433 MHz CE

Non-compliance with the specification might cause risk for life or health and can determine proper work of the roller shutter.
We strongly recommend to comply with the specification.
Installation of the tubular motor should be performed by specialists with 1kV or higher SEP-certified electrician's licence (SEP - Association of Polish Electrical Engineers) or equal license.

General information





From top:
1. 55RM motor
2. 59RM motor

RM type motors have built-in radio receiver allowing remote control. They are designed for automation of garage doors. Motor head is equipped with emergency opening system that allows for gate door to be opened or closed in case of power failure. Motors are also equipped with mechanically set limit positions allowing roller shutter to stop on desired level. Motors are compatible with all YOODA brand remotes.

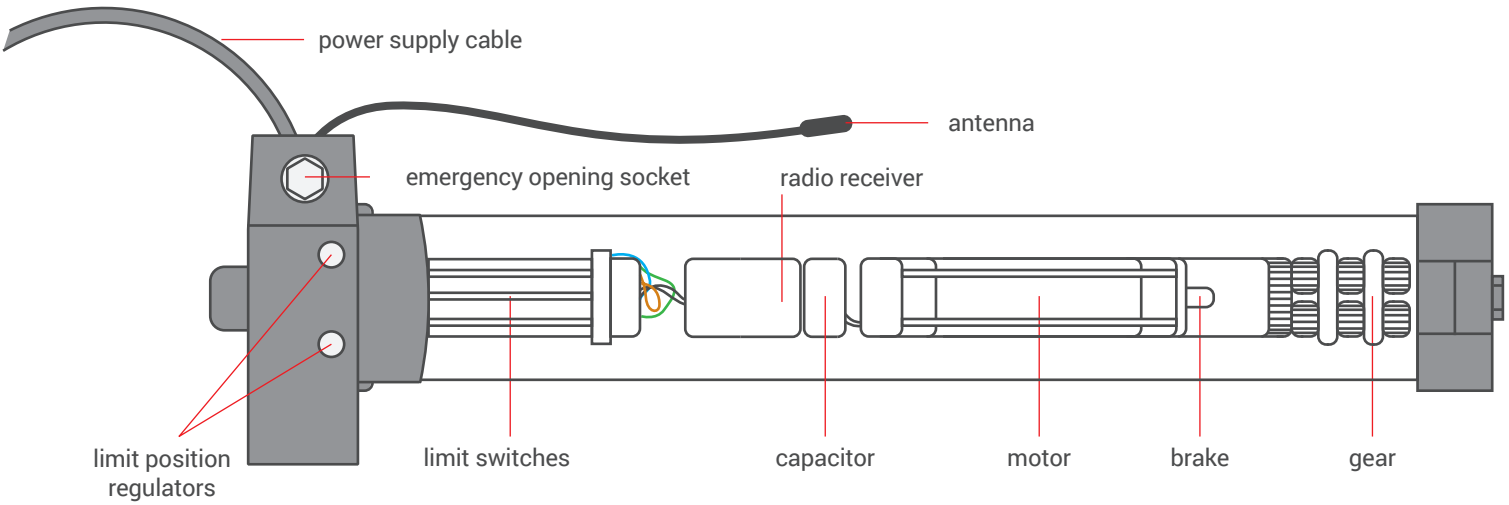
Radio receiver memory:
up to 20 transmitters

Max time of continous work:
4 min.

Power supply:
230 V / 50 Hz

Operating temperature:
from -25°C to 50°C

Protection degree:
IP 44



Maximal time of continuous work is 4 minutes. After that time thermal protection will be activated preventing motor form overheating. After that motor will be disabled for about 20 minutes until it cools down.

