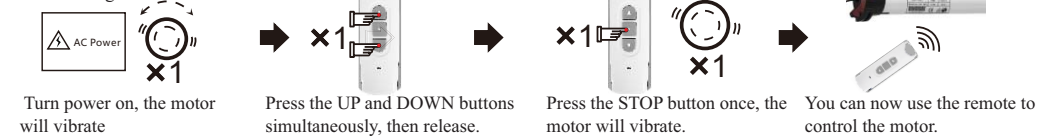Protection Index: IP 44
Loaded Power 400w

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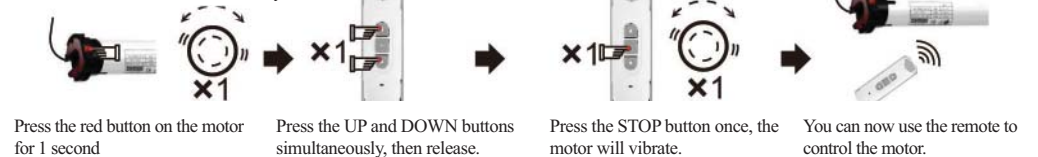
❷ Wire Connections

up
stop
down

AC Power

ground wire
yellow&green
antenna
live wire
brown
neutral wire
blue

❸ 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.

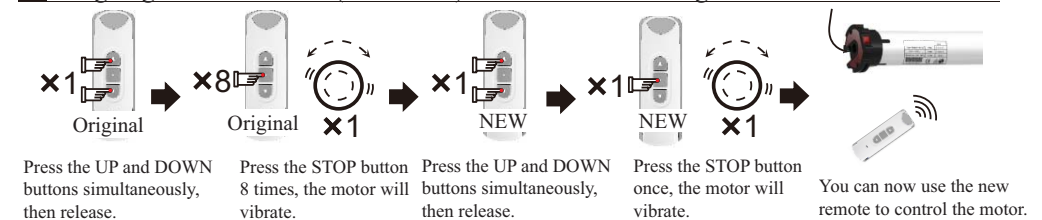Turn power on, the motor will vibrate | Press the UP and DOWN buttons simultaneously, then release. | Press the STOP button once, the motor will vibrate. | You can now use the remote to control the motor.

Method B. Can be used at any time.

Press the red button on the motor for 1 second | Press the UP and DOWN buttons simultaneously, then release. | Press the STOP button once, the motor will vibrate. | You can now use the remote to control the motor.
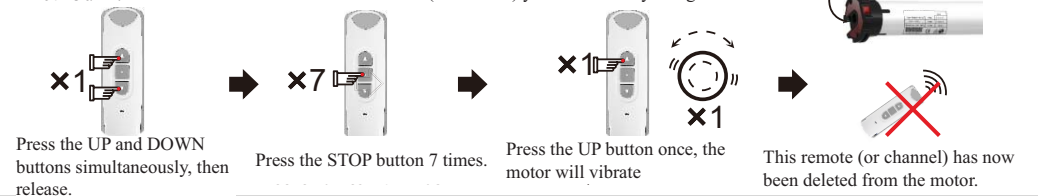
Method A. can only be used again if you cut and restore power to the motor 3 times. You must allow 5 seconds before restoring power each time and you must allow the motor to vibrate properly each time. After the third cycle, you may assign the remote.

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

Original   Original   NEW   NEW

Press the UP and DOWN buttons simultaneously, then release. | Press the STOP button 8 times, the motor will vibrate. | Press the UP and DOWN buttons simultaneously, then release. | Press the STOP button once, the motor will vibrate. | You can now use the new remote to control the motor.
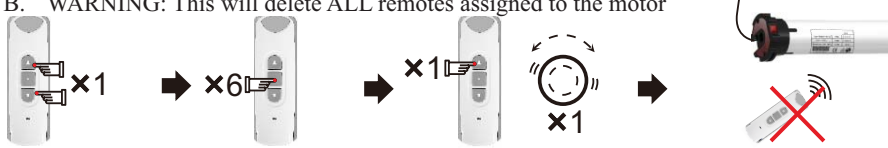
❺ Deleting a remote (or channel) from a motor (You have 10 seconds to complete the task)

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

Press the UP and DOWN buttons simultaneously, then release. | Press the STOP button 7 times. | 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

Press the UP and DOWN buttons simultaneously, then release.   Press the stop button 6 times.   Press the UP button once, the motor will vibrate   All remotes have been deleted from the motor

❻ 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

Press the UP and DOWN buttons simultaneously, then release.   Press the STOP button 6 times.   Press the DOWN button once, the motor will vibrate.   The UP and DOWN directions of the motor have been reversed.

