

433 MHz



Non-compliance with the specification might cause risk for life or health and can determine proper work of the blinds.  
We strongly recommend to comply with the specification.

## 1. General information



Center tubular motor DV24AF/L

Center tubular motors DV24AF/L equipped with a radio receiver are wireless and can be controlled with a remote. They are designed for automation of blinds in the 25 mm rail. They have electronic limit switches which are programmed by the remote control. They are powered by a 12 V power supply or an additional battery, which makes it easy to mount the motor without having to power it. DV24AF/L type motores are compatible with all YOODA transmitters.

Radio receiver memory:  
up to 20 transmitters

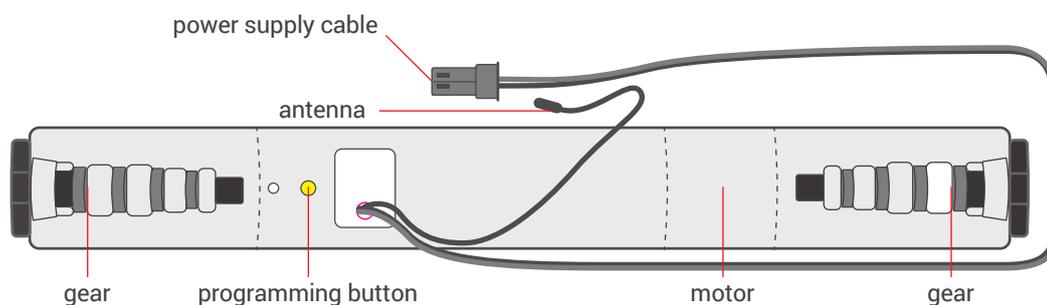
Power supply:  
12 V DC

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

Protection degree:  
IP 40

Load:  
up to 5 kg

Maximum continuous work time:  
6 min.



Programming button functions:

1. Pressing the programming button briefly for approximately 1 second controls the drive step by step.
2. Press the programming button for 2 seconds to enter the first transmitter programming mode.
3. Pressing the programming button for 6 seconds changes work motor direction.
4. Pressing the programming button for 11 seconds deletes the motor memory and restores the factory settings.

## 2. Safety measures

Before installing or using motor please read the following instruction. The installer must comply with the standards and regulations in force in the country where the appliance will be installed and provide information to users about the conditions and maintenance of the device. Failure to follow these instructions can present risk to life and health, or invalid functioning of the roller shutter. This also results in the loss of warranty rights.



Motors torque parameter should be adequate to the weight of the roller shutter curtain.



Avoid damage to the motor during transportation, installation or use. Reduce the vibration of the motor to a minimum.



Motor and its control system should be kept out or reach of children.



Electrical system control should be performed regularly to detect any signs of use or damage of the motor.

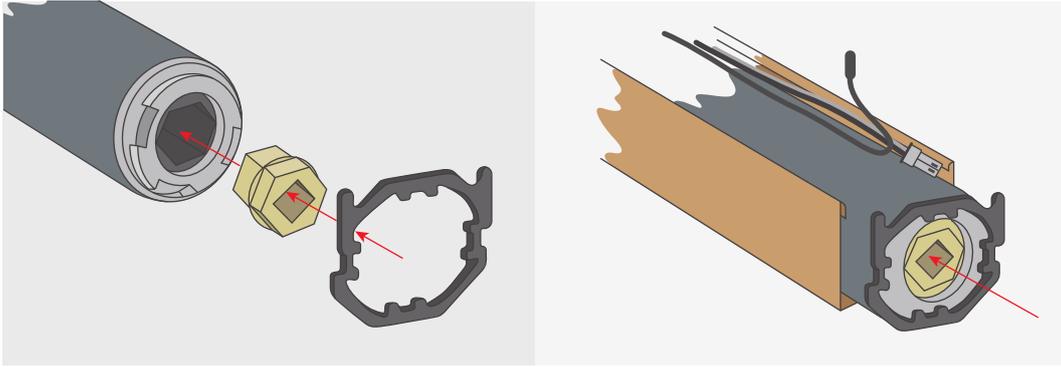


All contact of the motor with any liquids should be reduced to minimum.

