DE Rollladenantrieb RolTop-868/-915

GB RolTop-868/-915 roller shutter drive

FR Moteur pour volets roulants RolTop-868/-915

Keep these instructions in a safe place!

After installation of the tubular drive attach these instructions to the cable for the electrician.

Device functions:

- Blind protection (torque limiting)
- Commissioning of the drive using assembly cable or radio transmitter

As-delivered condition (commissioning mode)

- Setting end positions

Warning!

Important safety instructions!
Observe the following instructions.

Risk of injury due to electrocution.
The connections to the 230 V mains **must** be made by authorised specialist personnel.

Check the system (roller shutter) regularly for wear or damage.

The regulations of the local energy supply company as well as the regulations for wet and damp rooms according to VDE 0100 must be followed when making the connections.

Only use unmodified original **elero** electrical parts.

Keep people away from the system until it is stationary.

When working on the system (servicing, cleaning windows etc.), always disconnect it from the mains supply.

Intended use

- Please ensure that the radio installations are not operated in areas of increased possible interference. (e.g. hospitals, airports ...).
- The radio control is only permitted for devices and units with which a functional interference in hand-held/wall-mounted transmitters or receivers poses no danger for persons, animals or materials or where this risk is covered by other safety appliances.
- The operator has no protection whatsoever from interferences by other radio emitters and local terminals (e.g. also from radio installations), that are normally used on the same frequency range.
- Only use radio receivers with equipment and units approved by the manufacturer.

Optimal use of the radio signal

- Do not bend the antenna.
- Do not shorten or extend the antenna.
- If reception is poor, adjust the antenna.
- Install the antenna so that it is as exposed as possible.
- The minimum distance betweeen two radio-controlled drives must be at least 15 cm.

Check the following before installation:

- The drive is only capable of operation as installed.
- Only perform connecting work with the power turned off.
- The blind must be attached to the winding shaft.
- The profile tube must have sufficient clearance from the motor tube.
- Make sure there is sufficient axial play (1–2 mm)

Installation in profile tubes

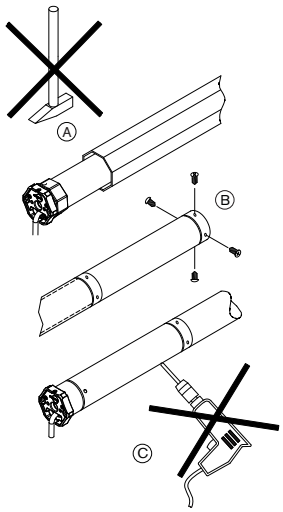
Ⓐ Push drive with relevant adapter and limit switch into the profile tube.

Protect the motor cable in order to avoid it brushing against the roller shutter. Avoid kinking the cable.

Ⓑ Secure the counterpart support to prevent axial movement, e.g. screw or rivet on idler.

Secure the drive axially in the support.

Ⓒ Attach the blind to the shaft!



Warning!

Risk of injury due to electrocution.

Do not drill in the area of the motor!

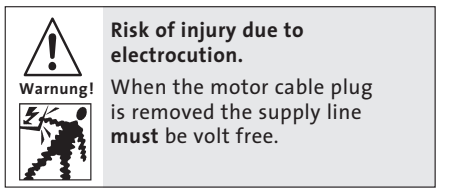
Installation

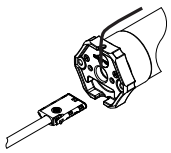
Warning!

Observe the following installation instructions!

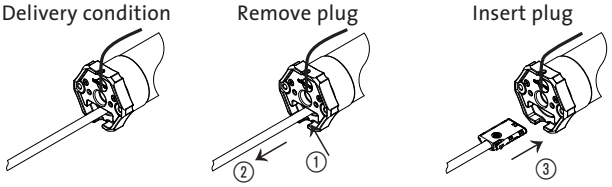
- The drive must be fixed in such a way that it does not endanger personnel.
- Before installing the drive, all lines and equipment, which are not required for operation, must be removed from the site.
- During installation, during operation and when work is carried out on the system, the option to separate all three poles from the mains must always exist (Hirschmann connector and Hirschmann coupling or a two-pole switch with minimum 3 mm contact gap or all-pole main switch).
- If the drive is controlled by a switch with OFF pre-setting (dead man's button), the momentary contact switch must be fitted at a height of more than 1.50 m and separated from the moving parts. The travel range of the systems must always be visible during operation.
- Moving parts in a drive, which are below 2.5 m, must be guarded.
- Set torque and set operating time must be adapted to the requirements of the product which is driven.
- Please note the technical data on the type plate.
- Please note that with this drive (Typ M drives) the smallest inner tube diameters corresponds with 46 mm.
- The drive must be installed so that it cannot get wet.
- Do not install drives in surroundings which are at risk of explosion or in mobile appliances (e.g. motor vehicles).
- Keep children away from the (remote) control unit.

