



Non-compliance with the specification might cause risk for life or health and can determine proper work of the blind.

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.



NANO YSH control unit transmitters are dedicated to two-way communication.

1. General information



Single-channel NANO control unit , YSH (NANO_1Cf_YSH)

1. Control:
can control single motor 35S or 45S series

2. Memory:
up to 10 transmitters

3. Range:
200 meters outdoor,
35 meters indoor

4. Power supply:
230 V / 50 Hz

5. Output voltage:
230 V / 50 Hz

6. Output power:
200 W

7. Dimensions:
50 x 45 x 23 mm

8. Operating temperature:
from 0°C to 50°C

9. Protection degree:
IP 20



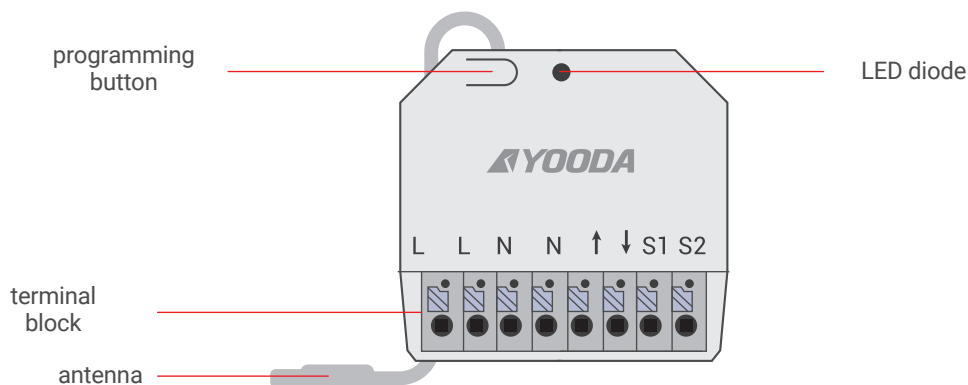
Radio receiver range is a variable value and can differ from declared values depending on conditions in which device operates. Possible sources of changes in range are building construction, interference caused by other radio transmitters etc.

2. Detailed description



PROGRAMMING BUTTON FUNCTIONS:

1. Pressing the programming button briefly for approximately 1 second controls the drive step by step. The function is active after programming the limit positions.
2. Pressing the programming button for 2 seconds enters the control unit into the transmitter programming mode.
3. Pressing the programming button for 6 seconds activates the function of blocking the radio signal. To deactivate the function, briefly press the programming button or disconnect power of the control unit.
4. Pressing the programming button for 6 seconds changes work motor direction.
5. Pressing the programming button for 14 seconds deletes the control unit memory and restores the factory settings.