### 3. Drive installation

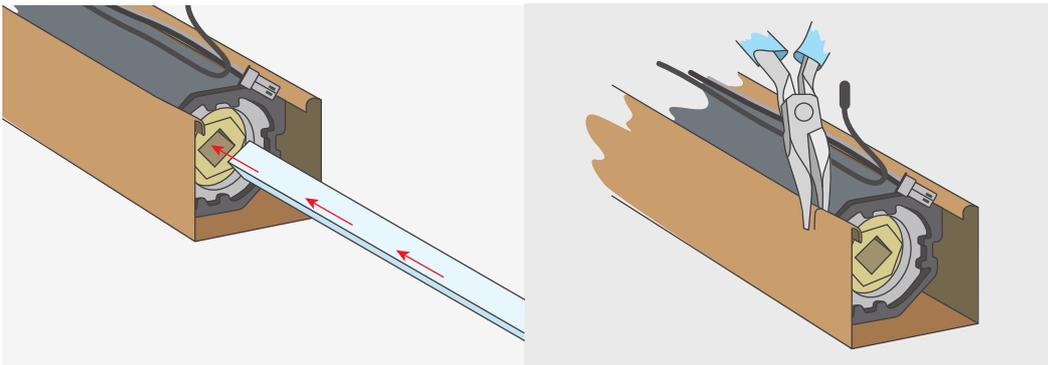


1. Motor should be mounted in places protected from unfavourable weather conditions.
2. Place the antenna outside the rail.



1. Attach the adapters and mounts on the both sides of the motor.

2. Insert the drive into the rail with care not to damage the power supply cable and the antenna.



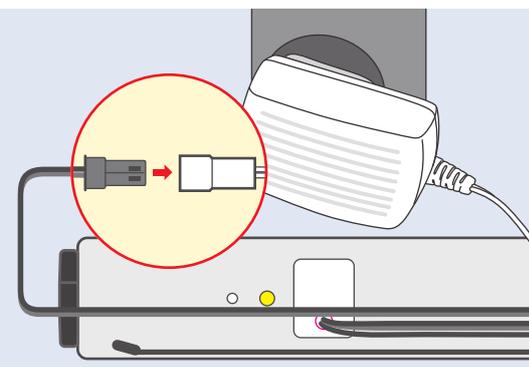
3. Place the rod into the motor adapter.  
Make sure that the rod reaches the end of the adapter.

4. Use the appropriate tool to squeeze  
the rail edge to block the motor.

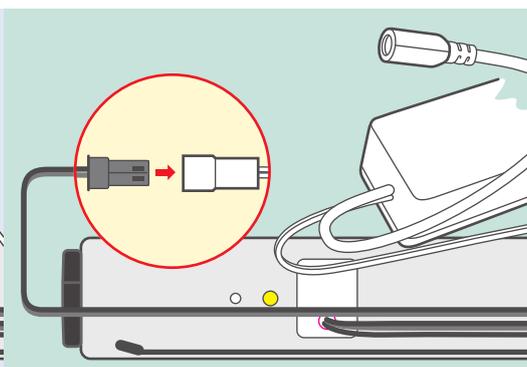
### 4. Connecting



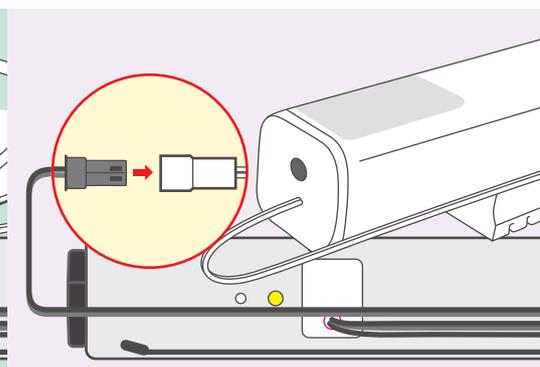
The motor can be connected to the power pack or a battery.



Connecting to a 12V power pack.



Connecting to an external battery.



Connecting to an internal battery.



