

Blind/shutter control pushbutton

Order no.: 0644 xx

Blind/shutter control pushbutton with sensor input

Order no.: 0820 xx

Blind/shutter control pushbutton**Function**

The control pushbutton is a component of the blind/shutter control system and can only be used in conjunction with the blind/shutter control insert.

A press on the ▲ button raises the blind/shutter while a press on the ▼ button lowers the blind/shutter.

The moving time of the blind/shutter can be individually selected between 4 seconds and 2 minutes (preset value = 2 minutes).

The attachment is additionally equipped with a locking function to prevent any inadvertent automatic lowering of the blind/shutter.

**Safety warnings**

Attention: Electrical equipment must be installed and fitted by qualified electricians only.

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

To prevent electric shocks, disconnect the mains supply (by cutting out the circuit breaker) before working on the device or on the load.

The blind/shutter control system has been developed for the control of window blinds and window shutters. Do not switch other loads.

Using the device for other applications such as the control of roller-shutter doors may involve hazards.

These hazards must be excluded by the user by taking appropriate safety measures (e.g. light barriers).

Observe also the safety warnings set out in the operating instructions of the respective blind/shutter control insert used.

Operation

Brief press on the button (less than 1 second):

A pulse corresponding in length to the duration of the press is generated. This function is used for the adjustment of the slats of blinds.

Press on the ▼ button (longer than 1 second):

The shutter control is in the self-locking mode („continuous move“).

From the upper limit position, the programmed moving time is executed; from all other positions, the moving time executed is 2 minutes.

Press on the ▼ button (longer than 4 seconds) individual moving time setting:

If shutter is to be prevented from moving down completely to the lower limit position („ventilation function“), a shorter moving time can be programmed.

Before doing this, the blind/shutter must be moved in the „continuous mode“ (moving time = 2 minutes) to the upper limit stop.

The individual moving time can be set only after 2 minutes have elapsed.

Depress the ▼ button until the blind/shutter has reached the desired position.

Fitting (Fig. A):

The control pushbutton is installed together with a blind/shutter control insert (order. no. 0398 00, 0399 00, 0395 00, 0388 00) in a flush-mounting box in acc. with DIN 49073 (deep box recommended).

The connecting terminals of the insert must be at the bottom.

Description, fitting and connection of the insert: see separate instructions.

Plug the control pushbutton (2) together with frame (3) onto the insert (1).

The electrical contact is established via connectors (4) and (5).

When the button is released, the blind/shutter stops and the new moving time is programmed.

To execute the programmed moving time, the blind/shutter must be moved in the „continuous mode“ up to the upper limit position.

Reprogramming the moving time replaces the old value by the new one.

Press on the ▲ button (longer than 1 second):

The shutter control is in the self-sustaining mode. The moving time executed is 2 minutes.

Press on the ▲ button (longer than 3 seconds) Lockout protection:

The LED in the middle of the attachment is lit up.

The shutter moves to the upper limit stop and the lock-out protection is active.

Commands from the central unit, extension units and the sensors are disregarded.

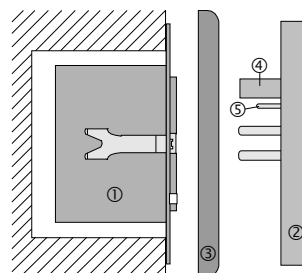
This function can be deactivated with a press on the ▲ or ▼ buttons.

After a mains failure, the lock-out protection is deactivated and the individual moving time is erased.

Important:

When using sensors, observe the fitting information set out in the instructions of the respective blind/shutter control insert.

Fig. A)



Blind/shutter control pushbutton with sensor input

Sun protection function:

A sun sensor permits automatic lowering of the blind/shutter in strong sunshine. To execute this function, the blind/shutter must be raised in the „continuous mode“ to the upper limit position.

The attachment activates the sun protection function after 2 minutes. Any manual operation deactivates the sun protection function.

The sun protection function begins ca. 2 minutes after the preset brightness level has been exceeded (level presettable ca. 5.000 - 80.000 lux) and the blind/shutter moves down.

When the ambient brightness has been below the preset threshold for at least 15 minutes, the blind/shutter is raised again (short brightness variations have no effect).

The attachment distinguishes between an inside or outside sun sensor.

To determine the type of sensor installed, the blind/shutter performs an initialization move when the sun protection function is activated for the first time.

The sensor installed is identified as an outside sensor, if no shading of the sensor is detected.

Otherwise, the sensor is an inside type.

Sun sensor on the inside:

The sun sensor is installed on the window pane.

The installation height on the pane determines the position to which the blind/shutter moves when the brightness threshold is exceeded.

Sun sensor on the outside:

After the initialization move, the blind/shutter is raised again and then lowered again with the programmed moving time. From now on, the attachment always executes the programmed moving time when in the sun protection mode.

With glass breakage sensor:

The glass breakage sensor is attached to the window pane. When the pane breaks, the shutter moves down to the lower limit stop. Application: protection against the weather in the event of glass breakage.

The glass breakage message is reset by pressing the ▲ button and the shutter moves up again.

Important:

When the lock-out protection is active, the signal from the glass breakage sensor is disregarded.



Attention!

Glass breakage sensors must not be used in combination with the wind sensor. The wind protection function via the extension input ▲ (shutter moving up) is disabled after a glass breakage. The blind or shutter remains closed.

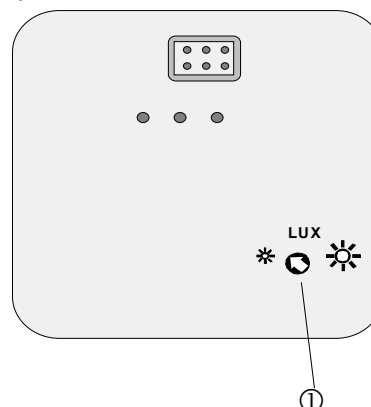
Setting the brightness threshold for the Blind/shutter control pushbutton with sensor input (Fig. B):

The brightness level at which the shutter is to be lowered can be adjusted with potentiometer (1) at the back of the control pushbutton within a range of ca. 5.000 to 80.000 lux.

setting ☀: ca. 80.000 lux
setting * : ca. 5.000 lux

The potentiometer is factory-adjusted to a value of ca. 15.000 lux (position as shown in fig. B).

Fig. B)



Technical data

Connection:	by plugging onto the blind/ shutter control insert
Moving time:	4 to 120 seconds
Switch-over time:	1 second
Ambient temperature:	0 ... +45 °C
Storage temperature:	-10 °C ... +60 °C
Brightness setting range:	ca. 5.000 to 80.000 lux (sensor model only)

Acceptance of guarantee

We accept the guarantee in accordance with the corresponding legal provisions.

Please return the unit postage paid to our central service department giving a brief description of the fault:

Gira
Giersiepen GmbH & Co. KG
Service Center
Dahlienstrasse 12
D-42477 Radevormwald

CE The CE sign is a free trade sign addressed exclusively to the authorities and does not include any warranty of any properties.

Gira
Giersiepen GmbH & Co. KG
Postfach 1220
D-42461 Radevormwald

Telefon: +49 / 21 95 / 602 - 0
Telefax: +49 / 21 95 / 602 - 339
Internet: www.gira.de