Non-compliance with the following instructions can not only present risk to life and health, but also affect the correct operation of the entire roller shutter. It is recommended to abide by the instructions. Tubular motors are compatible with all YOODA SMART HOME devices.

R/S motors are motors with two-way communication.

1. Technical data

35R/S tubular motor

R/S motors are motors with two-way communication and a radio receiver. They are meant for automating internal blinds, roller shutters or awnings. Mechanical limit switches enable for the motor to stop in a fixed position of the blind.
Motors are compatible with all YOODA SMART HOME devices.

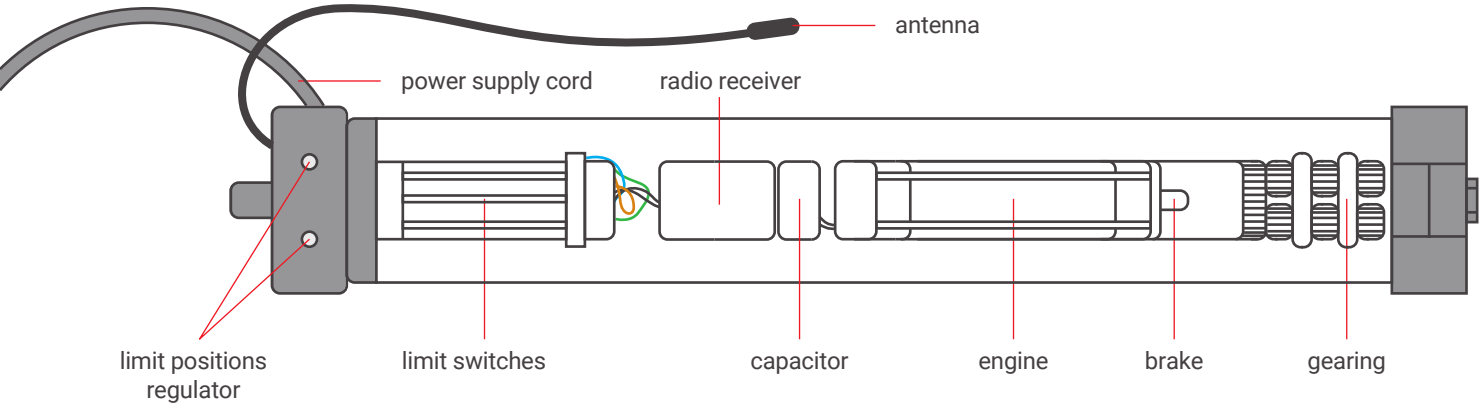
Radio receiver memory:
up to 10 transmitters

Maximal time of uninterrupted work:
4 min.

Power supply:
230 V / 50 Hz

Working temperature:
from -5°C to 50°C

Safety degree:
IP 44



Maximal work time of the motor is about 4 minutes. After that time thermal protection will turn on, which will cause the disconnection of the engine protecting it from overheating. You must wait for about 20 minutes after thermal switch has turned on, so that the motor comes back to the normal operating mode.

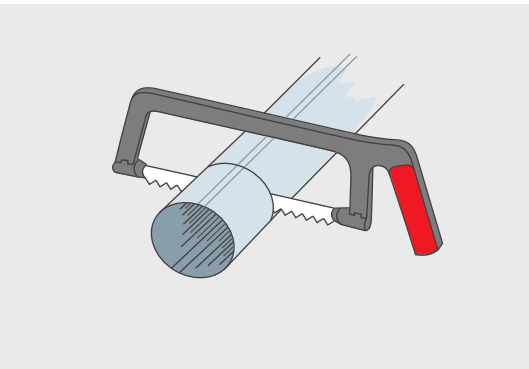
2. Safety

Before starting assembling and using the device it is necessary to read the following instruction. The installer must abide by the standards and the regulations effective in the country, where the device will be mounted and inform users on the conditions of use and maintenance of the device. Non-compliance with the following instructions can not only present risk to life and health, but also affect the correct operation of the entire roller shutter. This also results in the loss of warranty rights.