Remove of the motor cable plug





Delivery condition | Remove plug | Insert plug



Remove the motor cable plug

Switch off voltage supply.

1. Press locking mechanism on the plug towards the cable using a screwdriver.
2. Pull out the plug.

Insert the motor cable plug

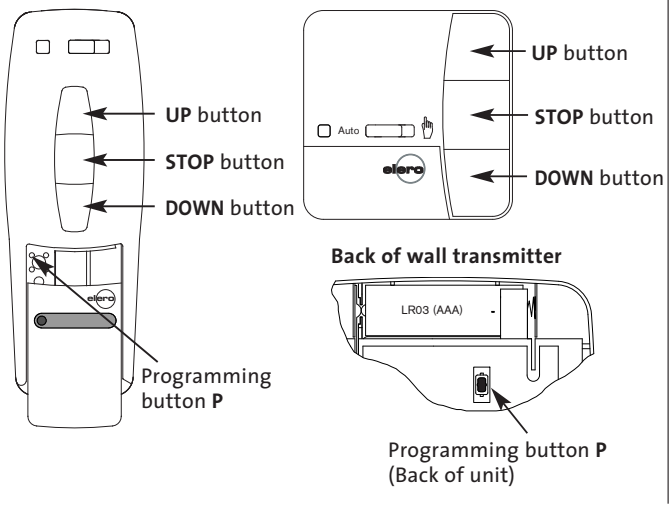
3. Switch off voltage supply. Insert plug until locking mechanism engages.

Types of installation

Different types of installation are possible:

Type of installation	Possible with
1. Upper/lower limit position freely programmable	T-strap, tapes, belt
2. Fixed upper stop lower stop freely adjustable	T-strap, tapes, belt, limit plugs, angle bracket
3. Fixed upper and lower stop	Anti push-up device, limit plugs, angle bracket
4. Upper limit position freely programmable fixed lower limit stop	Anti push-up device

Explanation of ProLine momentary contact switches Manual/wall transmitter



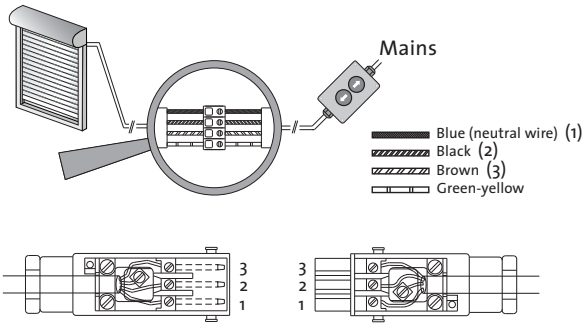
Start up

Note: The drive is in commissioning mode when the roller shutters are delivered.

Assembly cable connection

(only permissible for commissioning or setting procedures)

1.



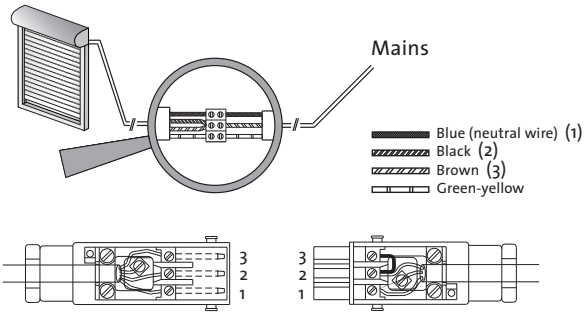
2. Switch on mains.

You can now set the limit positions with the assembly cable.

Please note: Each movement which is interrupted by a short stop places the drive in setting mode.

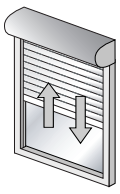
Radio connection (transmitter operation)

1.



2. Switch on mains.

Only at commissioning



3. The drive travels upwards and downwards for a short time.

The motor is in radio mode.