SPECIFICATION OF 'RM' TYPE MOTORS 55 AND 59 SERIES

YOODA TECHNOLOGY

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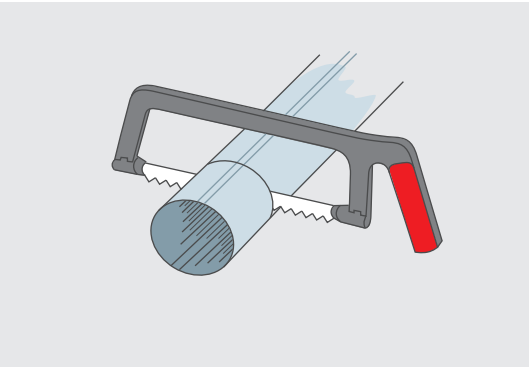
Safety measures

Before installing or using motor please read the following instruction. Installation of the tubular motor should be performed by specialists with 1kV or higher SEP-certified electrician's licence (SEP - Association of Polish Electrical Engineers) or equal license. Montage should be done by a qualified installer with compliance with all requirements and norms implemented in the country of installation as well as should transfer all information concerning usage and maintenance of the device to the user. Non-compliance to this instruction of installation and usage can present risks to health and safety of installer and/or user and may cause failures in correct operation of the roller shutter. Negligence of mentioned safety measures may lead to the lapse of liability for damages in the event of damage or loss.

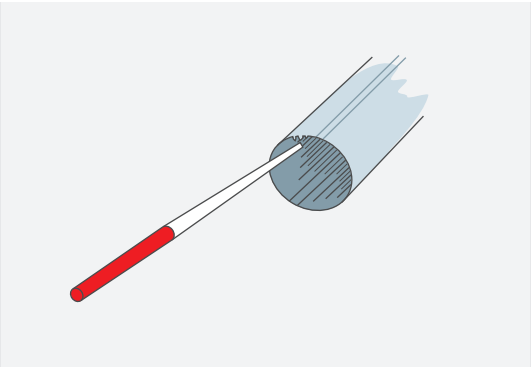
- Motors torque parameter should be adequate to the weight of the roller shutter curtain.
- Wiring should be mounted in a way preventing water from entering the tubular motor.
- All contact of the motor with any liquids should be reduced to minimum.
- No tools should be used when placing motor in the tube.
- Electrical system control should be performed regularly to detect any signs of use or damage of the motor.
- Electrical supply needs to be disconnected before conducting any maintenance, cleaning and/or repair work.
- During the adapter montage special attention must be paid not to damage the motor.
- Motor and its control system should be kept out or reach of children.

Placing motor in the tube

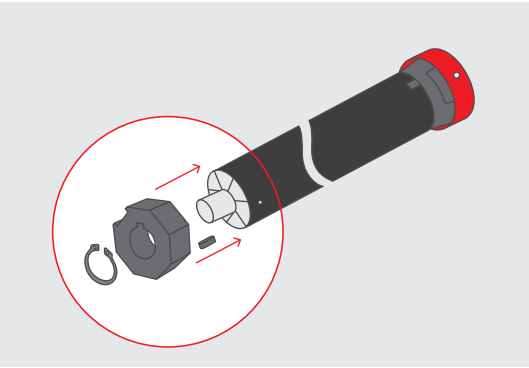
Motor should be mounted in places protected from unfavourable weather conditions.



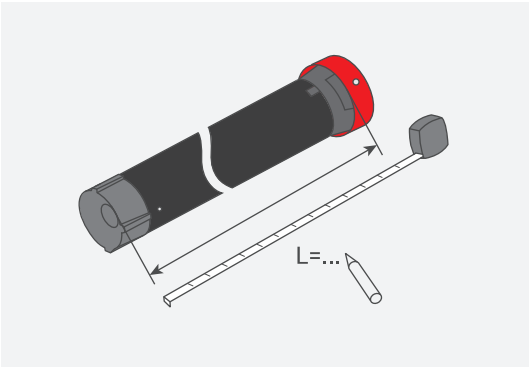
1. Cut the tube to the proper length.



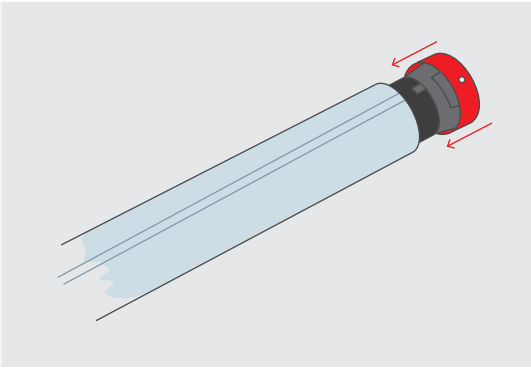
2. Deburr the edges and remove the metal residue.