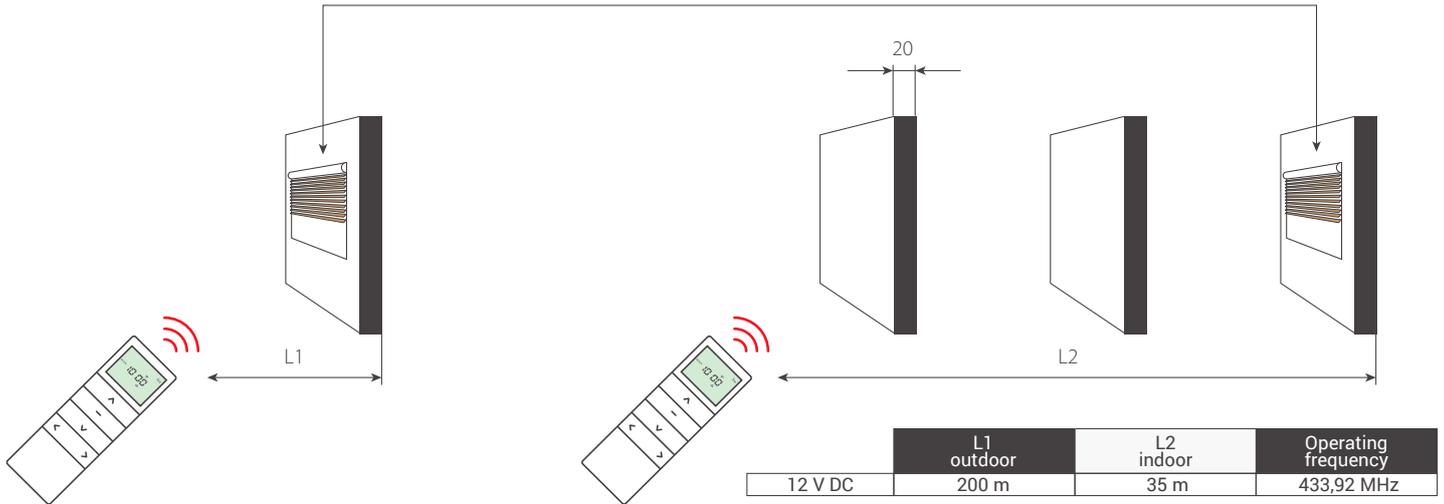
Battery charger 12V, index: LE0003W

## 5. 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.

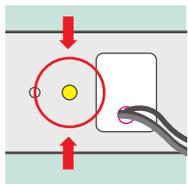
Horizontal blind with remotely controlled motor



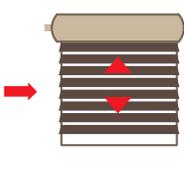
## 6. Programming first transmitter



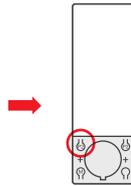
1. Longer than 5 seconds pause between series of button clicks during programming will cause device to switch off from programming mode without saving any changes.
2. Programming the first transmitter removes the previously programmed transmitters from memory.



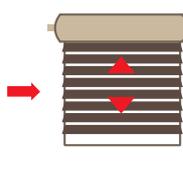
Press and hold for about 2 seconds programming button on the motor.



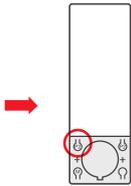
Horizontal blind will make up/down movement.



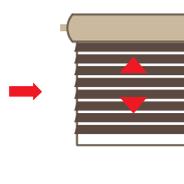
Press programming button P2 on the remote control.



Horizontal blind will make up/down movement.



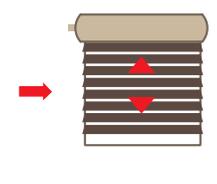
Press programming button P2 on the remote control.



Horizontal blind will make up/down movement.



Press UP button.



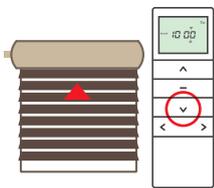
Horizontal blind will make up/down movement.

## 7. Changing motors direction

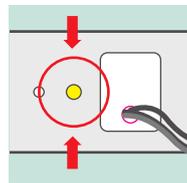


We can change the work direction of motor using the two methods described below.