You can now programme the transmitter.

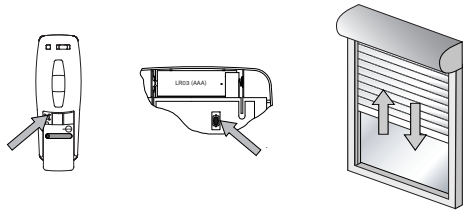
GB

Program the transmitter

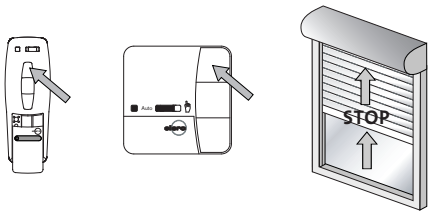
Condition: The drive is in radio mode.
The limit positions must have been programmed.
If the limit positions have not been programmed, remove the blind from the shaft.

1. Switch off/on mains

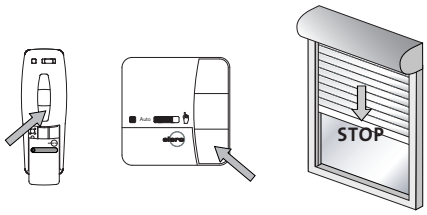
When the mains has been switched off for a short time, the drive is ready to learn for 5 minutes.



2. Press programming switch **P** on your transmitter.
The drive runs up and down for 2 minutes.



3. Press the **UP** button **immediately** after the start of upward travel.



4. Press the **DOWN** button **immediately** after the start of downward travel.
The drive will stop.
The transmitter is now programmed.

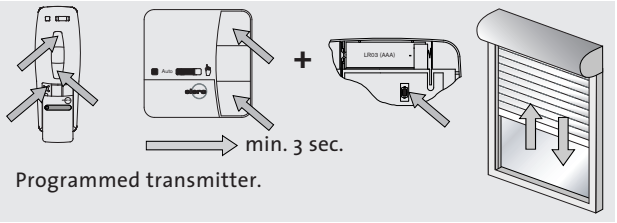
Programming procedure for other transmitters

Teach-in procedure possible for max. 16 transmitters.

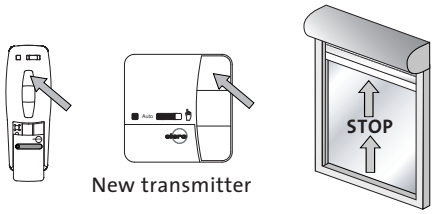
In order to programme further transmitters, start with the new transmitter at 1

or

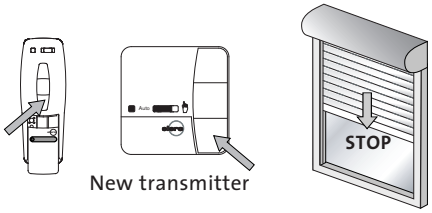
1. Switch off/on mains.



2. Press simultaneously:
UP and **DOWN** buttons and programming **P** on the programmed transmitter for min. 3 sec.
The drive runs up and down for 2 minutes.



3. Press the **UP** button **immediately** after the start of upward travel.



4. Press the **DOWN** button **immediately** after the start of downward travel.
The drive will stop.
The transmitter is now programmed.

Stopping the radio teach-in mode

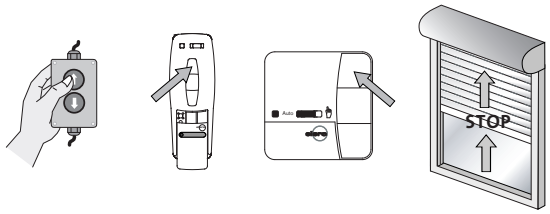
→ see transmitter instructions

Note: The blind protection system is only adapted to the blind after a complete, uninterupted upwards and downwards travel.