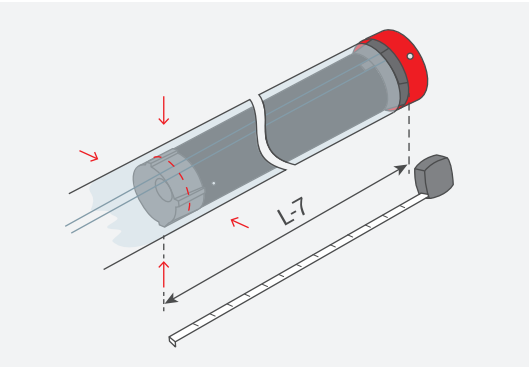
3. Place the adaptation on the motor.



4. Measure the distance (L) between the inner edge of motors head and the end of the motors adaptor.



5. Insert the motor into the tube up to the point of connection between the edge of the tube and the inner edge of the motors head.

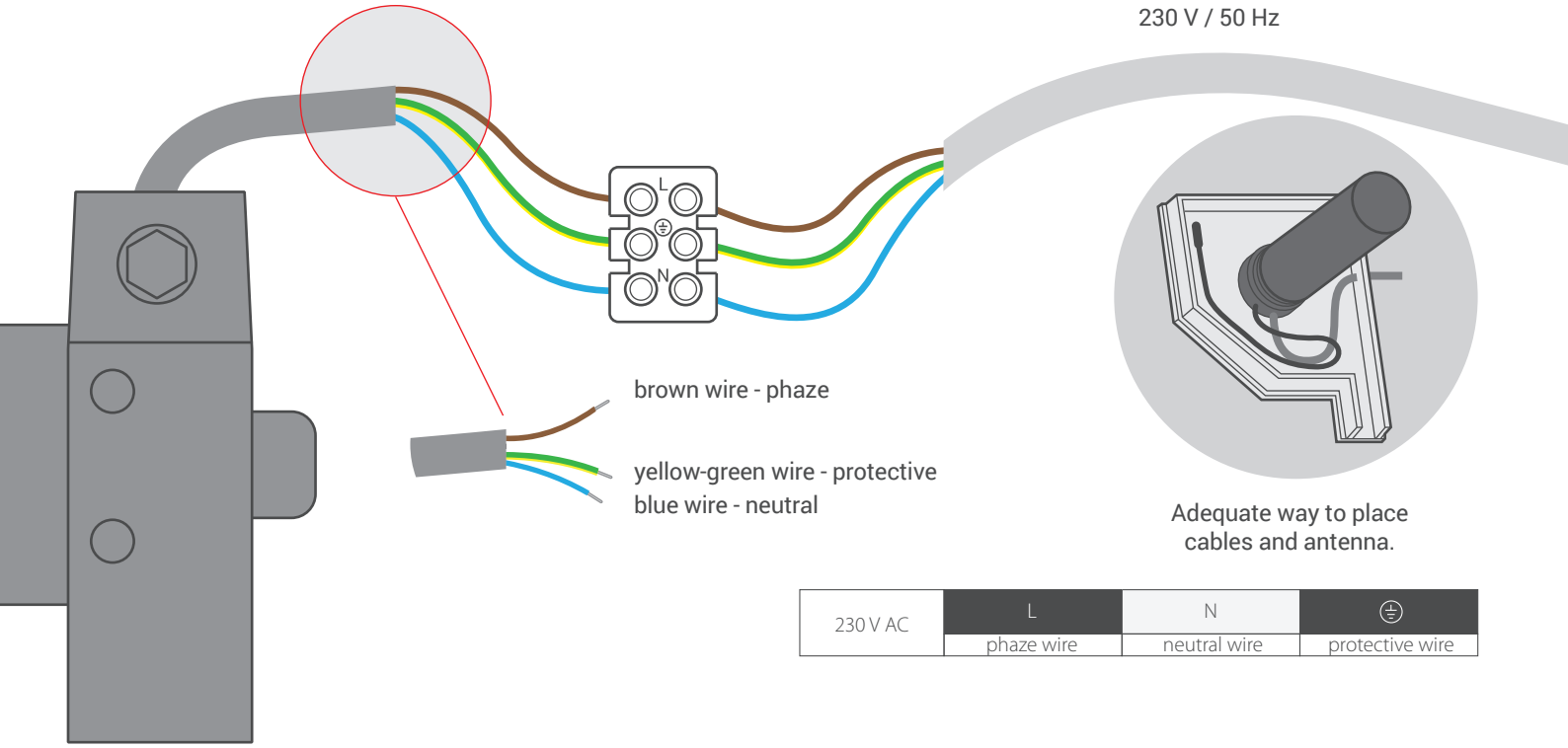


6. Secure the tube to the coupling part of the adaptation using 4 screws or rivets, placed at L-7 mm distance from the inner edge of the motors head.