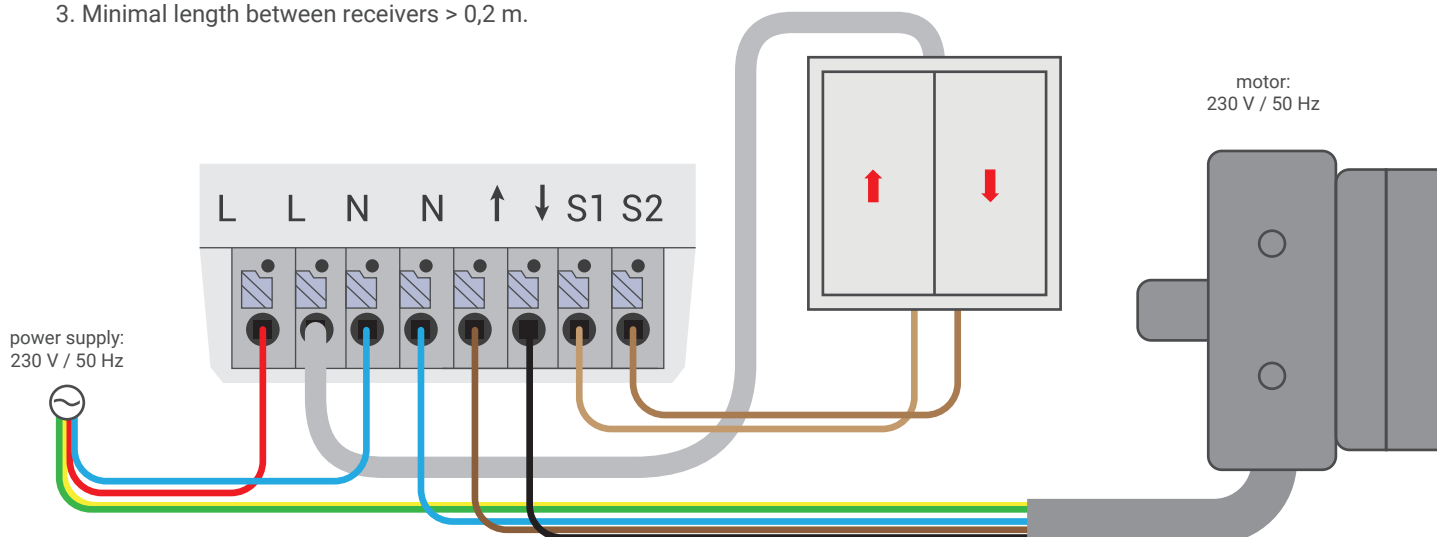


3. Installation



Optimal mounting parameters:

1. Minimal length from the ground > 1,5 m,
2. Minimal length from the wall and ceiling > 0,3 m,
3. Minimal length between receivers > 0,2 m.



- L – phase wire (power supply)
- L – phase wire (common to the switch)
- N – neutral wire (power supply)
- N – neutral wire (motor)
- ↑ – up direction (motor)
- ↓ – down direction (motor)
- S1 – up direction (switch)
- S2 – down direction (switch)

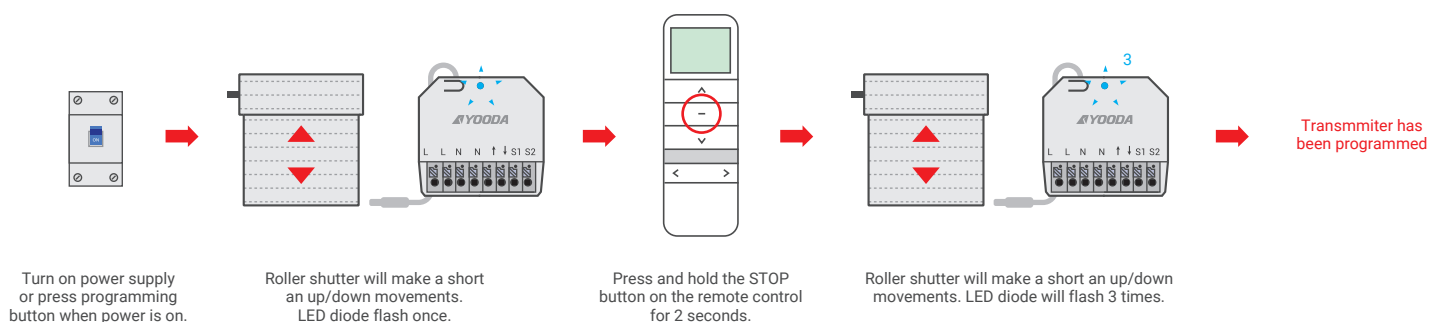


Installation of the tubular motor should be performed by specialists with 1kV or higher SEP-certified electrician's licence (SEP - Association of Polish Electrical Engineers) or equal license. Device is designed to operate in places shielded from unfavourable weather conditions. Motor should be installed in accordance with all provisions of regional law and professional standards. All cables connecting power receiver with electric source should be protected from overload and short-circuits effects with devices automatically disconnecting power. Device should be powered with a separate source and protected only with a fast-blow fuse (never slow-blow fuse). Creating electrical system using inadequate fuse may result in losing rights under the provisions of warranty. When connecting device to power source with cables with adequate cross-section should be used. Long-lasting output load capacity table should be the ground for choosing adequate cables.

4. Programming first transmitter



Longer than 4 seconds pause between series of button clicks during programming will cause device to switch off from programming mode without saving any changes.

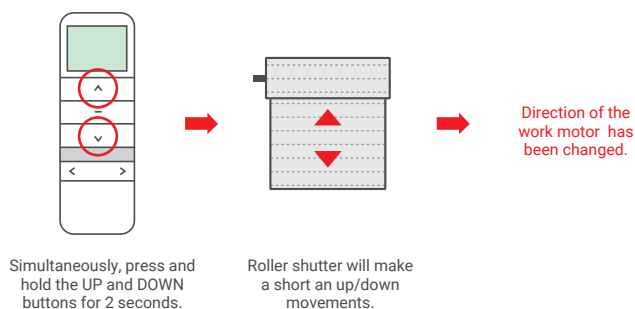


5. Changing work motor direction

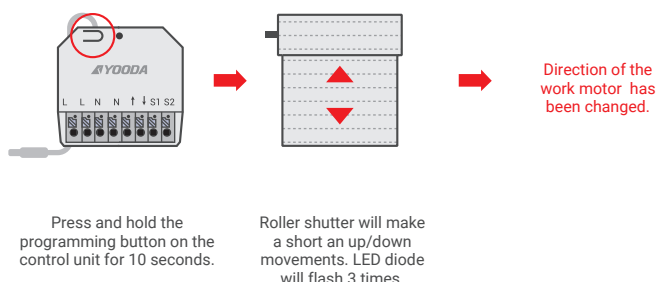


The change of the work motor direction takes place when you open the roller shutter by pressing DOWN button and close the roller shutter with UP button.

