

### Blind control button

Order-No. : 2328 ..

### Blind control button with sensor evaluation

Order-No. : 0820 ..

## Operating instructions

### 1 Safety instructions

Electrical equipment may only be installed and fitted 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. 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.

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

### 2 Device components

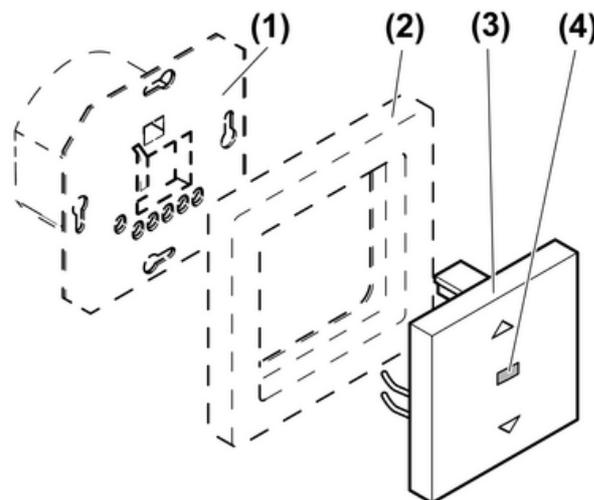


Figure 1: Device components

- (1) Venetian blind control
- (2) Frame
- (3) Cover
- (4) Status LED

### 3 Function

#### Intended use

- Operation of electrically-driven blinds, shutters and awnings
- Operation on control of the Venetian blind control system

#### Product characteristics

- Status LED
- Lock-out protection
- The individual moving time from the upper end position is storable

Additional functions for the cover with sensor connection

- Evaluation of a sun sensor
- Brightness threshold adjustable
- Automatic recognition of an outdoor sensor during the first sensor run
- Evaluation of a glass break sensor

#### Sun protection function for cover with sensor evaluation

The connection of a sun sensor enables automatic shading when it is very bright outside. The brightness threshold that controls the sun protection can be adjusted on the cover. If the measured brightness exceeds the predefined brightness threshold for more than 2 minutes, the Venetian blind moves downwards. The previously stored individual moving time is executed for an outdoor sensor. The stop position is determined by the sun sensor for an indoor sensor.

- i** The sun protection function is only activated if the Venetian blind has been moved to the upper end position and the control has deactivated automatically after 2 minutes. Each manual operation deactivates the sun protection.

If the brightness threshold is fallen short of for more than 15 minutes, the Venetian blind moves back to the upper end position.

#### Glass break function for cover with sensor evaluation

The glass break sensor reports destruction of the window pane to the cover that allows the Venetian blind to move to the lower end position. This protects the interior area against weather influences. The glass break message is reset by pressing the ▲ button and the Venetian blind moves upwards.

- i** If the lock-out protection is active, the glass break sensor is not evaluated.

## 4 Operation

#### Moving the Venetian blind

- Press top or bottom of cover for longer than one second.  
The Venetian blind moves in the desired direction to the end position or stops when the button is pressed again.

#### Adjusting the slats

- Press top or bottom of cover for shorter than one second.  
The slat position changes in the desired direction for as long as the button is pressed.

#### Activating lock-out protection

The lock-out protection prevents the Venetian blind from automatically moving down unintentionally. Shutting down on site via the sensors or extensions is disabled.

- Press top of cover for longer than 4 seconds.  
Status LED is illuminated. Venetian blind moves to the upper end position, the lock-out protection is activated.

#### Deactivating lock-out protection

- Press top button briefly.  
Status LED goes out.  
The lock-out protection is deactivated.

- i** After a power failure, the lock-out protection is deactivated.

#### Saving individual moving time

If a Venetian blind should not move to the lower end position "ventilation function" or an outdoor sensor is used, a shorter moving time can be stored. A time between 0.5 seconds and 2 minutes can be stored.

- Press cover over entire surface for longer than 4 seconds.  
The Status LED flashes. The Venetian blind moves automatically to the upper end position.
- Keep the cover pressed in the direction ▼ until the Venetian blind is in the desired position.
- Release cover.

Venetian blind stops.

- Press cover over entire surface for at least 1 second to store the moving time.  
- Or -
- Press cover ▼ or ▲ to discard the moving time.

The storage mode is exited automatically and the LED ceases to be illuminated.

- i** The individual moving time remains permanently stored. The old moving time will be replaced if a new moving time is stored.
- i** To execute the individual moving time, the Venetian blind must be moved to the upper end position and switch off there automatically after 2 minutes.

## 5 Information for electrically skilled persons

### 5.1 Fitting and electrical connection

#### Mounting and connecting



#### **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.**

The Venetian blind control is mounted and connected properly (see instructions for the relevant Venetian blind control).

- Install sun sensor for covers with sensor connection and connect to terminal block (see instructions for the sensors and control).
- Adjust brightness threshold (see following chapter).
- i** Connect the sun sensor with the correct polarity. If a sensor is connected with reversed polarity, this will result in malfunctions. It might not be possible to operate the cover any more.



#### **CAUTION!**

**Risk of damaging the Venetian blind if wind and glass break sensor are used simultaneously.**

**The wind alarm is not executed if glass break is active, the Venetian blind remains closed and cannot be damaged.**

- Connect glass break sensor to terminal block if necessary (see instructions for the relevant glass break sensor).
- Mount cover (3) with frame (2) onto the Venetian blind control (1) (Figure 1).

## Adjusting brightness threshold for cover with sensor evaluation

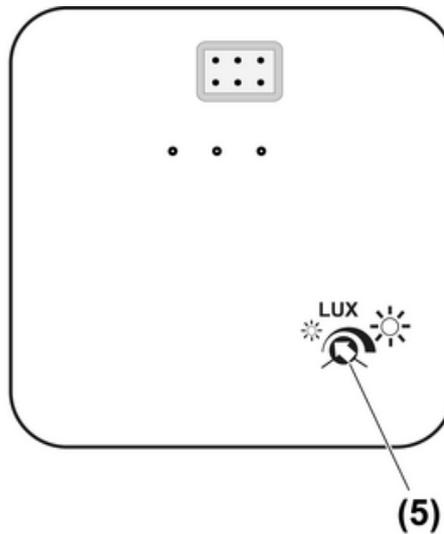


Figure 2: Back of cover: Adjuster for brightness threshold

The brightness threshold can be adjusted within a range of approx. 5,000 Lux "small sun" to approx 80,000 Lux "large sun" using the adjuster (5) on the back of the cover (Figure 2). The adjuster is preset to approx. 15,000 Lux at the factory.

- Adjust the brightness threshold to the required value. Adjust the brightness threshold value after commissioning if necessary.

## 6 Appendix

### 6.1 Technical data

Ambient temperature	0 ... +45 °C
Storage/transport temperature	-10 ... +60 °C
Switch-over time for direction change	approx. 1 s
Moving time	0.5 ... 120 s
Tolerance of the moving time	± 0.5 s
Brightness setting	—
Order-No. 2328 ..	
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### 6.2 Warranty

The warranty is provided in accordance with statutory requirements via the specialist trade.

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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