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Connection

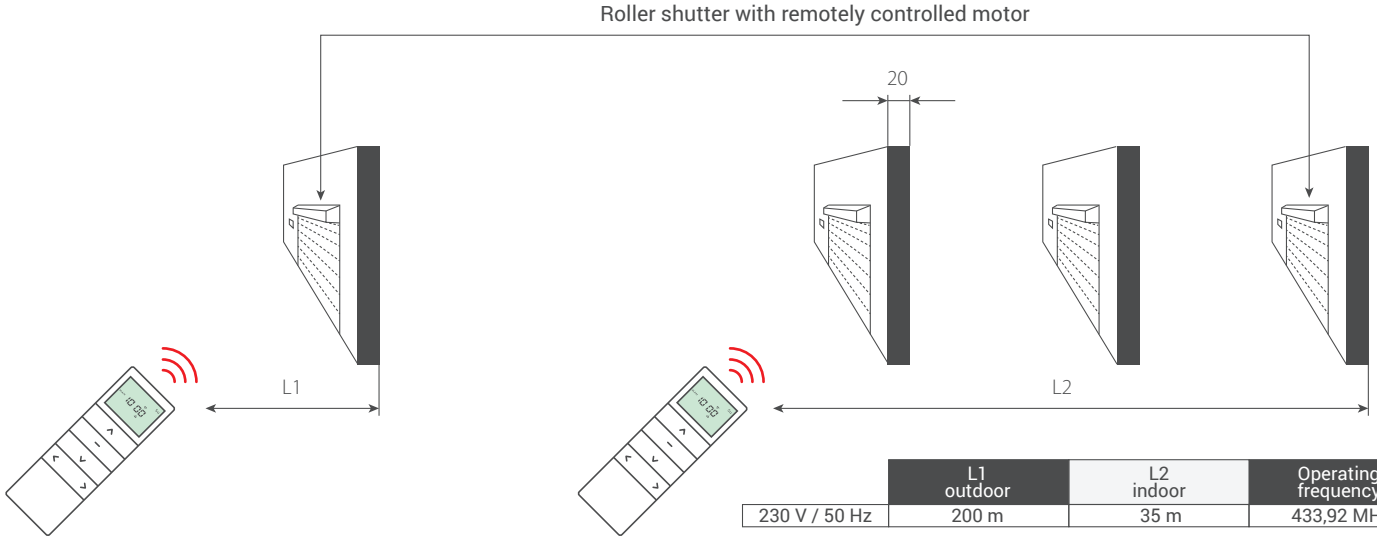


230 V AC	L	N	⏚
	phaze wire	neutral wire	protective wire

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Range

Radio receiver range is a variable value and can differ from declared values depending on conditions in which device operates. Possible sources of changes in range are building construction, interference caused by other radio transmitters etc.



