

Blind control insert with auxiliary input

Order No. : 5414 00

Operating instructions**1 Safety instructions**

Electrical devices may only be mounted and connected by electrically skilled persons.

Serious injuries, fire or property damage possible. Please read and follow manual fully.

Danger of electric shock. Always disconnect before carrying out work on the device or load. In so doing, take all the circuit breakers into account, which support dangerous voltages to the device and or load.

Danger of electric shock. Do not mount the device on unearthed, electrically conductive substrates or let it come into contact with them.

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

Use only venetian blind motors 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.

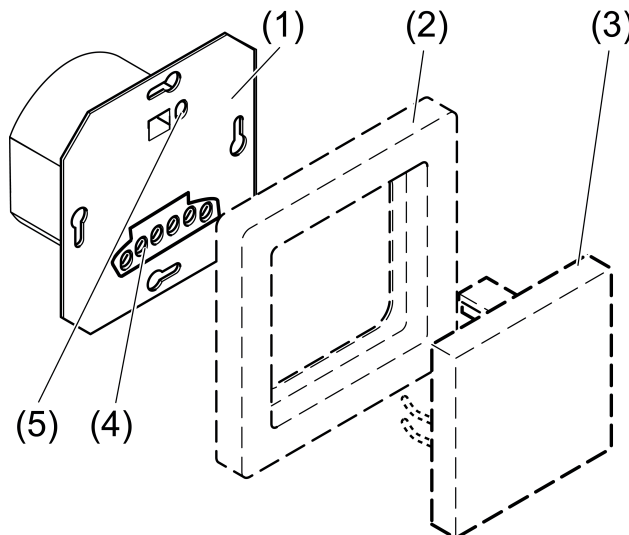
2 Device components

Figure 1

- (1) Venetian blind control
- (2) Frame
- (3) Cover
- (4) Terminals
- (5) Button **TEST**

3 Function

Intended use

- Controlling electrically driven blinds, rolling shutters and awnings
- Operation with suitable cover
- Installation in appliance box according to DIN 49073

Product characteristics

- The integration into group controls or master controls is possible by means of extension inputs
- Automatic control via timer
- Operation as a main device or extension unit
- Wind alarm interlock via the extension input
- Saving of a ventilation position possible using the cover

4 Operation

Moving the blind/shutter

- Press top or bottom button for longer than one second.

The blind/shutter moves in the desired direction to the end position or stops when the button is pressed again.

- i** If a ventilation position has been saved, the blind stops in the ventilation position when moving down from the top end position (see Saving the ventilation position).

Adjusting the slats

- Press top or bottom button for less than 1 second.

Saving the ventilation position

To save and execute the ventilation position, the Venetian blind must be moved to the upper end position and switch off automatically there after 2 minutes.

- From the top end position, press the bottom button for longer than second.
The blind/shutter moves in the lower end position direction.
- Press and hold down the top and bottom buttons.
The blind/shutter remains stopped, but continues to move after 4 seconds.
- As soon as the desired ventilation position has been reached, release the buttons and press the top button within the next 4 seconds.
The ventilation position is saved. The blind/shutter moves back to the upper end position.

- i** If the ventilation position is saved again, the old value is overwritten.

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 control

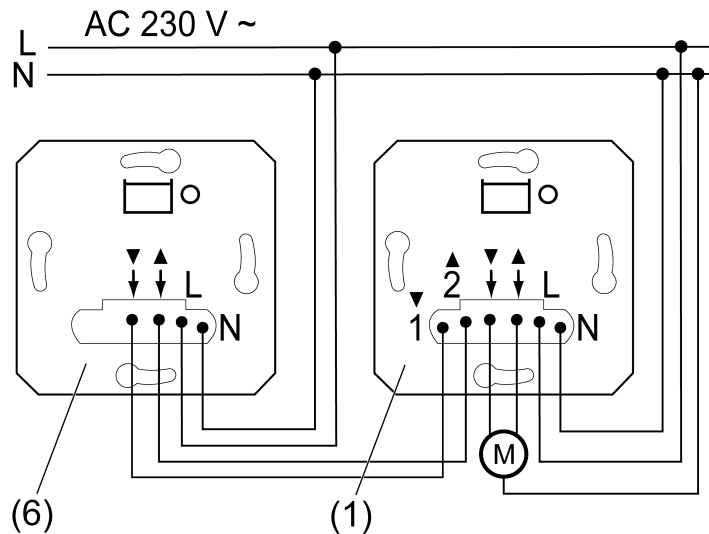


Figure 2: Control with extension

- Venetian blind control (1) for local control. Optional: Connection of an extension (6) (Figure 2). A mechanical Venetian blind push-button or Venetian blind switch can also be used as an extension instead of the Venetian blind control.
 - Install Venetian blind control in appliance box, terminals must be at the bottom. Recommendation: Use deep appliance box.
 - Switch on mains voltage.
 - The **TEST** button also allows activation of the connected motor without a top, e.g. to be able to set the end positions of the motor.
Press the **TEST** button for less than 1 second: Blind moves towards the bottom end position.
Press the **TEST** button for longer than 1 second: Blind moves towards the top end position.
 - If the blind/shutter moves in the wrong direction, exchange the connections.
 - Attach the frame and the cover.
 - If multiple circuit breakers supply dangerous voltages to the device or load, couple the miniature circuit breakers or label them with a warning, to ensure disconnection is guaranteed.
- i** As long as an Up command is active on extension unit input 2 (wind alarm), the Venetian blind cannot be operated either manually or automatically.