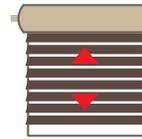
METHOD 1:



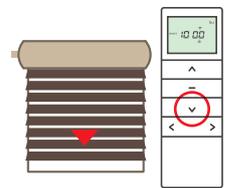
When pressing DOWN button horizontal blind moves up.



Press and hold for about 6 seconds programming button on the motor.

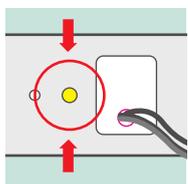


Horizontal blind will make up/down movement.

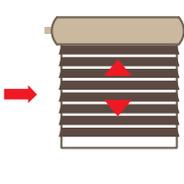


When pressing DOWN button horizontal blind moves down.

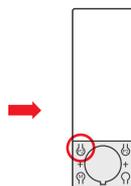
METHOD 2:



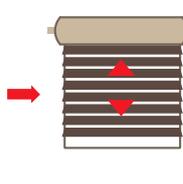
Press and hold for about 2 seconds programming button on the motor.



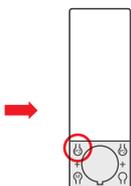
Horizontal blind will make up/down movement.



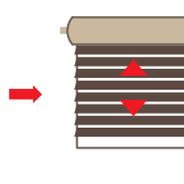
Press programming button P2 on the remote control.



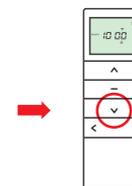
Horizontal blind will make up/down movement.



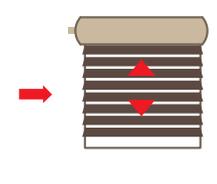
Press programming button P2 on the remote control.



Horizontal blind will make up/down movement.



Press DOWN button.

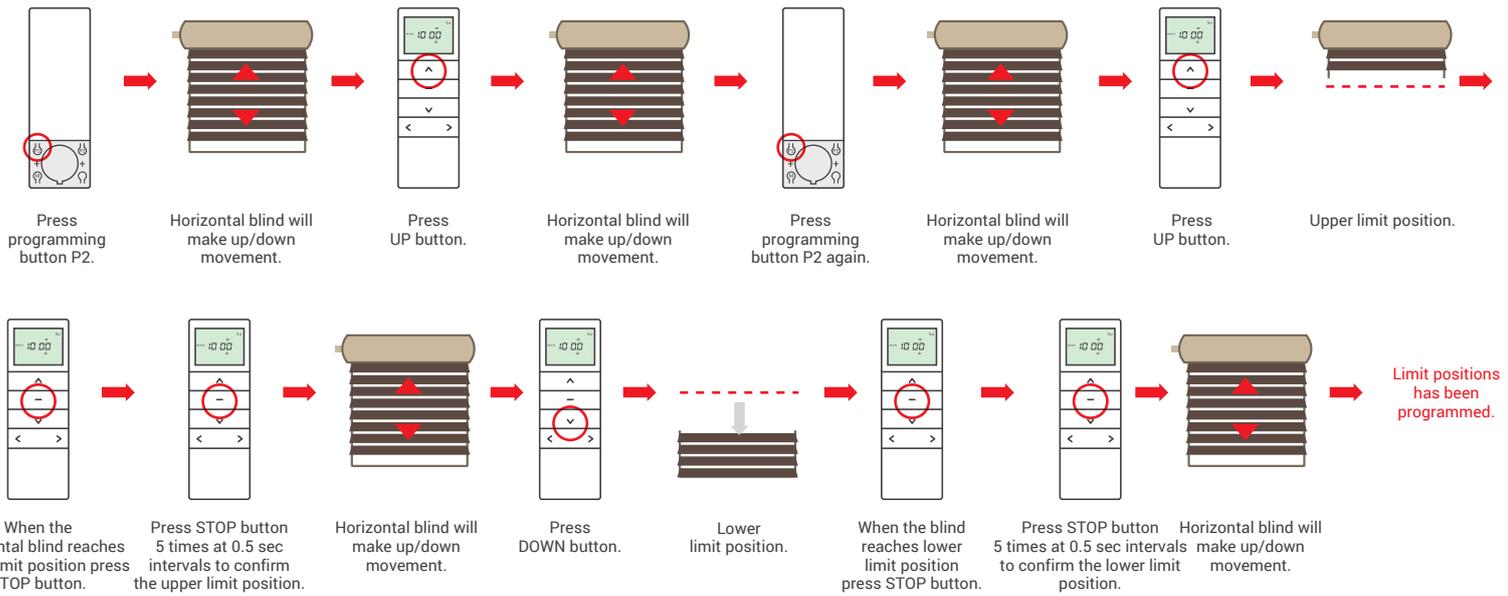


Horizontal blind will make up/down movement.