	L1 outdoor	L2 indoor	Operating frequency
230 V / 50 Hz	200 m	35 m	433,92 MHz

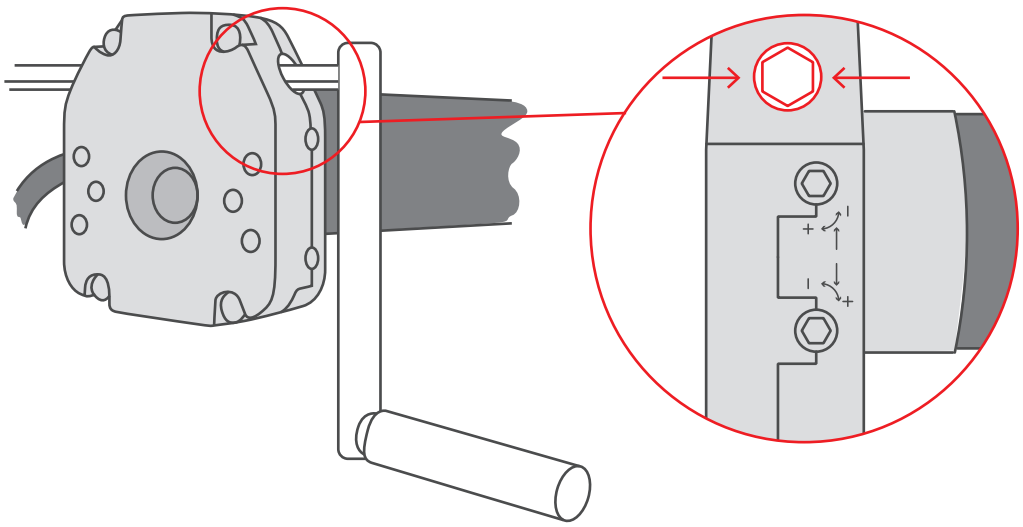
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Emergency opening mechanism

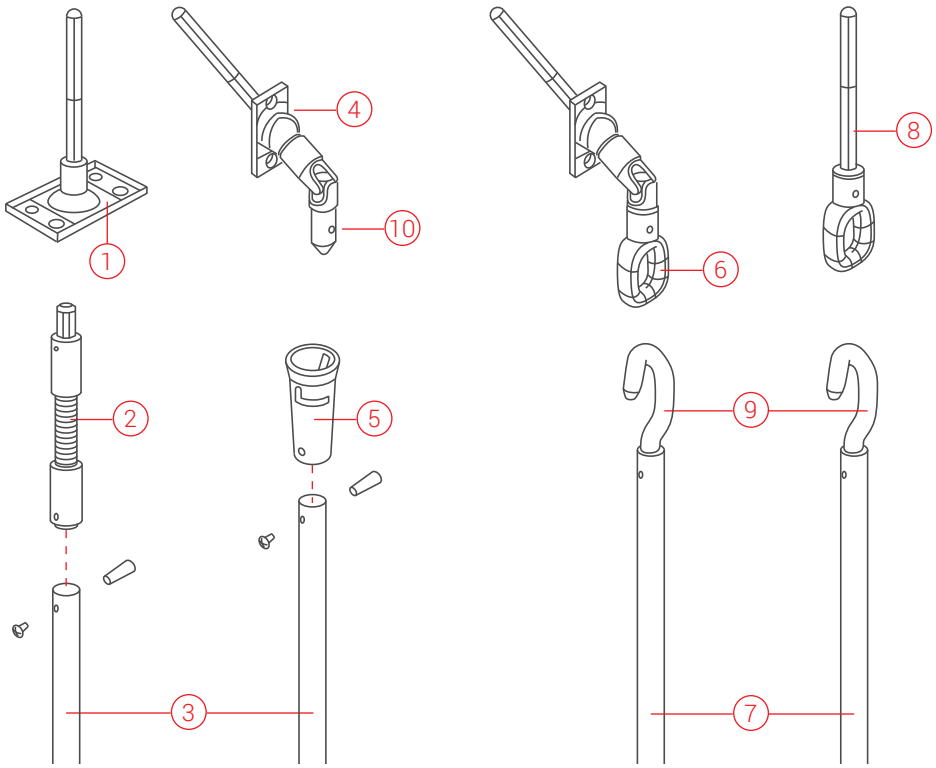
7 mm hexagonal pivot is needed to operate the emergency opening mechanism correctly.

To close or open gate using emergency opening mechanism crank should be placed in the emergency opening socket. Turning the crank will cause the gate to open or close.



Examples of emergency opening solutions:

1. Hexagonal pivot with socket for M type motors.
2. Bending connector for M type motors
3. Steel rod with crank
4. Cardan joint 45° with hexagonal pivot
5. Connection end for rods
6. Eye for Cardan joint
7. Steel rod with crank
8. Hexagonal pivot with eye
9. Galvanized hook for steel rod
10. Pivot tip for Cardan articulation