METHOD 1:



METHOD 2:

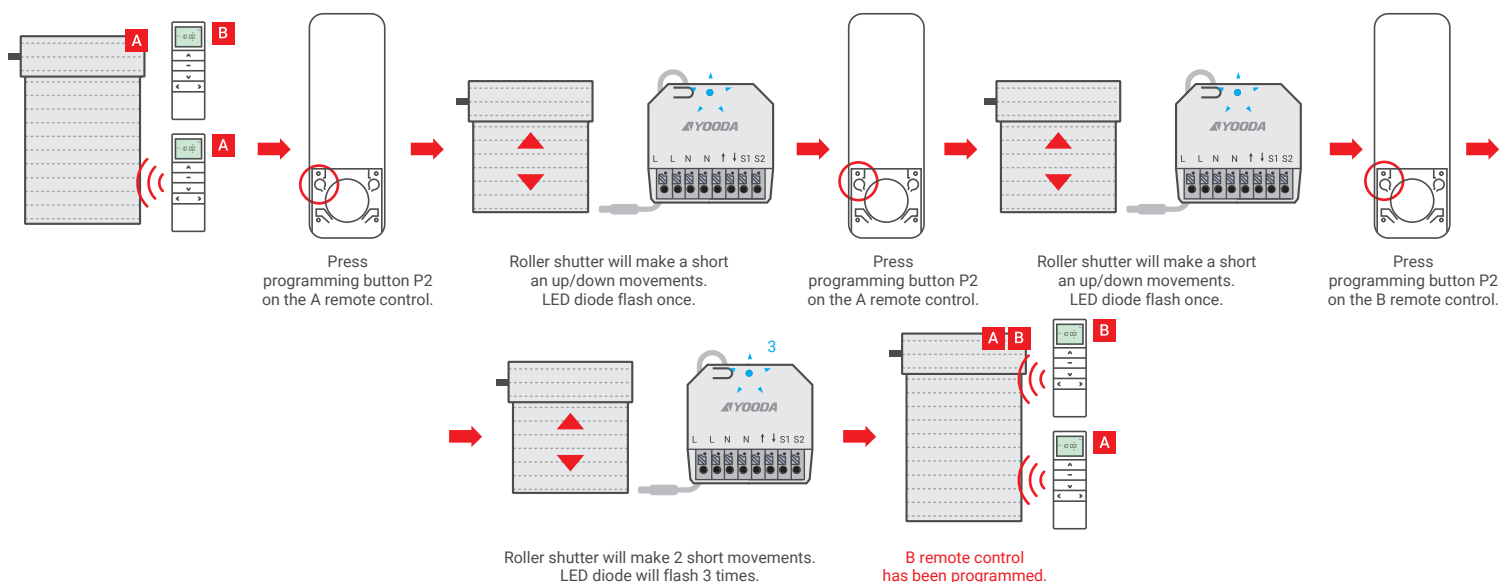


6. Programming another transmitter

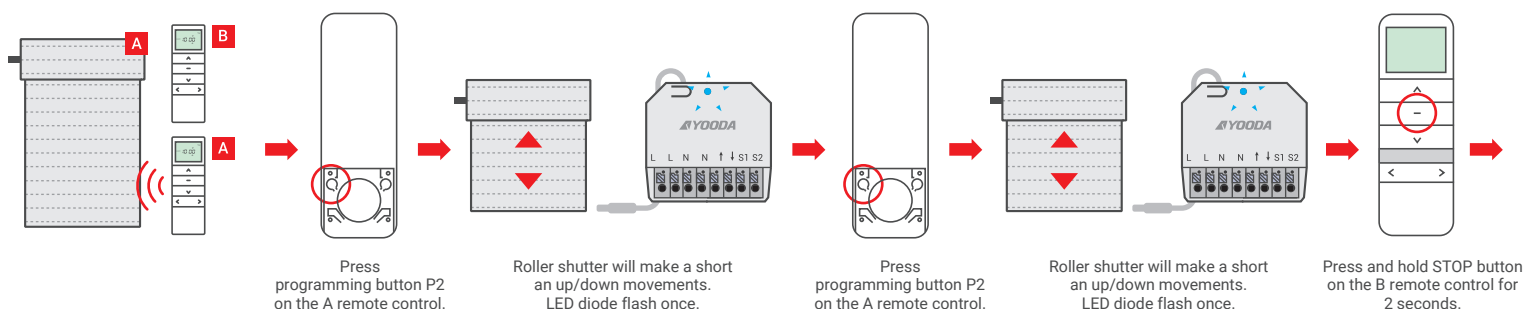


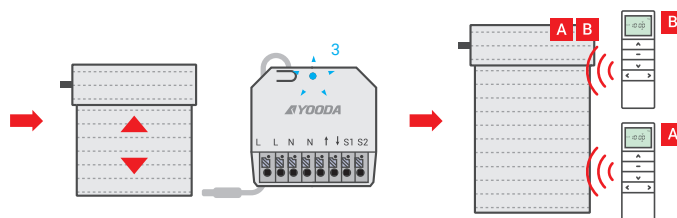
1. The receiver can be controlled by a maximum of 10 transmitters.
2. Longer than 10 seconds pause between series of button clicks during programming will cause device to switch off from programming mode without saving any changes.

METHOD 1:



METHOD 2:





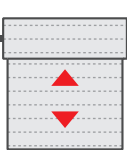
Roller shutter will make 2 short movements.
LED diode will flash 3 times.

B remote control
has been programmed.

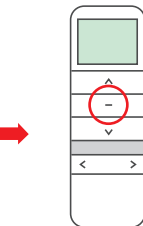
METHOD 3:



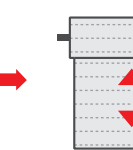
Press and hold
programming button on the
control unit for 2 seconds.



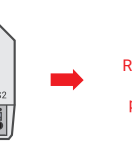
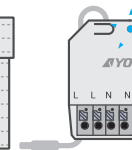
Roller shutter will make a short
an up/down movements.
LED diode flash once.



Press and hold STOP button
on the remote control
for 2 seconds.



Roller shutter will make 2 short movements.
LED diode will flash 3 times.

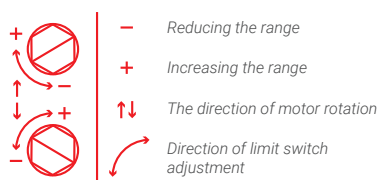


Remote control
has been
programmed.

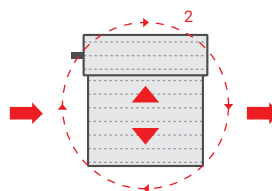
