GB Awning drive CSM-868

Device functions:

- Electronic limit switch-off and integrated radio receiver.
- **The drive is supplied in programming mode.**
- The drives can be put into operation in two ways.
  - Assembly cable
  - Teach-in" programmed radio transmitter.
- After storing the end position the drive travels with reduced torque to the upper stop and unloads the awning fabric with a short countermovement.

Warning!

Important safety advices!
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 (awning) 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), always separate it from the mains supply.

Intended use

- Please ensure that the radio installations are not operated in areas of heightened 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.

Check the following before fitting:

- The drive is only capable of operation as installed.
- The awning requires a fixed upper limit stop.
- Only perform connecting work with the power turned off.
- Do not drill in the area of the tube motor!
- Do not connect motor plug with mains on.

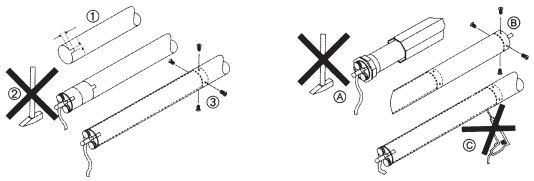
Assembly

Warning!

Observe the following installation instructions!

- The drive must be fixed in such a way that it is not a danger to 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 pushbutton 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.
- For drives supplied without a driven part the design torque and the design operating time must agree with the properties of the driven parts. Please note the technical data on the type plate.
- Please note that with this drive (type 8, 9 and 11 tube motors) the smallest internal tube diameter corresponds with 36 mm, 47 mm and 60 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).
- In the case of awnings it is essential to ensure that a horizontal safety distance of >0.4 m is left between the fully-unrolled awning and a fixed object.
- Keep children away from the (remote) control unit.
- Note the advice in the controller documentation.

Shaft assembly

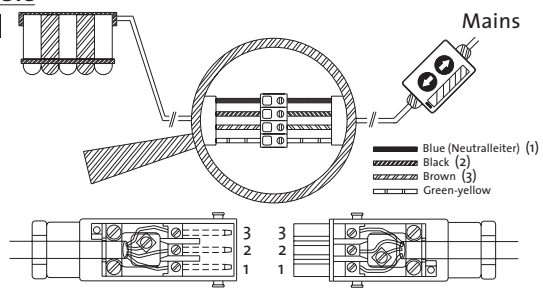


Secure the abutment against axial shifting by riveting or bolting the cross member.

Adjustment instructions

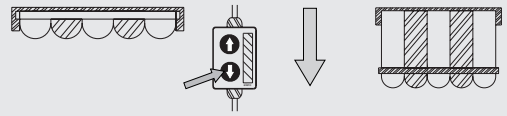
Programming/adjusting the end positions with assembly cable

1.



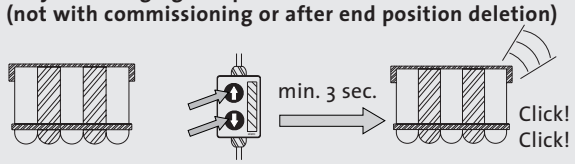
2. **Switch on mains**

3.



Only for changing end positions
(not with commissioning or after end position deletion)

4.



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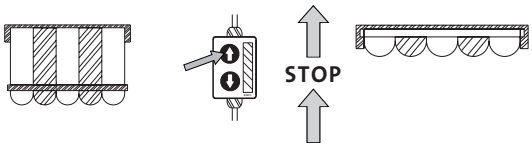
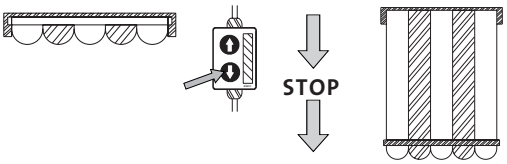
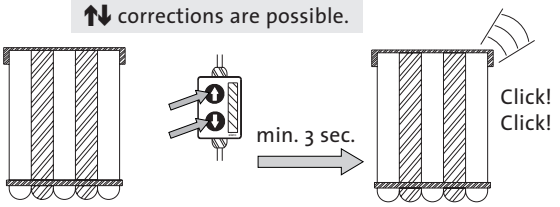


6.



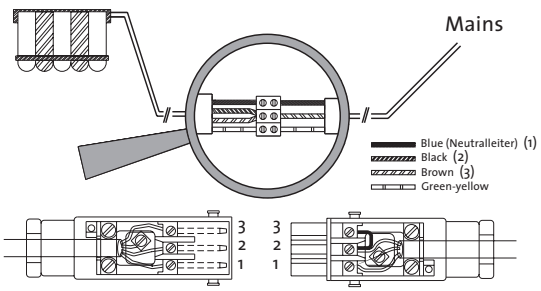
↑↓ corrections are possible.

7.



Connection of radio operation

1.



