

VarioTec-868 JA
VarioTec-868 RM
28 350 0001
28 340 0002

e l e r o

Sun Shading Solutions **Nice**



(EN) Operating instructions (translation)

Please keep these instructions in a safe place!

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Warning!



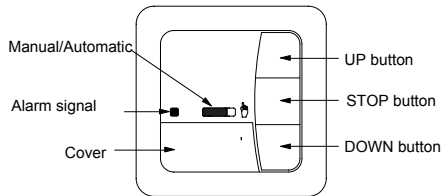
Important safety instructions!

Always observe the following instructions. Risk of injury by electric shock.

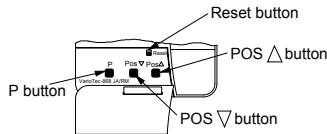
- All terminal connections to a 230 V network **must** be made by an authorised electrician.
- Before assembly, always disconnect the mains lead from the power supply.
- The provisions of the local public utilities and stipulations for wet and damp rooms in accordance with VDE 100 must be observed during system installation.
- For use in dry rooms only.
- Use unmodified **elero** original parts only.
- Keep persons away from the systems guide track.
- Keep children away from controls.
- Always comply with national stipulations.
- If the system is controlled by one or more devices, the system guide track must be visible during operation.
- Only cables with sufficient electric strength may be used to connect control cables (protective low voltages).
- The equipment contains small parts that could be swallowed.

Explanation of displays and buttons

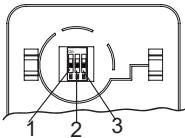
Explanation of displays and buttons



Buttons beneath the cover



Encoding switch (located on back of device)



1 Upper position → Alarm signal function OFF.
Lower position → Alarm signal function ON.

2 Upper position → Group controller
Lower position → Driver controller

3 Upper position → Without function
Lower position → Default setting
→ JA/RM operation

General information / Designated use

General information

The VarioTec-868 JA/RM device operates your roller shutters/sun protection systems on the basis of manual or external control commands.

The VarioTec-868 JA/RM device can be operated manually at all times.

The VarioTec-868 JA/RM is characterised by its user-friendly operation.

Designated use

The VarioTec-868 JA may be used to operate venetian blinds **only**.

The VarioTec-868 RM may be used to operate roller shutters and awnings **only**.

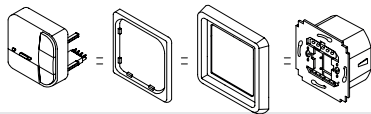
This device may only be used in connection with equipment from other manufacturers following consultation with your local retailer.

- Please note that radio-controlled systems may not be used in areas with a high risk of interference (e.g. hospitals, airports).
- The remote control is solely for use with equipment and systems in which malfunctions in the hand-held transmitter or receiver would not pose any risk to persons, animals or property or which contain safety devices to eliminate such risks.
- The operator is not protected from interference from other telecommunications systems and terminal equipment (e.g. even from radio-controlled systems which are properly operated in the same frequency range).
- Radio receivers may only be used in combination with equipment and systems stipulated in manufacturers' specifications.

Note: Radio stations transmitting in the same frequency range may cause reception interference.
Please note that the operating range of the radio signal is limited by legislation as well as by the product design.

Installation / Connection

Installation



Note: The encoding switch 2 located on the back of the VarioTec-868 device can be used to select group or drive control.

Connection as a drive controller

You can find the structure of a controller on elero.com in the download area under „Installation instructions and circuit diagrams“.

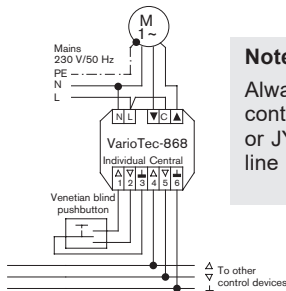


Warning!

Risk of injury by electric shock!

- Terminal connections must be carried out by an authorised electrician!
- If more than one drive is operated using the VarioTec-868 JA/RM, the drives must be decoupled by relay controls.
- The switched current of the device must be observed at all times!

1. Remove the protective caps.
2. Connect.



Note!

Always use a shielded control wire . . . 0.8 mm or JY-ST telephone line . . . 0.6 mm.