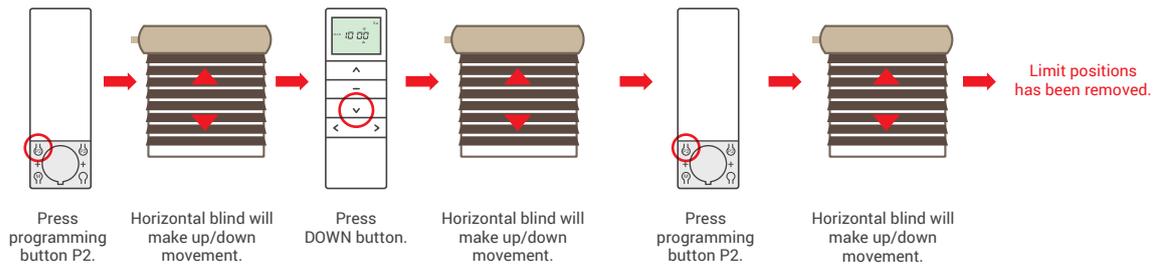
## 8. Programming limit positions



1. To set the upper and lower limit position press the programming button P2 during the motor movement, it causes the work displacement.
2. Then you can precisely set the limit positions. Pressing the P2 button again motor will run continuously.



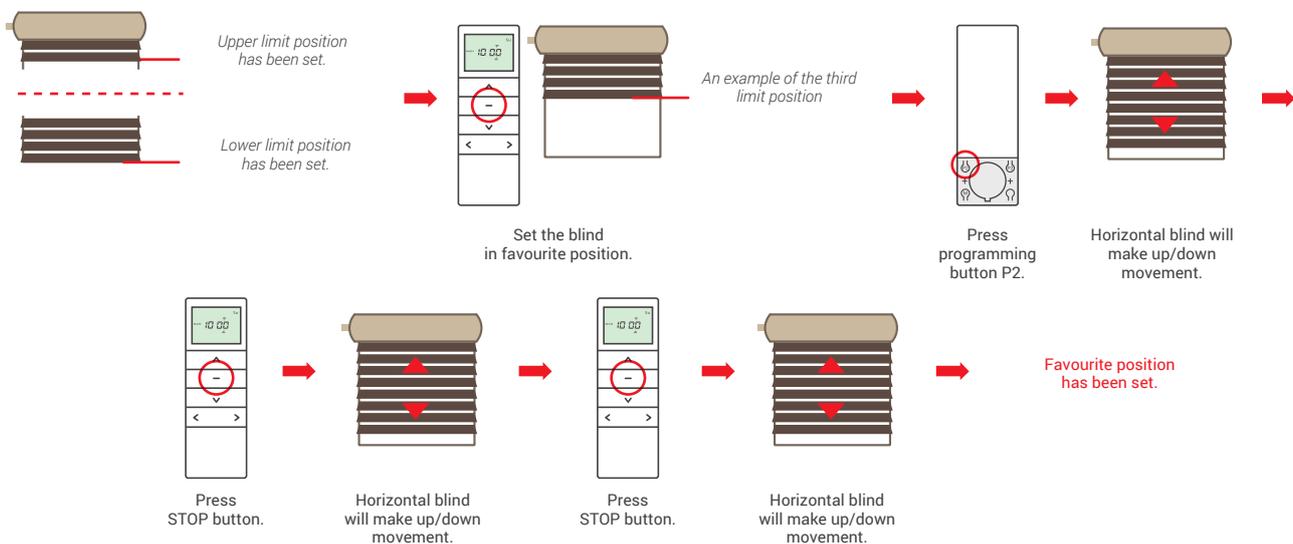
## 9. Removing limit positions



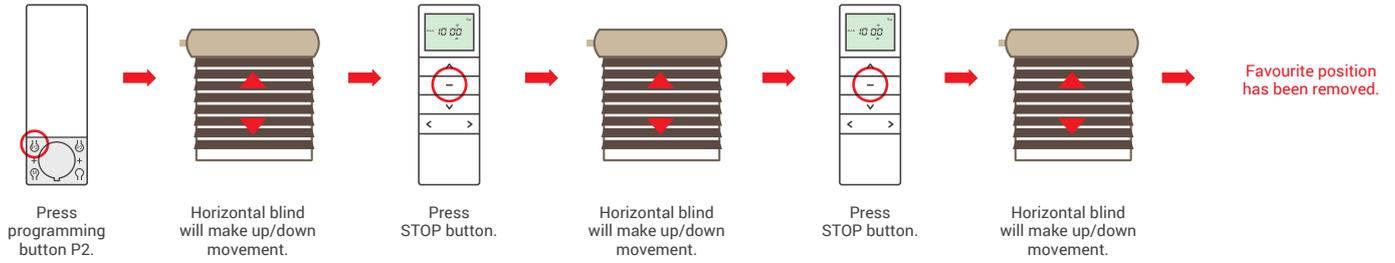
## 10. Programming the third limit position



1. After setting the upper and lower limit positions, it is possible to set the third position (favorite) between those positions.
2. Hold the STOP button for 3 seconds to set the blind in third limit position.
3. When the motor is in pulse mode, hold the STOP button for 3 seconds, blind reaches lower limit position, and then to the set third