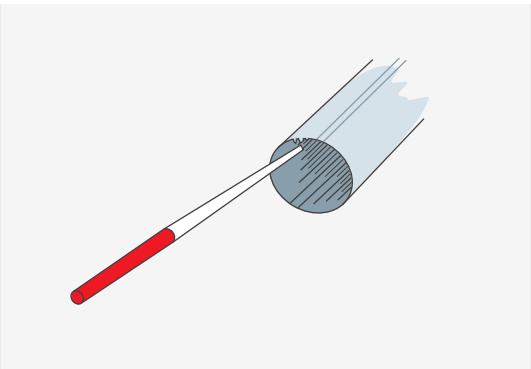
- Torque should be suitable to the weight of the armour.
- Wires of the motor should be mounted in a way to prevent condensed water from getting inside and so that a working roller blind does not damage them.
- Check regularly the signs of wear of components responsible for correct motor operation.
- Turn off mains power before performing any activity connected with installation or maintenance.
- Keep contact of the motor with liquids to a minimum.
- Do not use tools while placing the motor in a roller tube.
- Be careful not to damage the motor during assembly of a driver.
- Keep an eye on children, so that they do not play with the motor and its control system. Mobile transmitters should be kept away from them.

3. Motor assembly in a roller tube

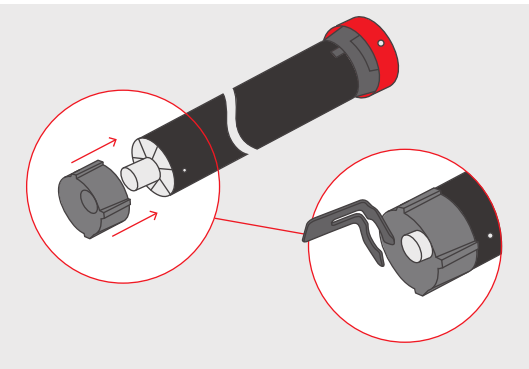
Motor should be mounted in places protected against adverse weather conditions.



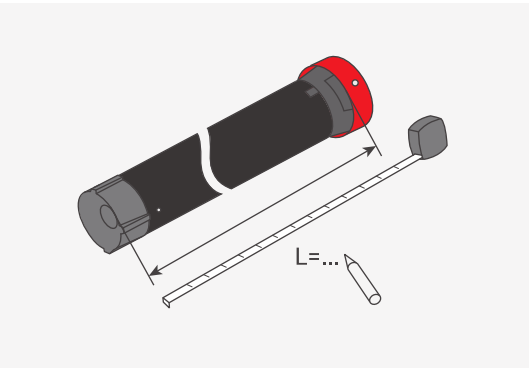
1. Cut the roller tube to a suitable size.



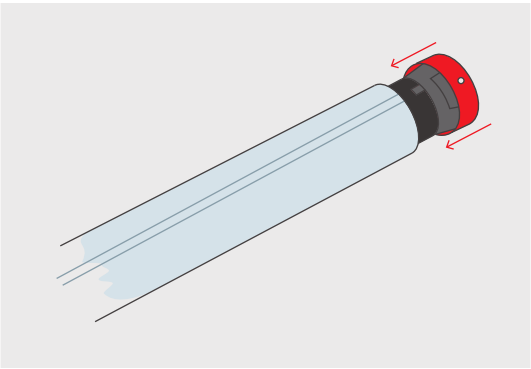
2. Remove all filings and burrs from the edges of the roller tube.



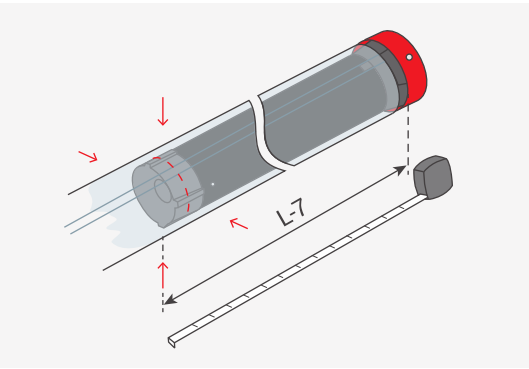
3. Mount the adaptation on the motor.