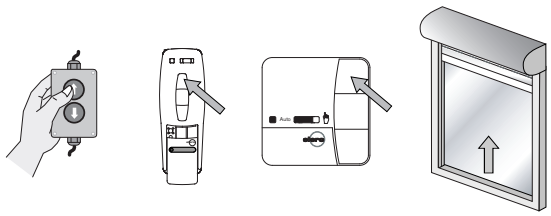
End position setting
Installation Method 1: Upper/lower limit position freely programmable

Installation Method 1: Upper/lower limit position freely programmable

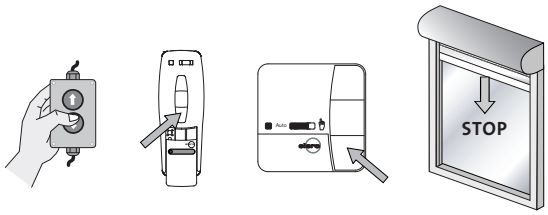
Note: Ensure that the equipment is correctly connected. (Assembly cable or transmitter mode)



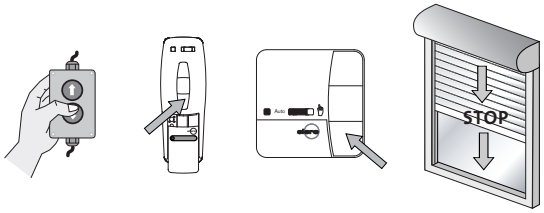
1. Move the blind up to approx. 5 cm before the desired upper limit stop.
   (The drive starts up with a short STOP and then gets faster.)



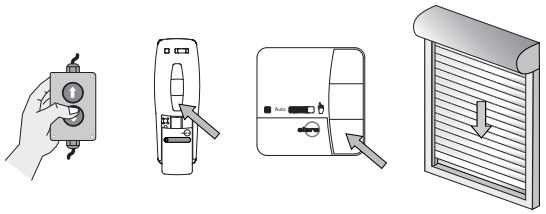
2. Press the **UP** momentary contact switch again.
   Go to the desired upper end position.
   It is possible to make corrections using the momentary contact switches.



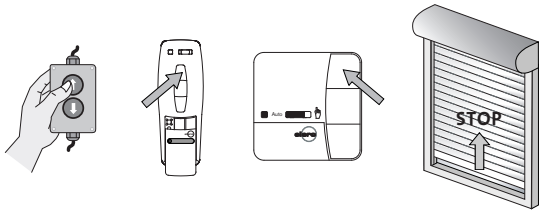
3. Press the **DOWN** momentary contact switch until the drive stops automatically.
   The upper limit stop is programmed.



4. Press the **DOWN** momentary contact switch again.
   Move the blind down until it is a short distance above the desired lower limit stop.
   (The drive starts up with a short STOP and then gets faster.)



5. Travel to the desired lower limit stop.
   It is possible to make corrections using the momentary contact switches.

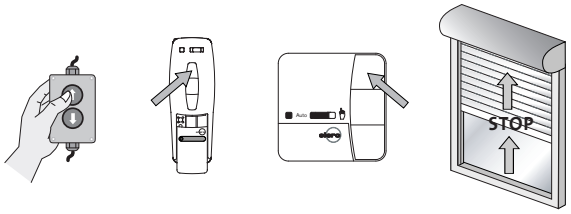


6. Press the **UP** momentary contact switch until the drive stops automatically.
   The lower limit has been set.

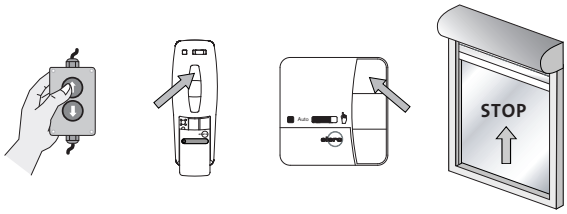
Setting of the end positions is now complete.

Installation Method 2: Fixed upper stop/lower stop freely adjustable

Note: Ensure that the equipment is correctly connected. (Assembly cable or transmitter mode)

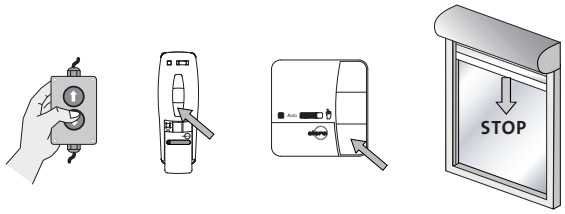


1. Move the blind up to approx. 5 cm before the upper limit stop. (The drive starts up with a short STOP and then gets faster.)