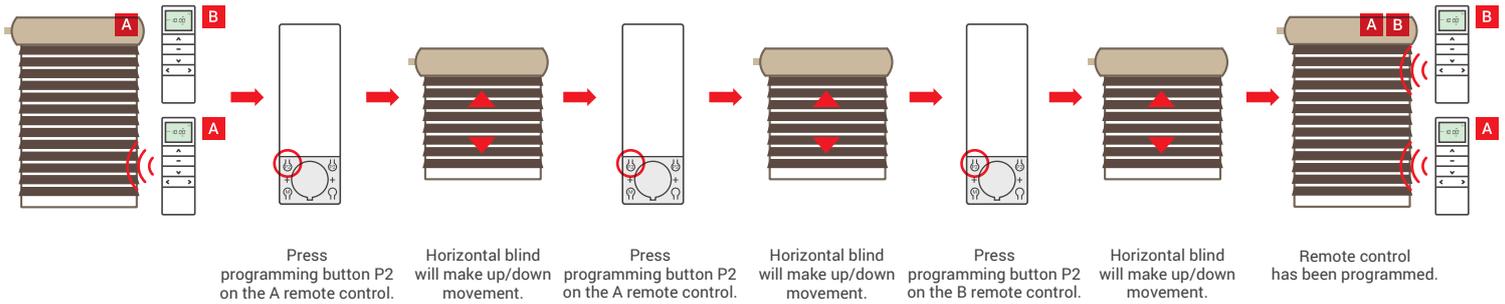
## 11. Removing third limit position



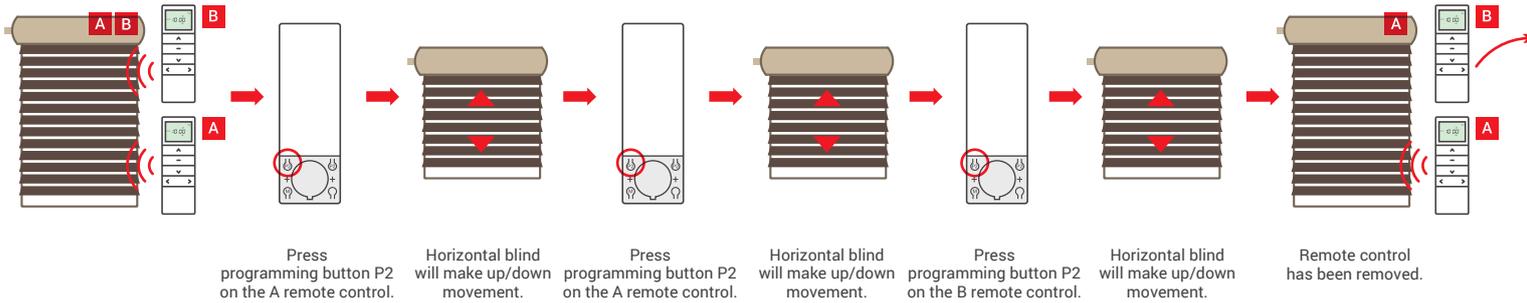
## 12. Programming another transmitter



1. Receiver can be controlled by up to 20 transmitters.
2. 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.



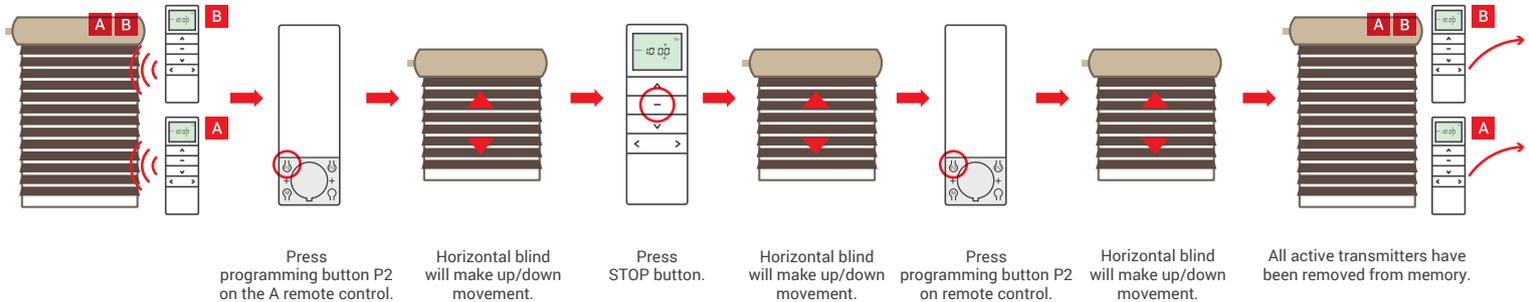
## 13. Deleting another transmitter



## 14. Deleting motor memory



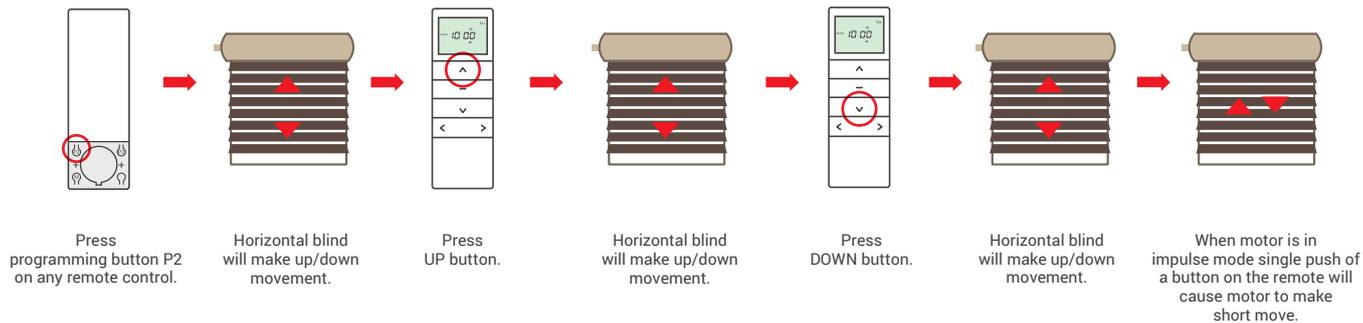
1. Deleting memory of motors radio receiver will cause for all programmed transmitters to be lost.
2. Longer than 5 seconds pause between series of button clicks during programming will cause device to switch off from programming mode without saving any changes.



## 15. Activating impulse mode



1. 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.
2. To reverse this procedure please repeat the instruction.



## 16. Programming key-ring remotes



1. 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.
2. 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.