Integrating the device into a group control

The Venetian blind control can be integrated into a group control (1) (Figure 3), either for local control or as a master unit (7).

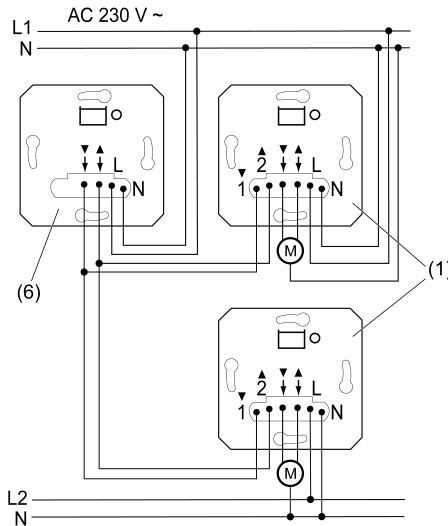


Figure 3: Connection example of group control

- Connect the venetian blind controls according to the connection example (Figure 3). The Venetian blind inserts can also be connected to different external conductors.

Implementing Venetian blind control via various residual current devices

In order to prevent undesirable triggering of the residual current devices (9), the electric circuits must be decoupled by means of a Venetian blind cutoff relay (10).

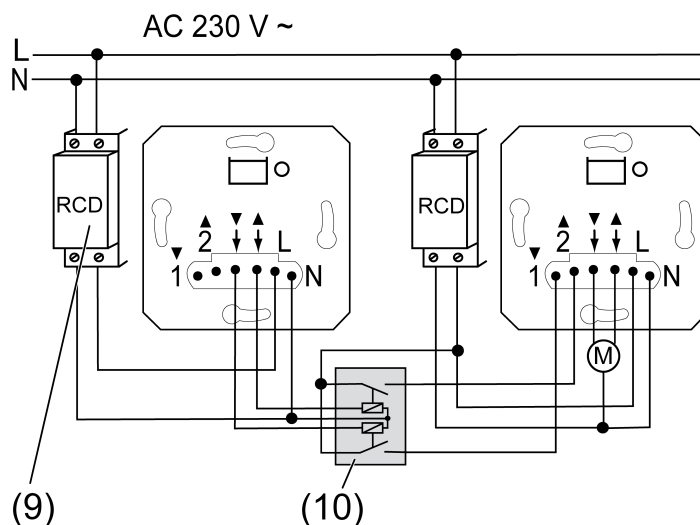


Figure 4: Connection example of two RCD circuits

- Connect the devices according to the connection example (Figure 4).

Implementing a wind alarm

Wind sensors serve to protect a Venetian blind from being destroyed by a strong wind. The Venetian blind is moved to a safe end position and locked there until the wind drops below the set threshold value.

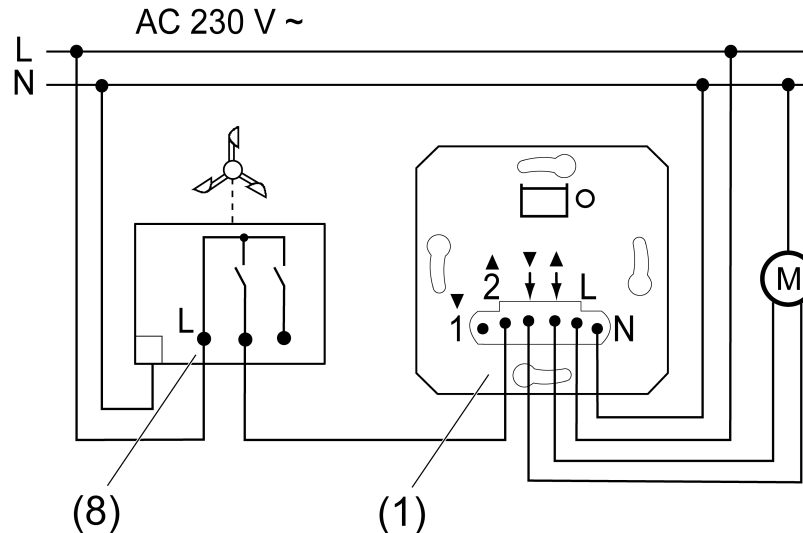


Figure 5: Connection example of wind sensor

- Connect the wind sensor (8) according to the connection example (Figure 5). The wind alarm is implemented via extension input 2.
- i** In order to use the wind alarm for all external Venetian blinds of a building, the wind sensor must be connected to extension unit input 2 of the master control.
- i** As long as an Up command is active on extension unit input 2, the Venetian blind cannot be operated either manually or automatically.

6 Appendix

6.1 Technical data

Rated voltage	AC 230 V ~
Mains frequency	50 / 60 Hz
Ambient temperature	-5 ... +45 °C
Storage/transport temperature	-20 ... +70 °C
Contact type	μ contact
Standby power	max. 0.2 W
Running time	approx. 120 s
Connected load	
Motors	700 W
Connection	
single stranded	0.75 ... 4 mm ²
Finely stranded with conductor sleeve	0.75 ... 2.5 mm ²
Data according to EN 60730-1	
Action	1.B
Degree of soiling	2
Meas. surge vol.	4000 V

6.2 Warranty

The warranty follows about the specialty store in between the legal framework as provided for by law

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade). They will forward the devices to the Gira Service Center.

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