2. **Switch on mains**

Only with commissioning or after running with the assembly cable

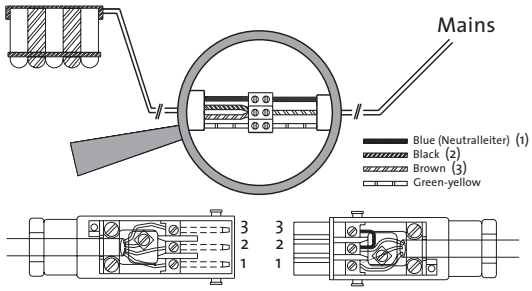
3.

4. **Motor is in radio operation**

Teach-in transmitter

Advice: Explanation of transmitter keys is on the back.

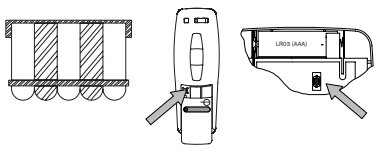
1.



2. **Switch off/on mains**

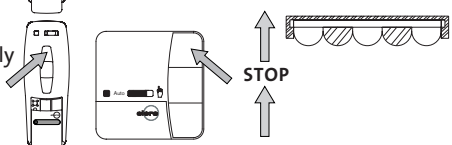
The drive has now been ready to teach-in for 5 minutes.

3.

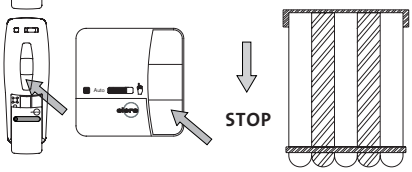


Awning runs up and down for 2 minutes.

4. Press the **"UP"** key immediately after the start of upward travel.



5. Press the **"DOWN"** key immediately after the start of downward travel.



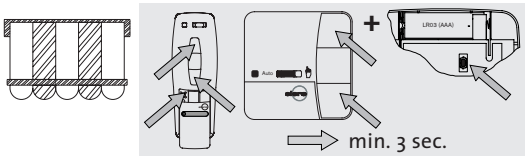
Teach-in procedure finished for transmitter.

Teach-in procedure for other transmitters

Teach-in procedure possible for max. 16 transmitters.

In order to "teach-in" other transmitters, start with new transmitter at **2.**.

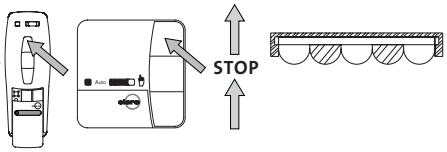
or



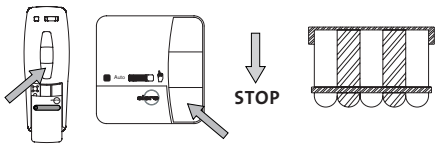
Awning runs up and down for 2 minutes.

"Teach-in" programmed transmitter.

4. Press the **"UP"** key immediately after the start of upward travel.



5. **Press the "DOWN"** key immediately after the start of downward travel.



Teach-in procedure finished for transmitter.

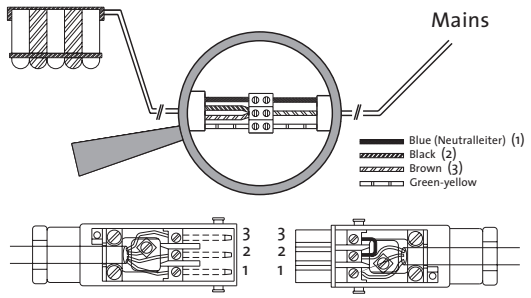
Stopping the radio teach-in mode

→ see transmitter instructions

Adjustment instructions

Programming/adjusting the end positions with radio transmitter

1.

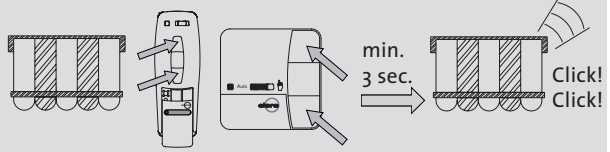


2. **Switch off/on mains**

The drive has now been ready for programming for 5 minutes.

Only for changing end positions
(not with commissioning or after end position deletion)

3.