7. Programming limit positions



In order to percentage control the opening or closing of the roller shutter by mobile application, it is necessary to set the limit positions.



By means of knobs on the motor head
we set the limit positions of the S series motor.



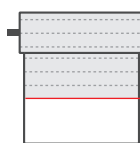
We perform two full cycles
of closing and opening the
roller shutter.

The limit positions have
been programmed.

8. Programming the third limit position

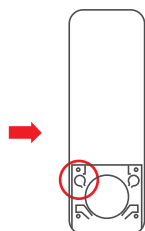


1. After setting the upper and lower limit positions, it is possible to set the third position (favorite) between those positions.
2. Hold the STOP button for 3 seconds to set the roller shutter in third limit position.

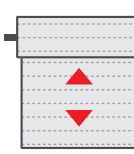


An example of the
third limit position

Set the roller shutter in the
third limit position.



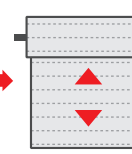
Press P2
programming button.



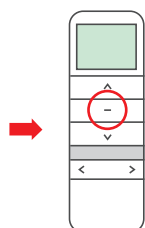
Roller shutter will make a short an up/down
movements. LED diode flash once.



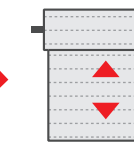
Press
STOP button.



Roller shutter will make a short an up/down
movements. LED diode flash once.



Press
STOP button.

