

Radio blinds actuator for rail mounting
Art.-No.: FAJ 6 REG

Operationsmanual

1 Safety instructions

Electrical equipment may only be installed and fitted by electrically skilled persons.

Failure to observe the instructions may cause damage to the device and result in fire and other hazards.

Danger of electric shock. Always disconnect before carrying out work on the device or load. At the same time, take into account all circuit breakers that supply dangerous voltage to the device or load.

Danger of electric shock. Device is not suitable for disconnection from supply voltage.

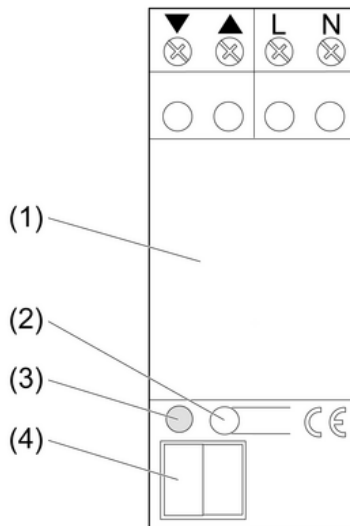
Risk of injury. Use the device only for controlling Venetian blind and roller shutter motors or awnings. Do not use it to switch other loads.

For parallel connection of several drives to an output it is essential to observe the corresponding instructions of the manufacturers, and to use a cut-off relay if necessary. The drives may be destroyed.

Use only Venetian blind drives with mechanical or electronic limit switches. Check the limit switches for correct adjustment. Observe the specifications of the motor manufacturers. Device can be damaged.

These instructions are an integral part of the product, and must remain with the end customer.

2 Device components



picture 1

- (1) Venetian blind actuator
- (2) Programming button
- (3) LED
- (4) Connection terminal for bus cable

3 Function

Intended use

- Radio-controlled operation of a Venetian blind or roller shutter motor
- Operation with suitable radio transmitters in combination with a radio receiver RMD
- Installation in distribution boxes on DIN rail according to DIN EN 60715

Product characteristics

End positions of the Venetian blind can be called up via light scenes

4 Operation

Operation with radio transmitter

A radio transmitter has to be taught in order to be able to operate the Venetian blind actuator.

i Observe the instructions for the radio transmitter.

Depending on how a radio transmitter is operated, the slats are adjusted or the Venetian blind is moved.

5 Information for electrically skilled persons

5.1 Fitting and electrical connection



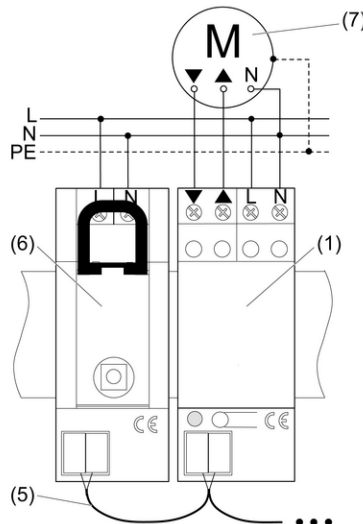
DANGER!

Electrical shock when live parts are touched.

Electrical shocks can be fatal.

Before carrying out work on the device or load, disengage all the corresponding circuit breakers. Cover up live parts in the working environment.

Connecting and mounting the Venetian blind actuator



picture 2

- Venetian blind actuator (1) on DIN rail.
- Connect Venetian blind actuator in accordance with connection diagram (picture 2) and connect to the Venetian blind or roller shutter motor (7).
- Connect Venetian blind actuator to terminal (4) via a bus cable with the RMD radio receiver (6) and/or other radio actuators.

i The total length of the bus cables between the RMD devices may not exceed 3 m.

- i** The polarity of the bus cables must not be reversed.
- i** For the bus cable, use a shielded cable with twisted conductors and a conductor diameter of 0.8 mm that is designed for a test voltage of 2.5 kV AC. Examples of permissible bus cables are YCM 2×2×0.8 or J-Y(St)Y 2×2×0.8.
 - Switch on mains voltage.