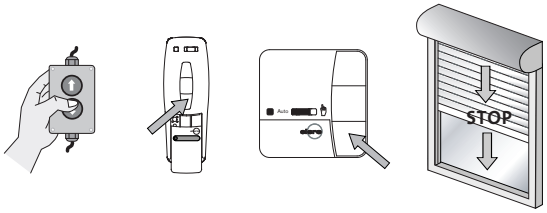


2. Press the **UP** momentary contact switch again. Approach the upper limit stop.

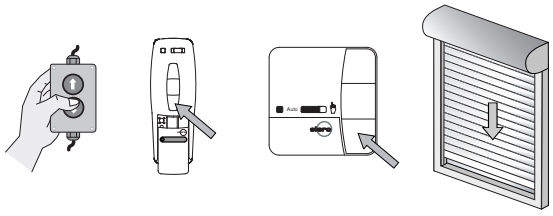
   The drive switches off automatically when it reaches the limit stop.



3. Press the **DOWN** momentary contact switch until the drive stops automatically. The upper limit stop is programmed.

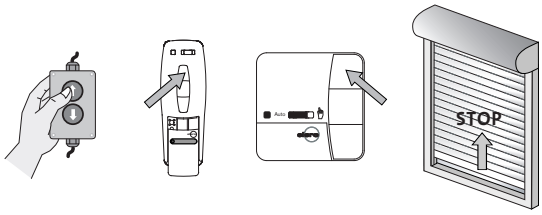


4. Press the **DOWN** momentary contact switch again. Move the blind down until it is a short distance above the desired lower limit stop. (The drive starts up with a short STOP and then gets faster.)



5. Travel to the desired lower limit stop.

   It is possible to make corrections using the momentary contact switches.



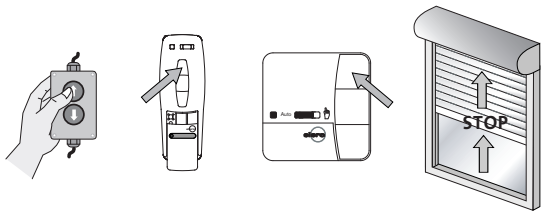
6. Press the **UP** momentary contact switch until the drive stops automatically. The lower limit has been set.

Setting of the end positions is now complete.

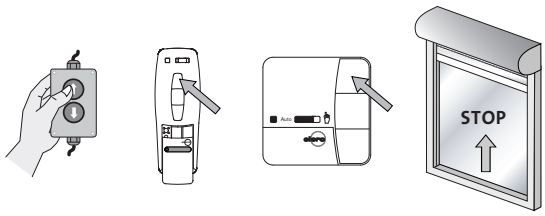
End position setting
Installation Method 3: Fixed upper and lower stop

Installation Method 3: Fixed upper and lower stop

Note: Ensure that the equipment is correctly connected. (Assembly cable or transmitter mode)

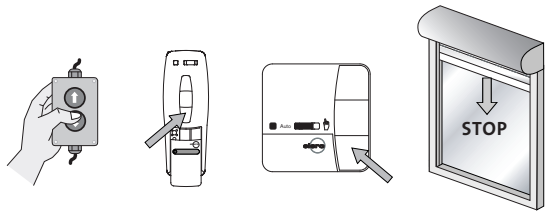


1. Move the blind up to approx. 5 cm before the upper limit stop. (The drive starts up with a short STOP and then gets faster.)

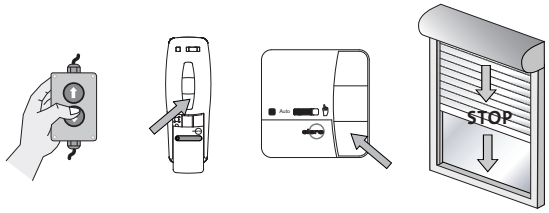


2. Press the **UP** momentary contact switch again. Approach the upper limit stop.

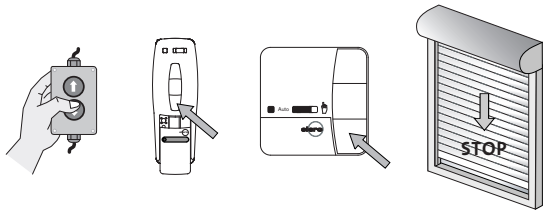
   The drive switches off automatically when it reaches the limit stop.