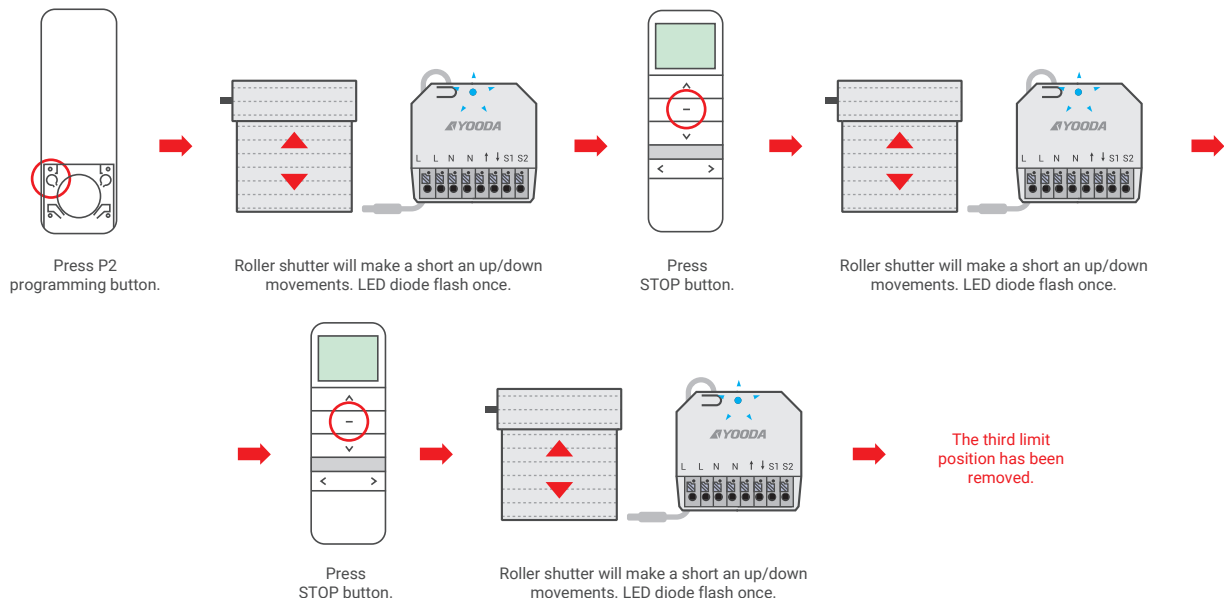


Roller shutter will make 2 short movements.
LED diode will flash 3 times.



The third limit
position has been
programmed.