4. Measure the length L between inner edge of the cylinder head and the end of the driver.

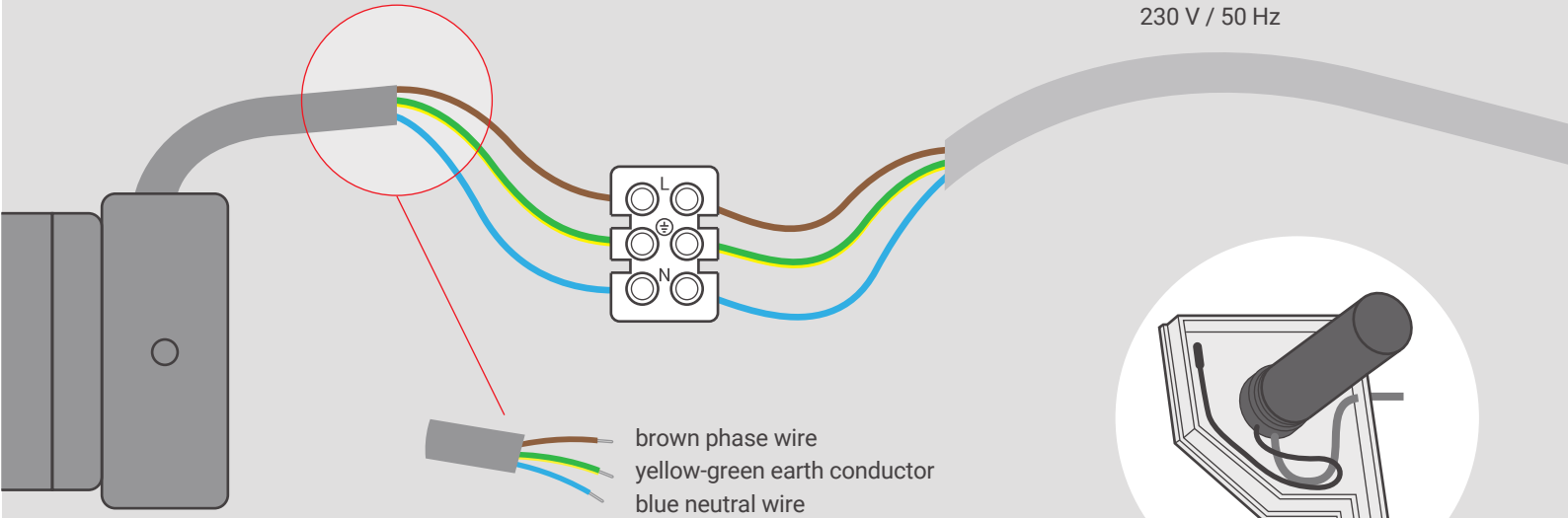


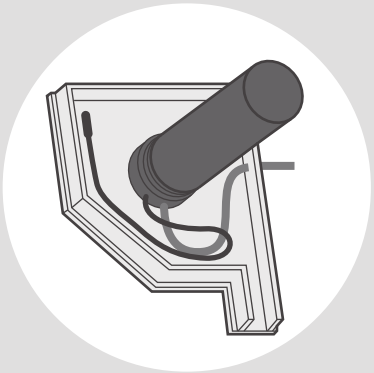
5. Place the motor in the roller tube in a way that the edge of the roller tube sticks to the inner edge of the cylinder head.



Anchor the roller tube to the driver with four screws or rivets, placed in a distance L-7 mm from the inner edge of the cylinder head.

4. Connection





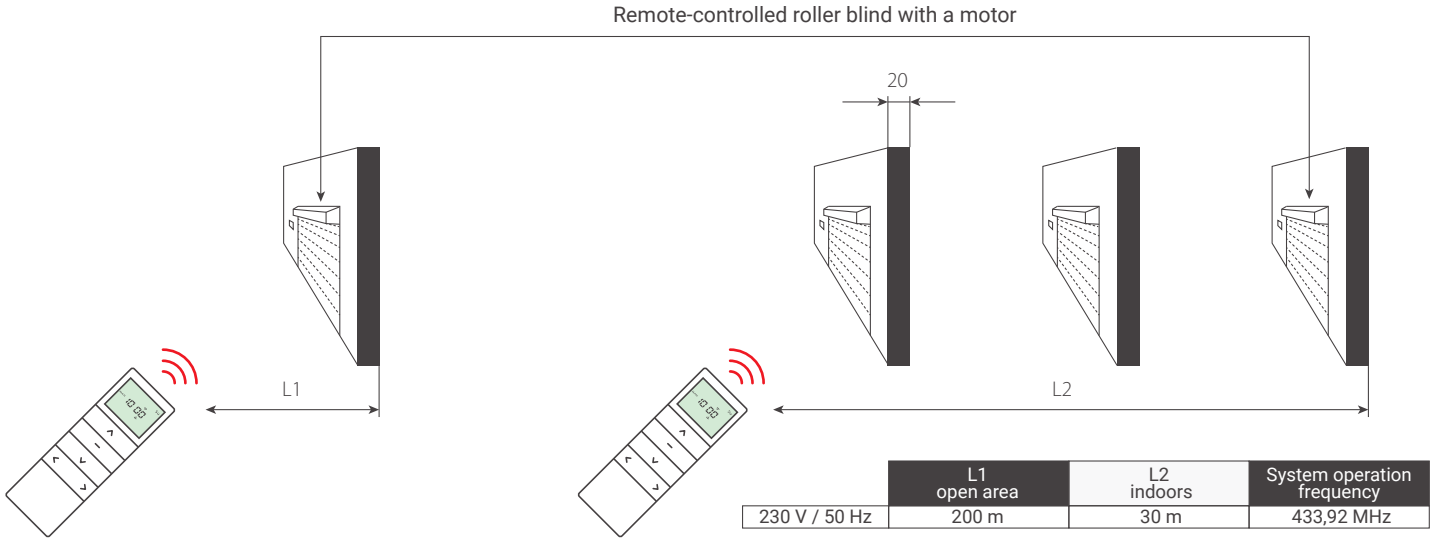
Power supply wire and antenna mounting method.