3. Press the **DOWN** momentary contact switch until the drive stops automatically. The upper limit stop is programmed.

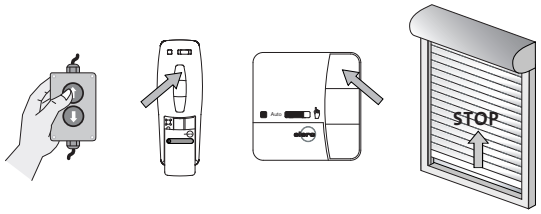


4. Press the **DOWN** momentary contact switch again. Run the blind until shortly before the lower limit stop. The drive starts up with a short STOP and then gets faster.



5. Approach the lower limit stop.

   The drive switches off automatically when it reaches the limit stop.

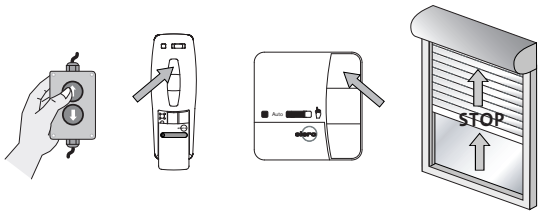


6. Press the **UP** momentary contact switch until the drive stops automatically. The lower limit has been set.

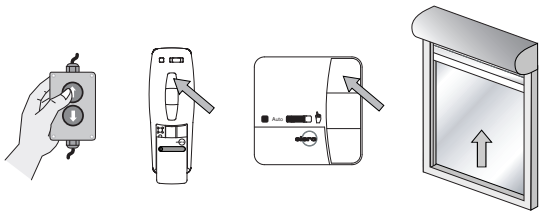
Setting of the end positions is now complete.

Installation Method 4: Upper stop freely adjustable/ fixed lower stop

Note: Ensure that the equipment is correctly connected. (Assembly cable or transmitter mode)

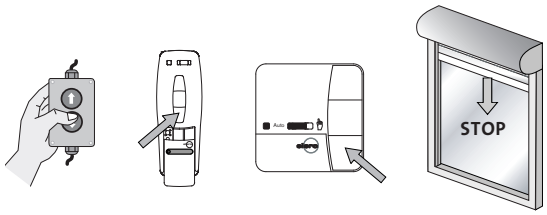


1. Move the blind up to approx. 5 cm before the desired upper limit stop.
   (The drive starts up with a short STOP and then gets faster.)

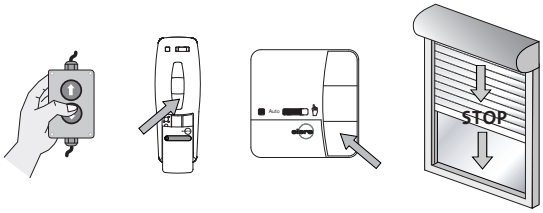


2. Press the **UP** momentary contact switch again.
   Go to the desired upper end position.

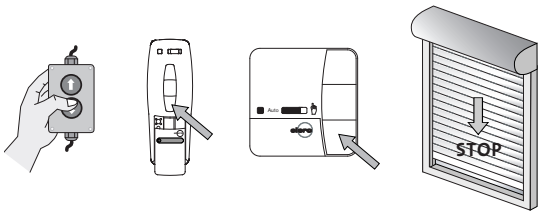
   It is possible to make corrections using the momentary contact switches.



3. Press the **DOWN** momentary contact switch until the drive stops automatically.
   The upper limit stop is programmed.

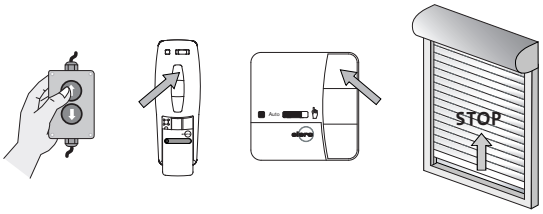


4. Press the **DOWN** momentary contact switch again.
   Run the blind until shortly before the lower limit stop.
   (The drive starts up with a short STOP and then gets faster.)



5. Approach the lower limit stop.

   The drive switches off automatically when it reaches the limit stop.



6. Press the **UP** momentary contact switch until the drive stops automatically.
   The lower limit has been set.

Setting of the end positions is now complete.