Connection

3. Replace the protective caps on the power supply unit.
4. Secure the power supply unit in the box.
5. Insert the operating device into the frame and plug it into the power supply unit.

Connection as a group controller

For details on suitable control systems, please refer to the control product catalogue.

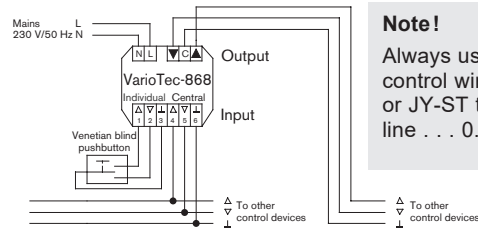


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Explanation of functions


Factory settings

Encoding switch factory setting

1. Lower position	Alarm signal function ON.
2. Lower position	Driver controller.

Explanation of functions

Manual/Automatic sliding switch

In the “**MANUAL**  “ mode, only manual control commands and alarm signals are executed.

When the sliding switch is set to “**AUTO**”, automatic control commands are carried out (e.g. control signals via group control inputs).

Alarm signal control light

An alarm signal is a continuous switching signal at the group or individual control inputs which lasts for more than 5 seconds.

If the alarm signal control light is illuminated, this indicates an alarm signal. The encoding switch 1 can be used to switch the ALARM SIGNAL function on or off.

Explanation of functions

Reset button:

Press the **Reset** button (with a ballpoint pen or similar object) to delete the intermediate position and the ventilation/reverse position.

P button

Press the **P** button to simulate power interruption (in order to programme the transmitter).

POS ▼

The **Pos ▼** button can be used to programme an intermediate position.

POS ▲

The **Pos ▲** button can be used to programme a ventilation/reverse position.

Group control:

Group control refers to the simultaneous operation of several drives.

Intermediate position:

The intermediate position lies between the upper and lower limits of the roller shutters/sun protection system and can be freely selected. The roller shutters/sun protection system can be moved into this position from the upper end limit after programming.

To do so, press the **DOWN** button **twice** in quick succession.

When the system is in venetian blind mode, it is also possible to programme a reverse position. In this case, this command will be automatically executed following the intermediate position command.

Ventilation/reverse:

The ventilation/reverse position lies between the upper and lower limits of the roller shutters/sun protection system and can be freely selected. Your roller shutters can be moved into this position from the lower end limit until the ventilation slats are open.

In venetian blind mode, the blind slats are turned.

To do so, press the **UP** button **twice** in quick succession.

Drive controller:

If the VarioTec-868 JA/RM device is being used as a drive controller, the drive is directly connected to the VarioTec-868 device, in which case external signals are converted into control commands. Encoding switch 2 **must** be set to the lower position.

Group controller:

If the VarioTec-868 JA/RM device is being used as a group controller, additional group and drive control devices can be connected. Encoding switch 2 **must** be set to the upper position.

Functions

Manual operation functions

- UP, STOP, DOWN
- Intermediate position
- Ventilation/reverse position
- Alarm signals

Automatic operation functions

- External automatic control commands
- UP, STOP, DOWN
- Intermediate position
- Ventilation/reverse position
- Alarm signals

Programming

Programming the intermediate position

Prerequisite: The shutter/canopy/blind is in the upper end limit position.

1. Press and hold the **Pos ▼** programming button.
2. **Keeping this button pressed**, press the **DOWN** button until the desired intermediate position has been reached. Adjustments can be made with the **UP** or **DOWN** buttons.
3. Release the **Pos ▼** the programming button. The intermediate position is now stored. The control light will flash 3 times briefly

Programming menu

Programming the ventilation/reverse position

Prerequisite: The shutter/canopy/blind is in the lower end limit position.

1. Press and hold the **Pos ▲** programming button.
2. **Keeping this button pressed**, press the **UP** button until the desired ventilation/reverse position has been reached. Adjustments can be made with the **UP** or **DOWN** buttons.
3. Release the **Pos ▲** programming button. The ventilation/reverse position is now stored.
The control light will flash 3 times briefly.