230 V AC	L	N	⏚
	phase wire	neutral wire	earth conductor

Installation should be carried out by authorized persons, i.e. having appropriate permissions (min. SEP to 1 kV). The device is meant to be installed in places protected against adverse weather conditions. The device should be mounted in accordance with regulations and standards applicable in Poland and in EU. Wires connecting the receiver of electric energy with power source should be protected against overload and short circuit with protecting devices, which will turn off the power supply automatically. The device should be powered via a separate line, protected by a fast-acting fuse (e.g. WTS, S-cl.B), and never by a slow-acting fuse (cl. C or D). Protecting the system with such a fuse can cause loss of warranty rights. While connecting the device with power supply, you must use wires with suitable gauge. While choosing them, use tables with long-term load capacity of conductors with direct or alternating current.

5. Range

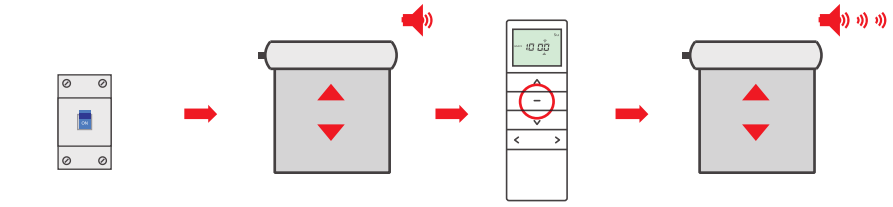
The range given by the manufacturer is a variable value, depending on the conditions in the environment in which the device works. Factors such as building structure, signal interference from other devices, etc. affect range.



	L1 open area	L2 indoors	System operation frequency
230 V / 50 Hz	200 m	30 m	433,92 MHz

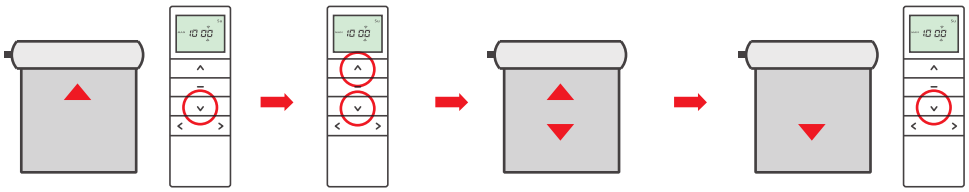
6. Programming of the first transmitter

1. A break between succesive button presses longer than 6 seconds, will automatically cause the exit from programming mode without saving the changes.



Turn on power supply. | The motor will make a sound. The blind will make short up/down moves. | Press and hold STOP button on the remote control for 2 sec. | The blind will make two short up/down moves. The motor will make a few short sound signals.

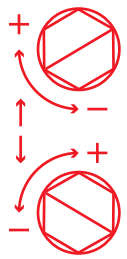
7. Changing the direction of motor operation



DOWN button controls lifting of the blind. | Press and hold UP and DOWN buttons for 2 seconds. | The blind will make short up/down moves. | DOWN button controls lowering the blind.

8. Limit positions adjustment

You must adjust limit positions manually, with a regulator from your set.



