



## Eltako ESB62NP IP Shading Actuator Instruction Manual

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**Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock**

**Temperature at mounting location:** -20°C up to +50°C.

**Storage temperature:** -25°C up to +70°C.

**Relative humidity:** annual average value <75%

**Eltako Connect App download:**



**Shading actuator 1+1 NO contact 4 A/250 V AC, not potential, for a shading element motor 110-240 V AC. Only 0.8 watt standby loss.**

For installation. 49 x 51 mm, 25 mm deep.

**The terminals are plug-in terminals for conductor cross-sections of 0.2 mm<sup>2</sup> to 2.5 mm<sup>2</sup>.**

**Zero passage switching** to protect contacts. Supply, switching and control voltage locally 110-240 V.

In case of a power failure the system is disconnected in a preset sequence.

**State-of-the-art hybrid technology combines advantages of nonwearing electronic control with high capacity of special relays.**

With control input for a conventional 110-240 V control button that may be installed in front of it. Glow lamp current is not permitted.

This actuator is Apple-certified and can therefore be taught-in in Apple Home. The functionality of the switching inputs can be set using the Eltako Connect app:

- **Automatic (GS, factory setting):** One push of a button starts the motor. Another press of the button or the end position stops the motor.
- **Manual (GR):** The motor runs as long as a button is pressed or the end position is reached. Releasing the button stops the motor.

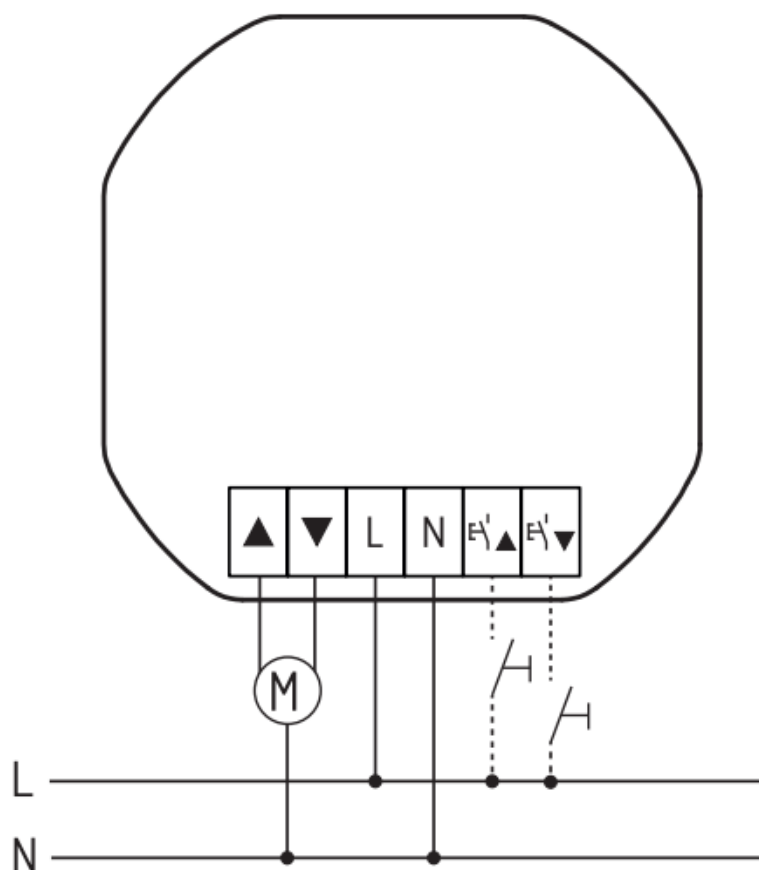
Two (direction) buttons can be connected to the inputs in order to drive the motor in a specific direction.

Alternatively, an universal button can be used that controls both bridged inputs. In this case, the direction is changed with each press

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## Typical connection



For operation via Apple Home app, make sure that the UP and DOWN directions are connected correctly. These must not be interchanged.