❼ Turn on "step by step" mode (motor moves a few milimeters at a time unless button held down for 3 secs)
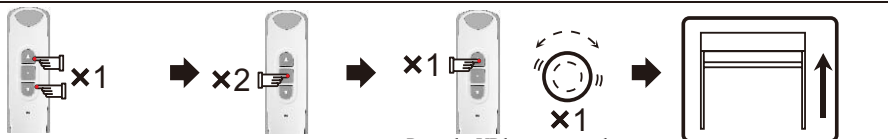
Press the UP and DOWN buttons simultaneously, then release.   Press the STOP button once.   Press the UP button once, the motor will vibrate   The motor is now in "step by step" mode.

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

Press the UP and DOWN buttons simultaneously, then release.   Press the STOP button once.   Press the DOWN button once, the motor will vibrate   The motor will now run normally

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

Press the UP and DOWN buttons simultaneously, then release.   Press the STOP button twice.   Press the UP button once, the motor will vibrate   Top limit is now set.
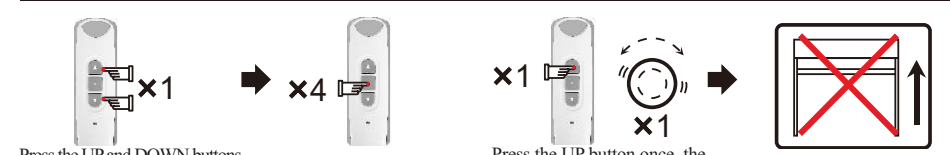
❿ Setting the BOTTOM limit (You have 10 seconds to complete the task)

Press the UP and DOWN buttons simultaneously, then release.   Press the STOP button twice.   Press the DOWN button once, the motor will vibrate   Bottom limit is now set.

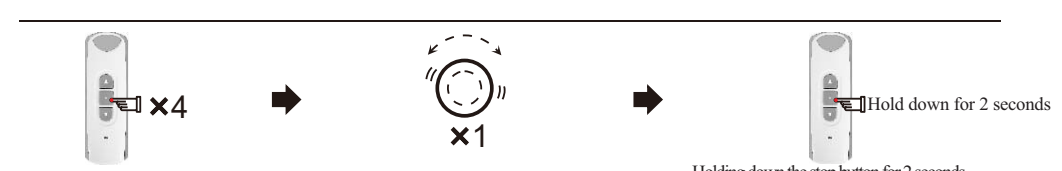**⓫ Deleting the Top limit (You have 10 seconds to complete the task)**

Press the UP and DOWN buttons simultaneously, then release.   Press the STOP button 4 times   Press the UP button once, the motor will vibrate   Top limit is deleted

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

Press the UP and DOWN buttons simultaneously, then release.   Press the STOP button 4 times   Press the Down button once, the motor will vibrate   Bottom limit is deleted

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

Press the STOP button 4 times   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.

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

⓮ Obstacle detection (these settings only affect Downward detection, Upwards is always on)

Turning Downward obstacle detection on. Stops the shutter if an object is detected (**READ NOTE AT BOTTOM OF PAGE**)

Press the UP and DOWN buttons simultaneously, then release.   Press the STOP button 3 times   Press the UP button once, the motor will vibrate

Turning Downward obstacle detection off.   (This is the default setting, do not turn it on unless installed in roller shutters)

Press the UP and DOWN buttons simultaneously, then release.   Press the STOP button 3 times   Press the Down button once, the motor will vibrate

NOTE: Obstacle detection is not a foolproof system and it's reliability depends on many factors including the size, weight and drag of the shutter system. On very small shutters it may be too sensitive causing false detections. On large shutters it may not be sensitive enough to react. If you wish to use this function, please test it's reliability before leaving the job. Failure to detect, or over-sensitivity are not generally faults of the motor, but are a result of the amount of drag on the shutter respective to its size and weight as it rolls down.