− Decreasing the range

\+ Increasing the range

↑↓ Direction of engine rotation

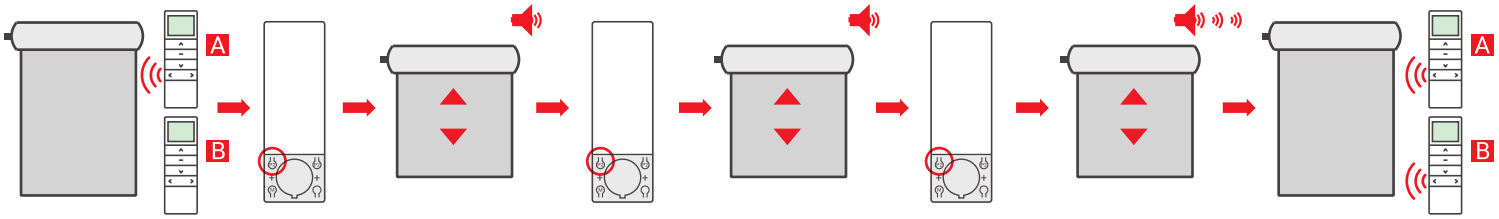
Direction of adjustment of the limit switch

To adjust lower or upper limit position, put the blind in motion of closing or opening, until it stops in a factory set position. To increase this range, use the proper knob and move it towards „+”. If the range is too big, decrease it by moving it towards „-”.

9. Programming of the next transmitter

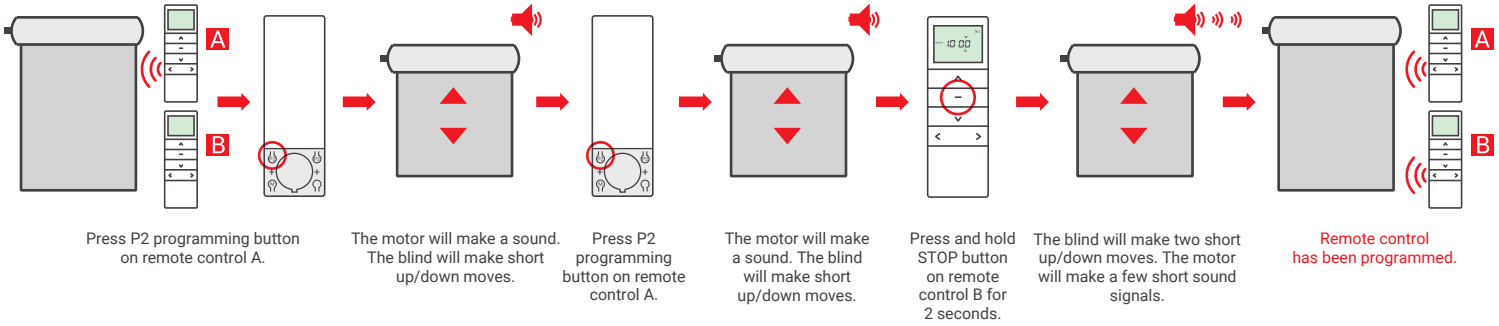
1. The receiver can be controlled by max. 10 transmitters.
2. A break between succesive button presses longer than 6 seconds, will automatically cause the exit from programming mode without saving the changes.

METHOD NO. 1:

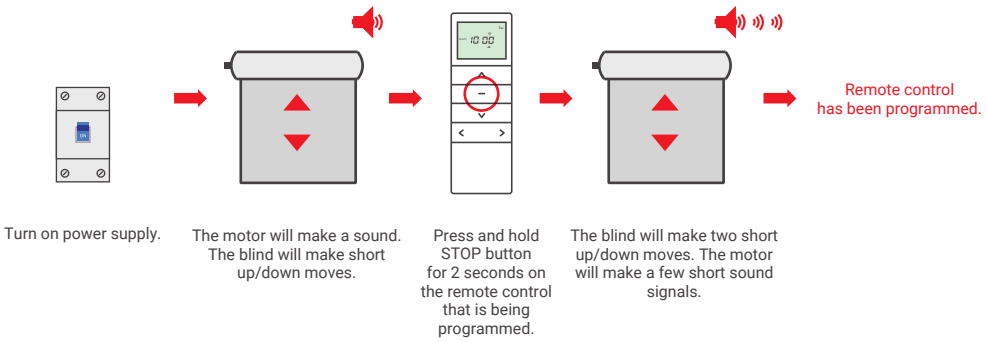


Press P2 programming button on remote control A. | The motor will make a sound. The blind will make short up/down moves. | Press P2 programming button on remote control A. | The motor will make a sound. The blind will make short up/down moves. | Press P2 programming button on remote control B. | The blind will make two short up/down moves. The motor will make a few short sound signals. | Remote control has been programmed.