Approach intermediate position
→ see transmitter instructions

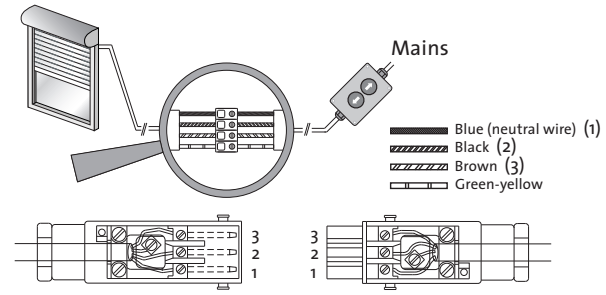
Approach airing position
→ see transmitter instructions

Delete intermediate position
→ see transmitter instructions

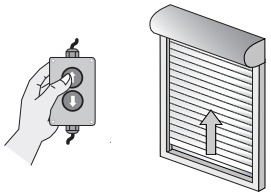
Delete airing position
→ see transmitter instructions

Changing/Deleting the limit positions
Notes on troubleshooting

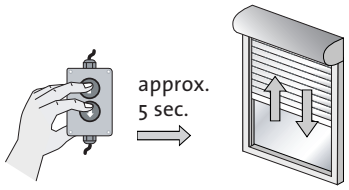
Changing/Deleting the limit positions using the assembly cable



1. Switch on mains.



2. Move the blind to an intermediate position.
   The drive is ready for the programme to be deleted.

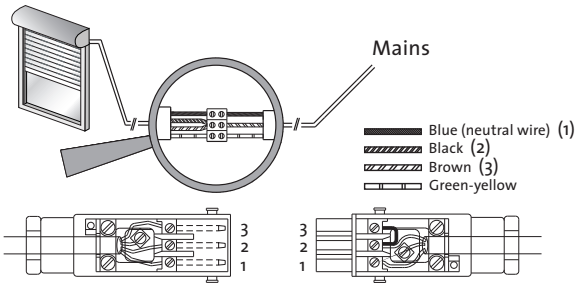


3. Press both momentary contact switches on the assembly cable **simultaneously**.
   The drive travels up and down briefly after approx. 5 seconds.

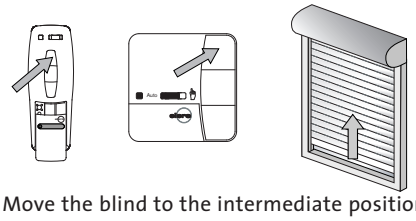
   Deletion of the limit positions is complete.

   You can now re-programme the limit positions.

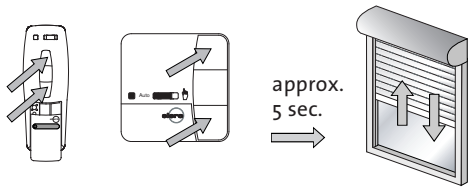
Changing/Deleting the limit stops using the radio transmitter



1. Switch off/on mains.
   After the mains has been switched off for a short time, the drive is ready to be deleted for approx. 5 minutes.



2. Move the blind to the intermediate position.



3. Press **UP** and **DOWN simultaneously**.
   The drive travels up and down briefly after approx. 5 seconds.

   Deletion of the limit positions is complete.
   You can now re-programme the limit positions.

Deletion of individual transmitters
→ see instructions for the control unit

Deletion of all transmitters
→ see instructions for the control unit

Troubleshooting

Fault	Possible cause	Remedy
• Radio teach-in mode does not start	• Faulty connection • Drive not connected to mains • Time frame already expired (5 min) • Thermostat has triggered • radio transmitter has no battery	• Check connection • Check mains voltage • Interrupt mains voltage briefly • Allow drive to cool down • Check transmitter (LED must be illuminated)
• Radio transmitter not in teach-in mode	• UP/DOWN momentary contact switches pressed too late. Note time frame (1 sec.) • Transmitter is already programmed	• Restart radio teach-in mode • Push STOP momentary contact switch
• Drive runs only in one direction	• Faulty connection	• Check connection
• Does not react to double momentary contact switch operation on radio transmitter	• Time frame already run out when mains power returns (5 Min.) • Drive not connected to mains • Transmitter is not programmed	• Interrupt power supply briefly • Check mains connection • Program the transmitter
• Drive is no longer reacting	• Thermostat has triggered	• Allow drive to cool down
• Drive stops during travel	• Limit positions are not set	• Set limit position
• Drive does not learn in limit positions	• Random travel • Travel to limit position/stop too short	• Delete limit positions Re-programme limit positions • Drive has to travel to short STOP

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