Performing a function test

The Venetian blind can be moved by pressing the programming button briefly (for about 1 second).

Pressing a button	Reaction	LED
1.	Venetian blind moves up, 2 min	red
2.	Stop	OFF
3.	Venetian blind moves down, 2 min	green
4.	Stop	OFF

5.2 Commissioning

- i** Observe the instructions for the radio transmitter.



DANGER!

Electrical shock when live parts are touched.

Electrical shocks can be fatal.

Before working on the device, cover up live parts in the working environment.

Teaching a radio transmitter

- i** If all memory slots are occupied, a radio transmitter which has already been taught must first be deleted. To do this, delete all taught channels and light scenes of the radio transmitter individually.

The distance between the receiver and the radio transmitter is from 0.5 m to 5 m.

The load is switched off.

- i** When a radio transmitter is being taught, the Venetian blind is likewise moved each time the programming button of the Venetian blind actuator is pressed.
 - Press the programming button of the Venetian blind actuator for approx. 4 seconds. The LED blinks. The device is in programming mode for approx. 1 minute.
 - Press radio transmitter
LED lights up red. The radio transmitter has been taught.
- i** Teach light scene buttons separately.

Exit programming mode

The Venetian blind actuator is in programming mode.

- Press the programming button briefly.
Venetian blind actuator switches to the operating mode.
- i** The programming mode is exited automatically after about 1 minute.

Saving the end position of the Venetian blind in a light scene

The upper or lower end position of a Venetian blind can be called up via light scene buttons of a radio transmitter.

Light scene button of the radio transmitter has been taught in the actuator.

- Move Venetian blind to the desired end position. The Venetian blind actuator must switch off by itself.

- Press desired light scene button of the radio transmitter for at least 3 seconds.
The end position of the Venetian blind has been saved as a light scene.

Deleting radio transmitters individually

- Teach the radio transmitter to be deleted again (see Teaching a radio transmitter).
LED blinks quickly. The radio transmitter has been deleted.

i If several channels or light scenes of a radio transmitter have been taught, they all must be deleted individually.

6 Appendix**6.1 Technical data**

Rated voltage	AC 230 V ~
Mains frequency	50 / 60 Hz
Ambient temperature	0 ... +45 °C
Storage/transport temperature	-25 ... +70 °C
Change-over time for direction change	approx. 1 s
Switch-on time	approx. 2 min
Connected load	
Motors	700 W
Circuit breaker	max. 10 A
Connection	
Single stranded	1.5 ... 4 mm ²
finely stranded without conductor sleeve	0.75 ... 4 mm ²
finely stranded with conductor sleeve	0.5 ... 2.5 mm ²
Fitting width	36 mm / 2 modules
Teachable radio transmitter	max. 30

6.2 Accessories

Master receiver for rail mounting

Art.-No.: FK 100 REG

6.3 Warranty

We reserve the right to make technical and formal changes to the product in the interest of technical progress.

We provide a warranty as provided for by law.

Please send the unit postage-free with a description of the defect to our central customer service office:

ALBRECHT JUNG GMBH & CO. KG

Service Center
Kupferstr. 17-19
D-44532 Lünen
Service-Line: +49 (0) 23 55 . 80 65 51
Telefax: +49 (0) 23 55 . 80 61 89
mail.vka@jung.de

General equipment

Service-Line: +49 (0) 23 55 . 80 65 55
Telefax: +49 (0) 23 55 . 80 62 55
mail.vkm@jung.de

KNX equipment

Service-Line: +49 (0) 23 55 . 80 65 56
Telefax: +49 (0) 23 55 . 80 62 55
mail.vkm@jung.de

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Radio Management

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ALBRECHT JUNG GMBH & CO. KG

Volmestraße 1

D-58579 Schalksmühle

Telefon: +49.23 55.8 06-0

Telefax: +49.23 55.8 06-1 89

E-mail: mail.info@jung.de

Internet: www.jung.de

www.jung-katalog.de