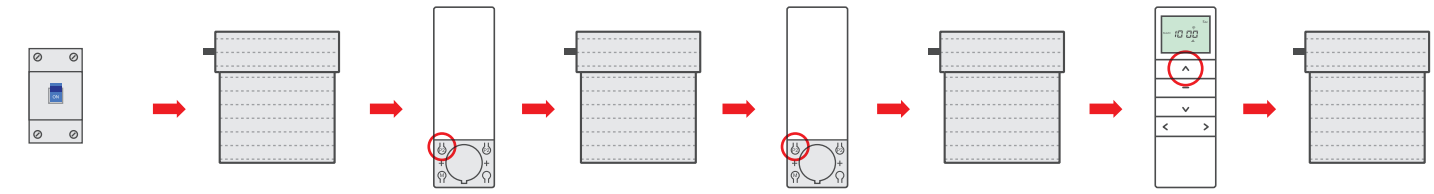


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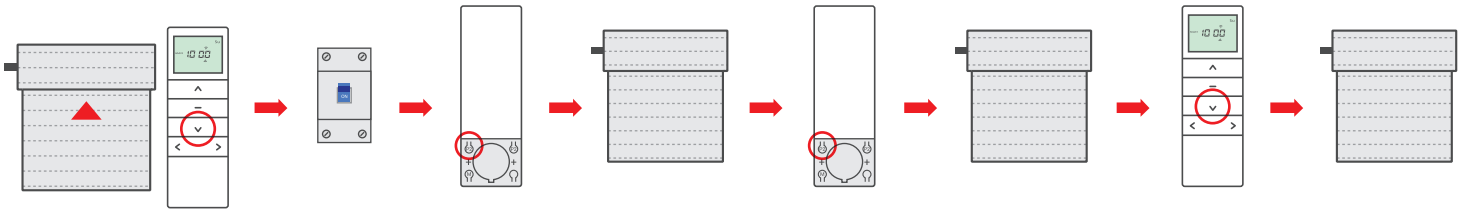
Programming first transmitter

Longer than 5 seconds pause between series of button clicks during programming will cause device to switch off from programming mode without saving any changes.



Turn power on. | Motor will make a sound. | Press programming button (P2) on the remote. | Motor will make a sound. | Press programming button (P2) on the remote. | Motor will make a sound. | Press UP button on the remote. | Motor will make few sounds.

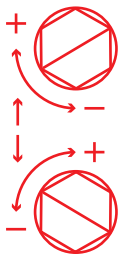
Changing motors direction



When pressing DOWN button roller shutter moves up. | Turn power off for 10 seconds, and then turn it on again. | Press programming button (P2) on the remote. | Motor will make a sound. | Press programming button (P2) on the remote. | Motor will make a sound. | Press DOWN button on the remote. | Motor will make few sounds.

Setting limit positions

Limit positions need to be set manually using supplied regulator.



− Decrease of the range

\+ Increase of the range

↑↓ Motors spin direction

Direction of limit position switches regulation

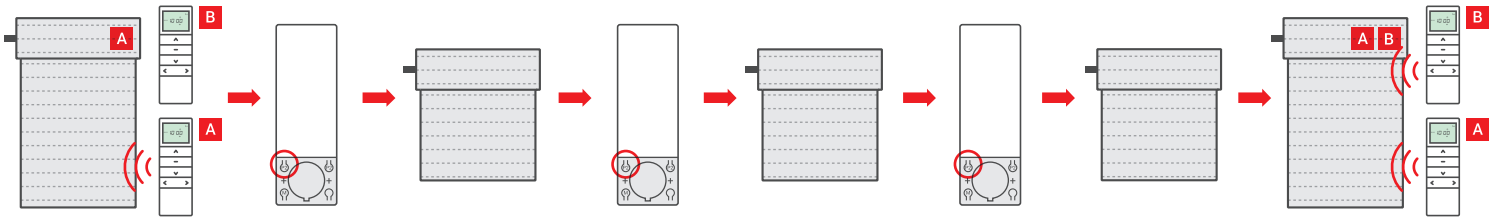
For setting bottom or top limit position roller shutter needs to be started (opening or closing direction) until it stops at the factory set height. For increasing the range of limit position turn the rotary regulator in the ‘+’ direction. Analogically, for decreasing the range, turn in the ‘-‘ direction.