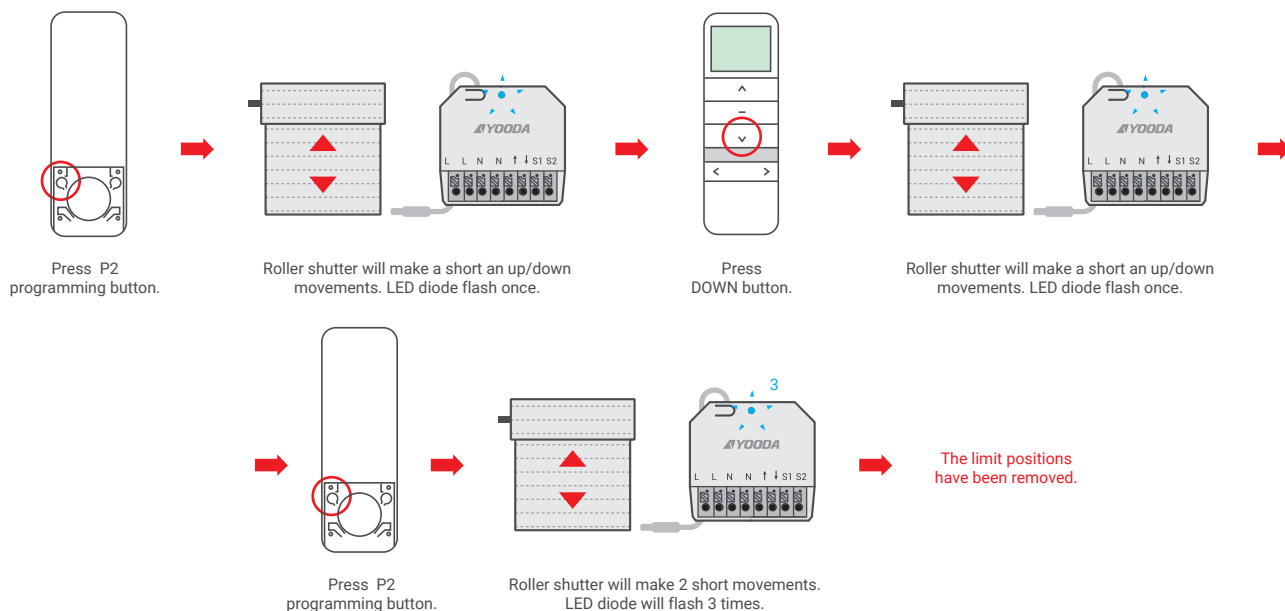
9. Deleting the third limit position



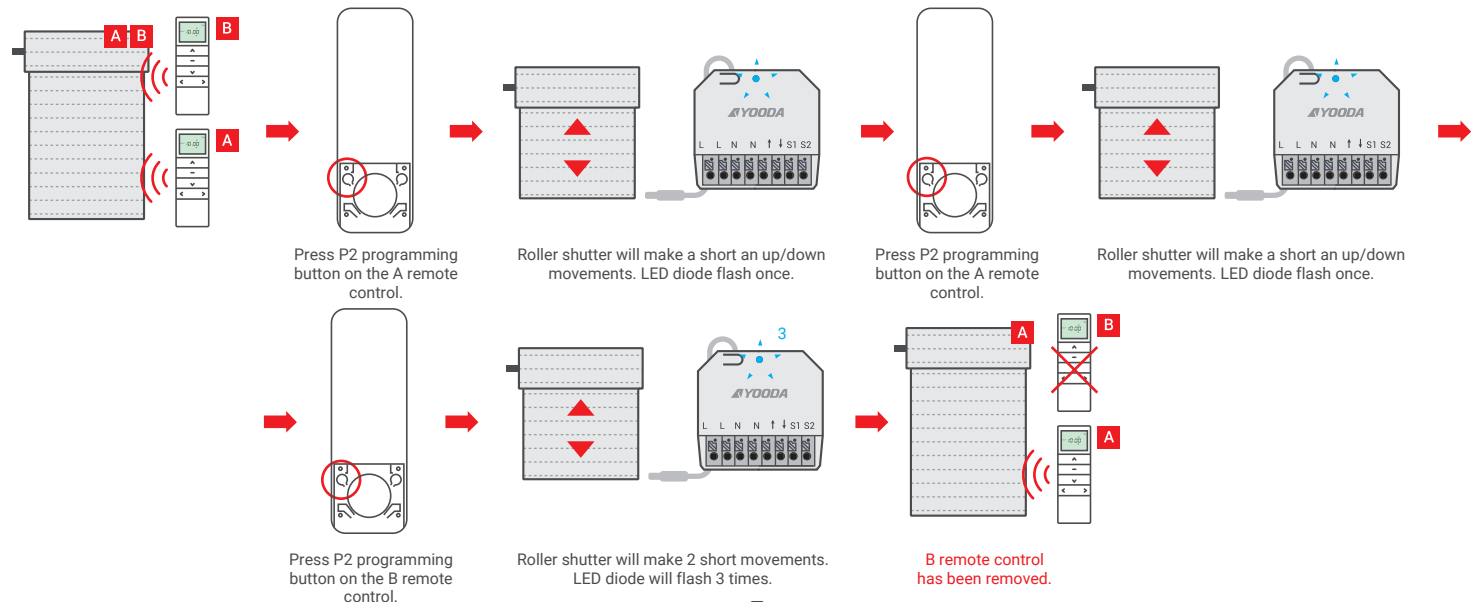
10. Deleting the limit positions



The following procedure removes the limit positions of the control unit together with the third limit position.