METHOD NO. 2:

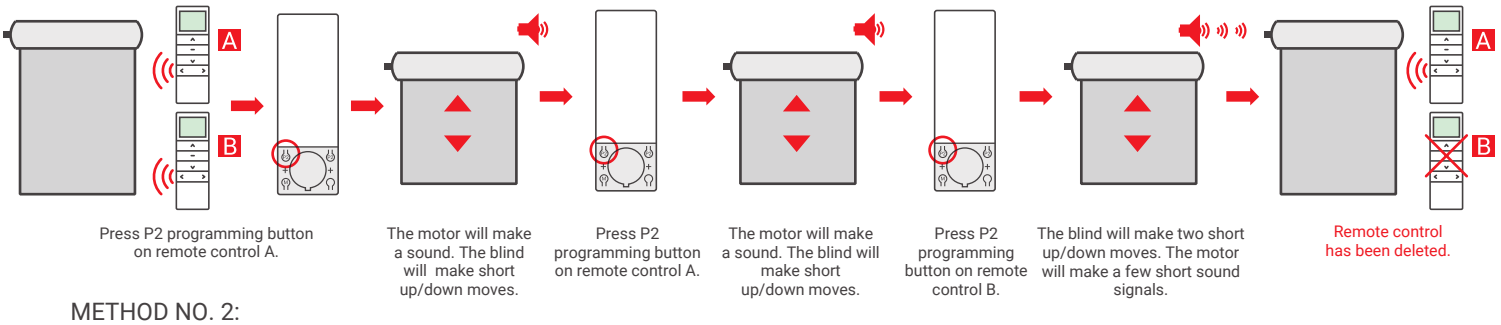


METHOD NO. 3:

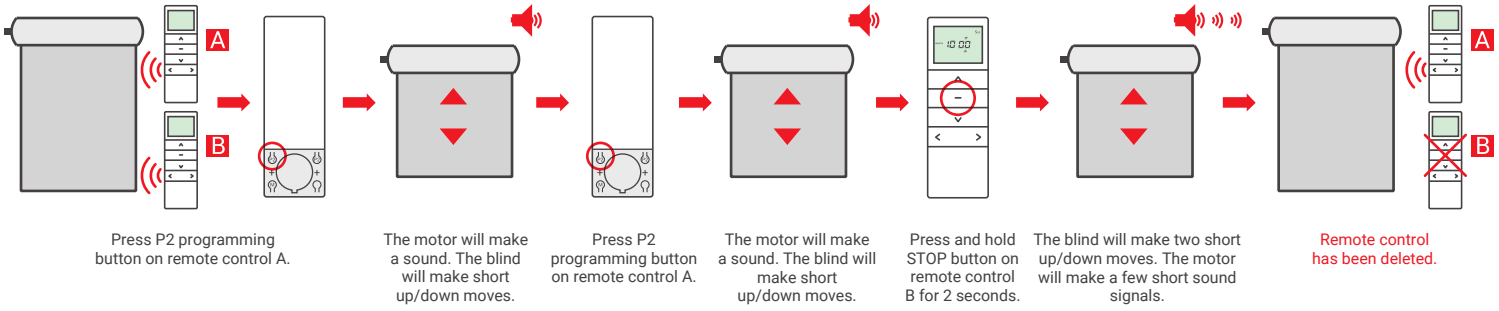


10. Deleting the next transmitter

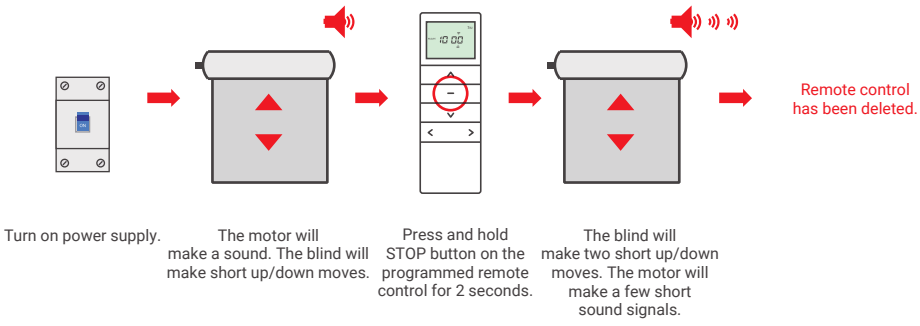
METHOD NO. 1:



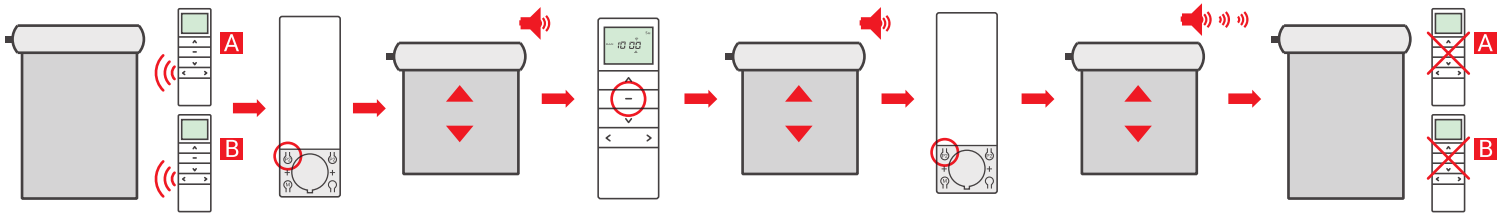
METHOD NO. 2:



METHOD NO. 3:



11. Deleting all transmitters



Press P2 programming button on remote control A.

The motor will make a sound. The blind will make short up/down moves.

Press STOP button.

The motor will make a sound. The blind will make short up/down moves.

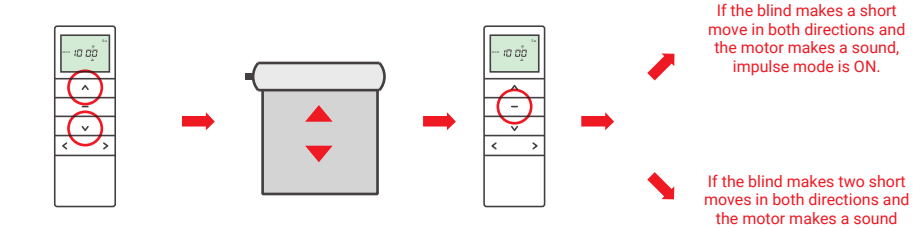
Press P2 programming button.

The blind will make two short up/down moves. The motor will make a few short sound signals.

All active transmitters have been deleted.

12. Activation of impulse mode

1. A break between succesive button presses longer than 6 seconds, will automatically cause the exit from programming mode without saving the changes.
2. To turn on the impulse mode, follow the procedure below and to turn it off - repeat the same procedure.
3. The impluse function is carried out in the following way: short pressing of UP or down button causes fluctuating motor operation and holding the button for more than 2 seconds causes steady motor operation.



Press and hold UP and DOWN buttons simultaneously for 5 seconds.

The blind will make short up/down moves.

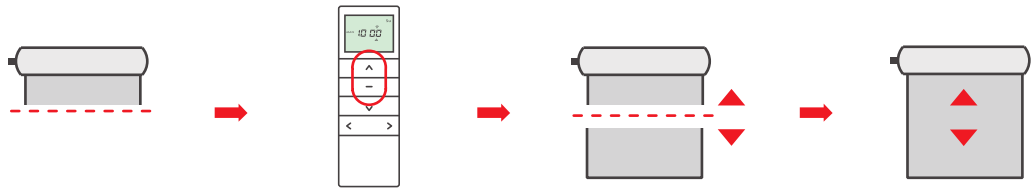
Press STOP button on the remote control.

If the blind makes a short move in both directions and the motor makes a sound, impulse mode is ON.

If the blind makes two short moves in both directions and the motor makes a sound three times, impulse mode is OFF.

13. Controlling with the application

To percentage control the roller blind positions, you must programme upper and lower limit positions.



Place the motor in the upper limit position.

Press and hold UP and STOP buttons simultaneously for 2 seconds.

The motor will make a move in the direction of the lower limit position, then in the direction of the upper limit position.

The blind will make short moves in both directions, confirming that limit positions have been programmed.