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Programming another transmitter

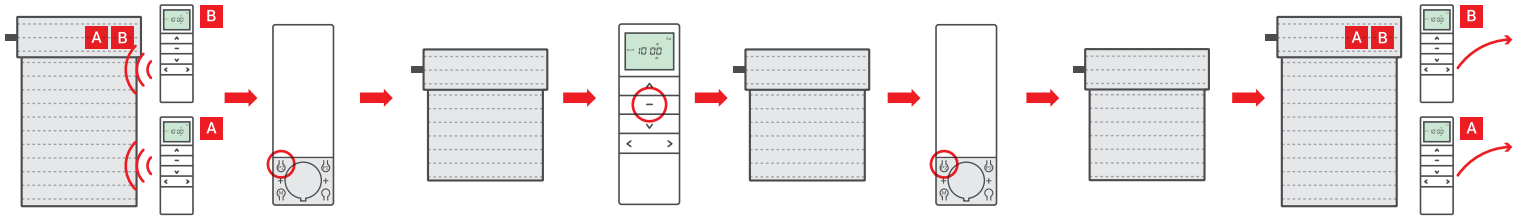
Receiver can be controlled by up to 20 transmitters.
Longer than 5 seconds pause between series of button clicks during programming will cause device to switch off from programming mode without saving any changes.



Press programming button (P2) on already programmed and working remote (A).
Motor will make a sound.
Press programming button (P2) on already programmed and working remote (A).
Motor will make a sound.
Press programming button (P2) on new remote (B).
Motor will make few sounds.
Both remotes controll motor.

Deleting radio receiver memory

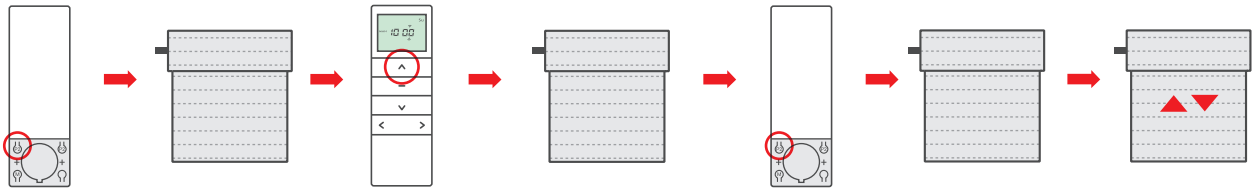
Longer than 5 seconds pause between series of button clicks during programming will cause device to switch off from programming mode without saving any changes.



Press programming button (P2) on already programmed and working remote.
Motor will make a sound.
Press STOP button on previously used remote.
Motor will make a sound.
Press programming button (P2) on previously used remote.
Motor will make few sounds.
All previously programmed and working remotes have been deleted.

Activating impulse mode

Longer than 5 seconds pause between series of button clicks during programming will cause device to switch off from programming mode without saving any changes.
To reverse this procedure please repeat the instruction.



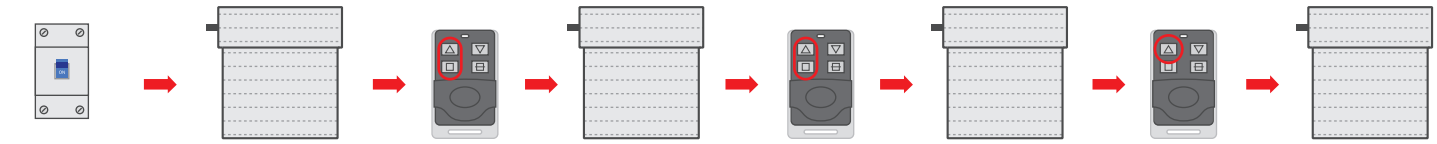
Press programming button (P2) on already programmed and working remote.
Motor will make a sound.
Press UP button on the remote.
Motor will make a sound.
Press programming button (P2) on the remote.
Motor will make few sounds.
When motor is in impulse mode single push of a button on the remote will cause motor to make 1/16 of a full turn.

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Programming key-ring remotes

When programming key-ring remotes that do not have additional P2 programming button the same function is substituted with simultaneous push of STOP and UP buttons.
Longer than 5 seconds pause between series of button clicks during programming will cause device to switch off from programming mode without saving any changes.



Turn power on.

Motor will make a sound.

Simultaneously press STOP and UP programming buttons.

Motor will make a sound.

Simultaneously press STOP and UP programming buttons.

Motor will make a sound.

Press UP button on the remote.

Motor will make few sounds.