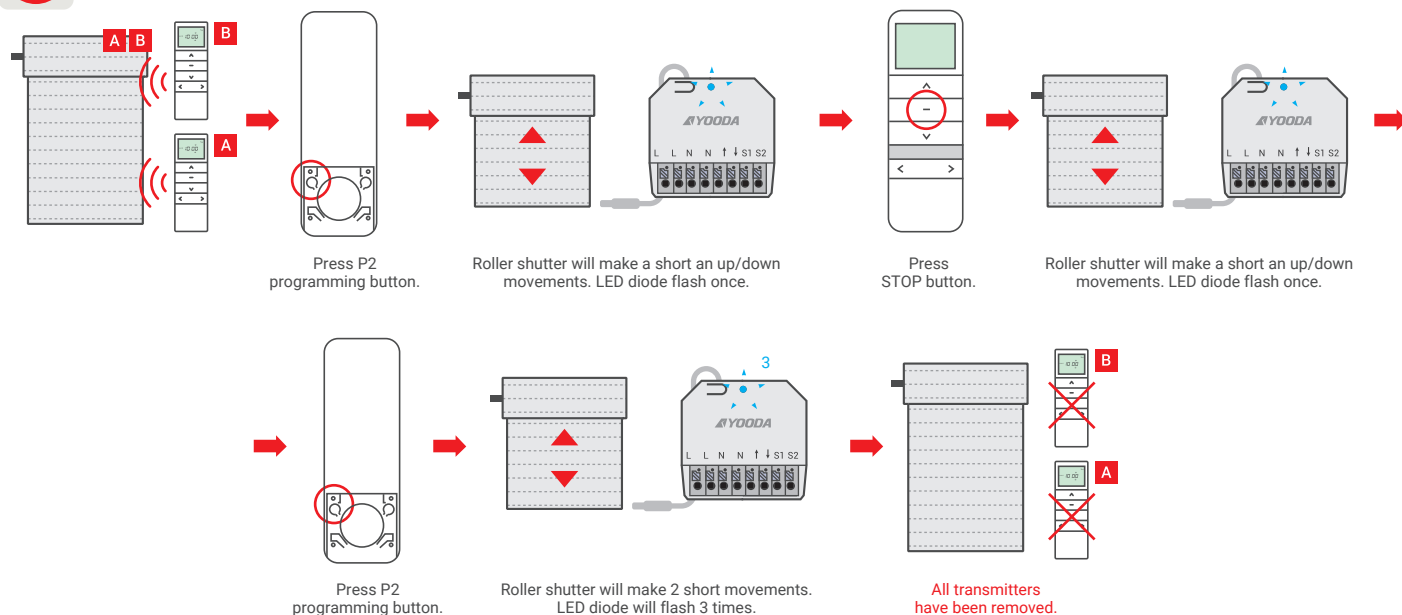
11. Deleting the transmitter



12. Deleting all transmitters



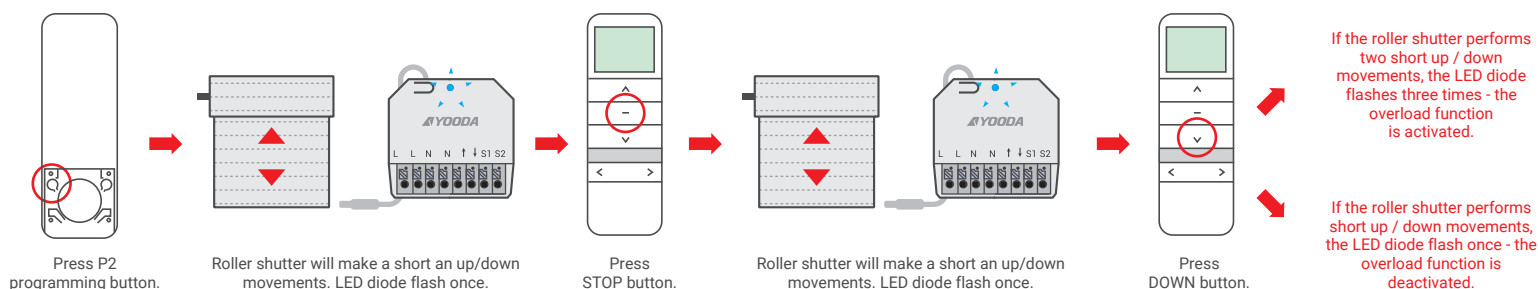
Deleting all transmitters does not delete the limit positions.



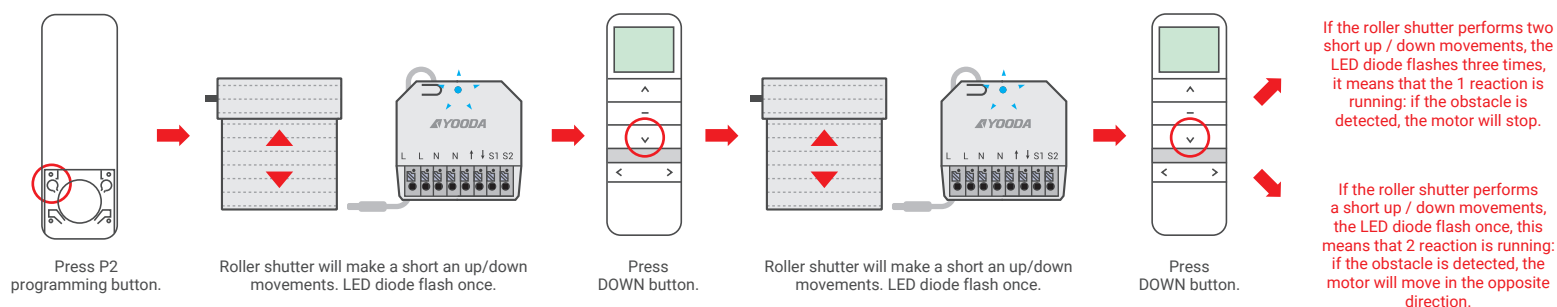
13. Activation of the overload function



The overload function is not active for 2 seconds after starting the motor. By default, the overload function is disabled.