Deleting ventilation/reverse position

Press and hold the **Pos ▲** programming button for more than 5 seconds. The ventilation/reverse position is now deleted. The control light will flash 3 times briefly.

Adjustment to intermediate position

The shutter/canopy/blind can only be moved into the intermediate position from the **upper** end limit position.

1. Press the **DOWN** button **twice** in quick succession.
The shutter/canopy/blind is adjusted into the stored intermediate position.

Addition concerning VarioTec-868 JA

When the blind reaches the stored intermediate position the blind slats are turned automatically (provided a reverse position has been pre-programmed).

Deleting intermediate position

1. Press and hold the **Pos ▼** programming button for more than 5 seconds. The intermediate position is now deleted.
The control light will flash 3 times briefly.

Programming menu

Adjustment to reverse position with VarioTec-868 JA (venetian blinds)

Venetian blinds can only be moved into the reverse position from the **lower** end limit position.

1. Press **UP** button **twice** in quick succession.
The venetian blind is adjusted into the stored reverse position.

Adjustment/fabric tension to ventilation position with VarioTec-868 RM (roller shutters/awnings)

Roller shutters/awnings can only be moved into the ventilation position from the **lower** end limit position.

1. Press the **UP** button **twice** in quick succession. The shutters/awnings are adjusted into the stored ventilation position/fabric tension.

Deleting ventilation/reverse position

Press and hold the **Pos ▲** programming button for more than 5 seconds. The ventilation/reverse position is now deleted. The control light will flash 3 times briefly.

Commissioning (connection of a tubular or venetian blind motor)

Precondition: The VarioTec-868 JA/RM is installed.
(→ See Chapter connection RM/JA)
The end positions must be set.

1. When the power supply is restored **or** by pressing the **P**-button (min. 5 Sec) on the VarioTec-868 JA/RM , the device is ready to programme for 5 minutes.
2. Programme the transmitter (Z see transmitter instructions).
3. To define the keyboard layout, press the **UP** button on the transmitter as soon as the shutter/canopy/blind begins to move upwards (after approx. 1 second).
The shutter/canopy/blind will come briefly to a halt.
Press the **DOWN** button on the transmitter as soon as the shutter/canopy/blind begins to move downwards.
The shutter/canopy/blind will come to a halt.
The transmitter/channel has been successfully programmed.

Note: If more than one receiver is connected to the same mains lead, all of these will be in programming mode simultaneously. The shutters/canopies/blinds will begin to move up and down "at random". The longer you take to carry out the programming, the larger the offset becomes.
Individual channels can now be assigned to the relevant receiver. The brief up and down movements can be stopped by pressing the **STOP** button on one of the pre-programmed hand-held transmitters briefly.
Channel assignment/modification can now be carried out without you having to disconnect individual channels.
For more details, refer to the operating instructions for your transmitter.

Technical data

Nominal voltage	230-240 V AC / 50-60 Hz
Switched current	5 A /250 V AC bei cos j = 1
System of protection	IP 20
Protection class (only after correct installation)	II
Permissible ambient temperature	0 to +55 °C
Operating frequency	868,3 MHz
Type of installation	Concealed: Ø 58 mm wall-mounted Exposed: in appropriate exposed casing
Max. number of transmitters	16 transmitters

Cleaning

Clean the device with a damp cloth only. Do not use a cleaning agent as doing so may damage the plastic.

Troubleshooting

EC Declaration of conformity

Troubleshooting

Problem	Cause	Remedy
Drive is not functioning.	Faulty connection.	Check connection.
VarioTec-868 JA/RM does not carry out external control commands.	1. Device is set to "MANUAL". 2. Alarm signal is active.	1. Set the device to "AUTO". 2. Wait until alarm signal disappears or rectify the problem that triggered the signal.
Drive is not functioning. Alarm signal is illuminated.	1. Receiver is outside the radio operating range. 2. Transmitter is not programmed in the receiver.	1. Reduce distance to receiver. 2. Programme receiver.

General declaration of conformity:

The company elero GmbH hereby declares that the VarioTec-868 JA/RM device complies with the basic requirements and other relevant regulations of the EC Directive 1999/5/EG.

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We reserve the right to make technical changes