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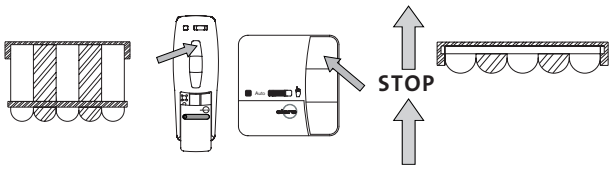

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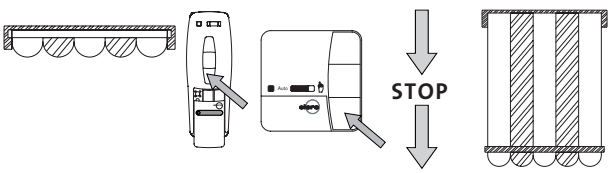
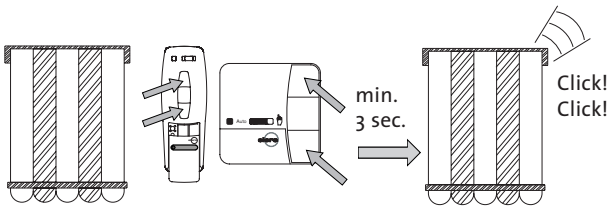


↑↓ corrections are possible.

6.



Program mid-position UP
→ see transmitter instructions

Program mid-position DOWN
→ see transmitter instructions

Approach mid-position UP
→ see transmitter instructions

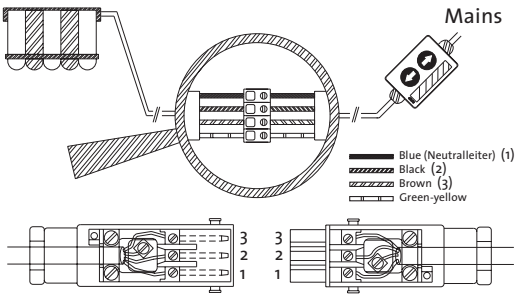
Approach mid-position DOWN
→ see transmitter instructions

Delete mid-position UP
→ see transmitter instructions

Delete mid-position DOWN
→ see transmitter instructions

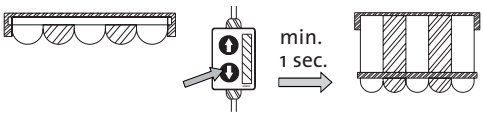
Deletion of the end positions with assembly cable

1.

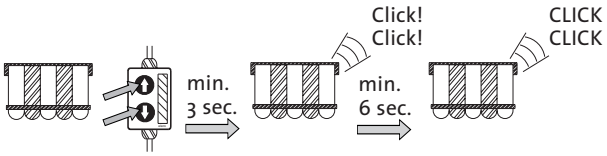


2. **Switch on mains**

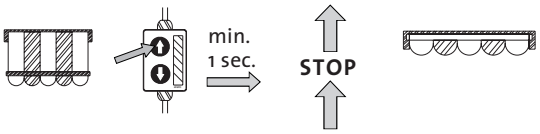
3.



4.



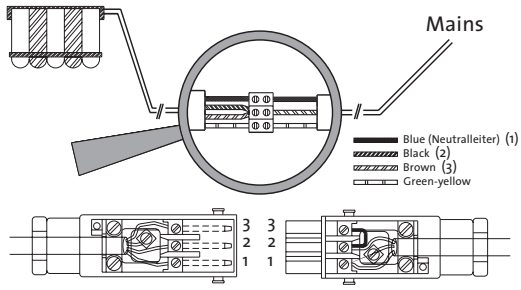
5.



6. **End positions are deleted.**

Deletion of the end positions with radio control

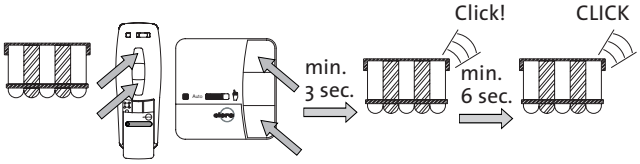
1.



2. **Switch off/on mains**

The drive has now been ready for programming for 5 minutes.

4.



5. **End positions are deleted.**

Deletion of individual transmitters
→ see transmitter instructions

Deletion of all transmitters
→ see transmitter instructions

Adjustment instructions

Fault	Possible cause	Trouble shooting
• Radio teach-in mode does not start	• Faulty connection • Timer frame already expired (5 min) • Thermostat has triggered • Transmitter has no battery	• Check connection • Interrupt mains voltage briefly • Allow drive to cool down • Check transmitter (LED must be illuminated)
• Transmitter not in teach-in mode	• UP/DOWN button pressed too late. Note timer frame (1 sec.)	• Restart radio teach-in mode
• Drive stops briefly while running	• Drive is in programming mode	• Program drive
• Drive runs brief distance only	• Shaft not driving pulling ring	• Set correctly and reprogram the drive if necessary
• Drive not reacting to double button pressure with radio transmitter	• Timer frame has already expired again after mains return (5 min) • Drive not on mains voltage	• Interrupt power supply briefly • Check mains connection
• End position gradually changing	• No approach to reference point for a long time	• Shut down the unit (approach to reference point)
• Not possible to program end position	• Drive is not in programming mode • The upper reference point not reached	• Program drive again • Approach reference point
• Drive is no longer reacting	• Thermostat has triggered	• Allow drive to cool down