#### Add device to Apple Home:

- Only 2.4 GHz Wi-Fi frequency bands are supported.
  - Recommended: Commissioning close to the main router.
2. Apply mains voltage and wait for the signal tone.
  3. Wait 15 seconds until all modules have started.
  4. Open the Apple Home app.
  5. In the upper right corner press the '+' symbol and select 'Add device'.
  6. Scan the Apple Home QR code. It can be found on the back of the device and on the QR code card in the packaging.
  7. The Apple Home app will guide you through the remaining steps.

#### Important!

After a successful connection, an update is automatically searched for, installed and the device restarts.

#### Automatic setting of the end positions:

For operation via Apple Home app, the total runtime of the shading actuator must be determined. The shading actuator determines this running time independently with each movement from the lower to the upper end position.

After commissioning, such a drive should be carried out from below upwards without interruption.

#### Manual setting of the end positions:

For the manual setting of the end positions, the connection to the Eltako Connect app must be established. Scan the QR code on the operating instructions and switch to manual under the runtime menu.

**Factory reset:**

3 short and 3 long beeps will beep to confirm the reset:

**Option 1:**

Via the Eltako Connect app.

**Option 2:**

1. Apply supply voltage (time window of 5 minutes begins)
2. Connected switch/button: press 8x briefly (< 1 sec.) and 1x long (> 1.5 sec. and < 5 sec.).

A signal tone sounds for the last two short closing actions.

The reset confirmation beeps are delayed by 15 seconds with this option.

! Outside of the time window, the device is simply restarted !

**Option 3:**

1. The device is disconnected from the supply voltage.
2. Apply supply voltage, wait for the signal tone and disconnect the supply voltage within 5 seconds.
3. Repeat step 2 a total of 5 times.
4. The sixth time the supply voltage is switched on, the successful factory reset is confirmed by 3 short and 3 long beeps.

**Over-the-Air (OTA) Firmware Updates:**

- If the device is connected to the Internet, it will immediately search for possible updates.  
Updates are then requested cyclically every 12 hours.
- Data transfer between the Eltako update server and the device meets the highest security standards.
- Before an update is installed, it is checked whether it is correctly encrypted, validated and undamaged.
- Updates are downloaded and installed, but only activated when no important process is running and no load is switched. The restart required for this takes a few seconds and goes unnoticed.
- If an update fails or leads to device instability, the system automatically switches back to the previous firmware version and waits for a new update.

**Offline firmware updates:**

The device supports offline firmware updates via REST API. More information on this on the product website.

**Technical data**

**Rated switching capacity:** 4 A/250 V AC

**Inductive load cos M = 0.6/230 V:** 650 W

**Max. parallel capacitance:** 30 nF

**(approx. length) of local control lead:** (100 m)

**Standby loss (active power):** 0.8 W

**Manuals and documents in further languages:**



To control this Home Kit-enabled accessory, the latest version of iOS or iPad OS is recommended. Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Apple, Apple Home, and Home Kit are trademarks of Apple Inc., registered in the U.S. and other countries and regions.

**Frequency:** 2.4 GHz

**Transmit power:** max. 100 mW

Hereby, Eltako GmbH declares that the radio equipment type ESB62NP-IP/110-240V is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity can be accessed via the QR code or the internet address under 'Documents'.

**Must be kept for later use!**

**Eltako GmbH**

D-70736 Fallback

**Technical Support English:**



+49 711 943 500 25



[technical-support@eltako.de](mailto:technical-support@eltako.de) [eltako.com](http://eltako.com)

29/2023 Subject to change without notice.

*Eltako*

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## Documents / Resources



[Eltako ESB62NP IP Shading Actuator](#) [pdf] Instruction Manual  
ESB62NP IP Shading Actuator, ESB62NP, IP Shading Actuator, Shading Actuator, Actuator

## References

- [Home » Eltako](#)

-  [ESB62NP-IP/110-240V » Eltako](#)
-  [Eltako Connect - Apps on Google Play](#)
- [User Manual](#)