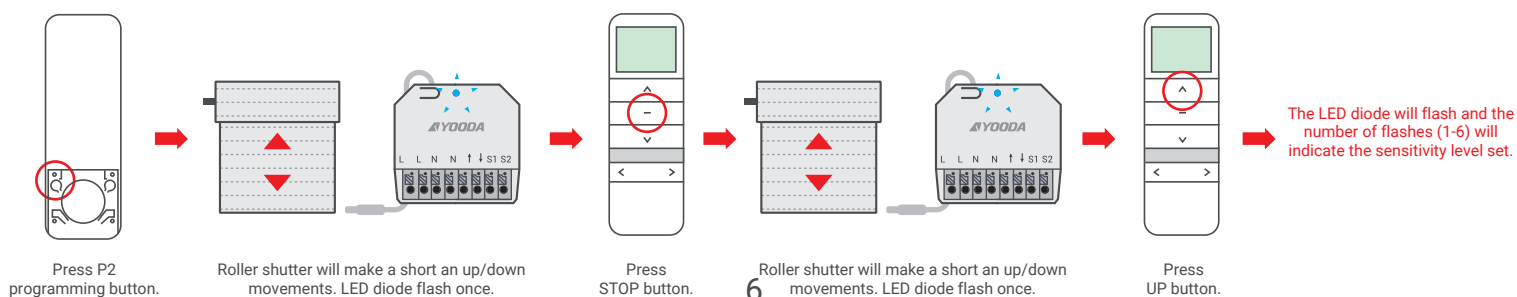
14. Motor reaction to overload



15. Regulation sensitivity of the overload



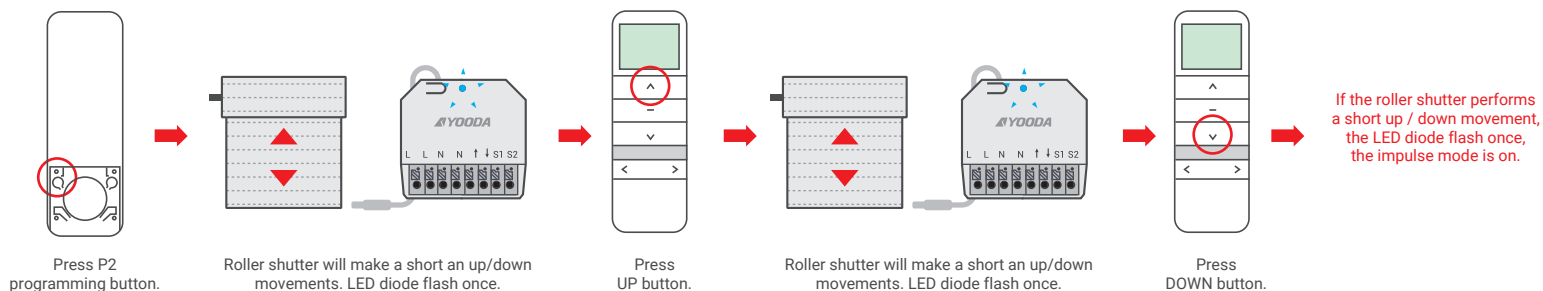
1. The control unit has a six-level scale for overload regulation. Stage 1 means the most sensitive overload and stage 6 the least sensitive overload.
2. By default, the second sensitivity level is set.



16. Activating impulse mode



1. Activation of the impulse mode is possible after programming the limit positions.
2. Impulse mode is on, when you press direction button on the remote control and the motor make a short move.



17. Switch configuration



The control unit can work in one of four switch modes.

I MODE - ASTABLE SWITCH FOR ROLLER SHUTTER:

A short press of the UP or DOWN button causes movement of the roller shutter. Pressing the button again - stops the roller shutter.

II MODE - STABLE SWITCH FOR ROLLER SHUTTER:

Pressing the UP or DOWN button causes movement of the roller shutter. Releasing the button - stops it.

III MODE - ASTABLE SWITCH:

A short press of the UP or DOWN causes movement of the roller shutter. Simultaneously pressing the UP and DOWN buttons - stops it.

In the impulse mode, briefly pressing the UP or DOWN button causes the roller shutter to move briefly. Holding the UP or DOWN button for more than 2 seconds results in continuous roller shutter movement, pressing the button again stops it.

IV MODE - IMPULSE SWITCH:

In this mode, the switch operates in step-by-step mode. Pressing the button causes the roller shutter to move upwards, pressing it again stops the roller shutter, and the next pressing of the button causes the roller shutter to move towards DOWN.

18. Change of switch working modes

