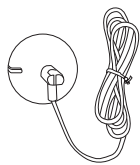


Sun/twilight sensor

Operating instructions



Art. no. MTN580691

Accessory from

- Brightness sensor interface flush-mounted (Art. no. MTN5195-0100)

For your safety



DANGER

Risk of serious damage to property and personal injury, e.g. from fire or electric shock, due to incorrect electrical installation.

Safe electrical installation can only be ensured if the person in question can prove basic knowledge in the following areas:

- Connecting to installation networks
- Connecting several electrical devices
- Laying electric cables

These skills and experience are normally only possessed by skilled professionals who are trained in the field of electrical installation technology. If these minimum requirements are not met or are disregarded in any way, you will be solely liable for any damage to property or personal injury.

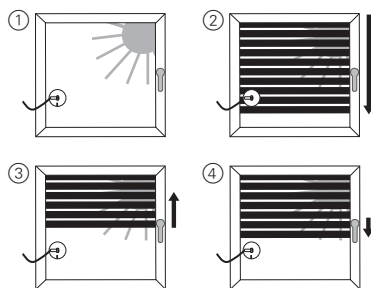
Getting to know the sensor

The sun/twilight sensor (referred to below as the **sensor**) is an accessory for the brightness sensor interface flush-mounted in the PlusLink system.

The sensor is affixed to the inside of the window pane by means of the sucker, from where it measures brightness. The brightness value is evaluated by the brightness sensor interface flush-mounted.

When combined with a blind control insert connected via PlusLink and the relevant modules (e.g. push-button module Comfort, display timer module), the sensor makes it possible to implement a sun protection function.

The sun protection function is activated as soon as the brightness by the window measured by the sensor exceeds the set limit value for 2 minutes. The blind is lowered to below the sensor, is raised a little and stops above the sensor. If the brightness falls below the limit value for 15 minutes, the blind is raised again.



1. The sun/twilight sensor measures the brightness. The limit value is exceeded.
2. The blind is lowered. The sensor is now in the shade, the blind stops below the sensor.
3. The blind is raised a little.
4. The blind is lowered and stops above the sensor.

The limit value can be adjusted in the advanced menu of the display timer module. The push-button module Comfort uses fixed limit values.

i The sun protection function is only active when the blind is completely raised.

How to install the sensor

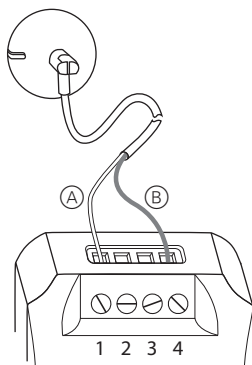
Connecting the sensor

i The sensor cable conducts safety extra-low voltage (SELV). Observe the installation regulations according to VDE 0100.

i The sensor cables may not be extended.

The sensor is connected to the brightness sensor interface flush-mounted.

- ① Cut off the connection plug and remove insulation from the cable ends.
- ② Connect sensor cables to inputs for the brightness sensor interface flush-mounted:
 - White core **A** (reference potential) to connecting terminal 1
 - White/grey core **B** (signal line) to connecting terminal 4



Affixing the sensor to window pane

i The position of the sensor on the window pane is a decisive factor for the sun protection function because it determines the starting point for the blind.

- ① Clean the window pane and the sensor's sucker with a window cleaning agent.
- ② Moisten the sucker and affix it to the intended location on the window pane.

Technical data

Max. sensitivity of photoelectric diode:	at λ = approx. 850 nm
Temperature range:	-30 to +70°C
Type of protection:	IP 54
Cable length:	2 m



Dispose of the device separately from household waste at an official collection point. Professional recycling protects people and the environment against potential negative effects.

Schneider Electric Industries SAS

If you have technical questions, please contact the Customer Care Centre in your country.

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Sun/twilight sensor

Operating instructions



Art. no. MTN580691

Accessory from

- Blind push-button with sensor connection
- Blind push-button with memory function and sensor connection
- Blind push-button with IR receiver and sensor connection
- CONNECT radio roller shutter push-button with sensor connection
- Blind time switch with sensor connection

For your safety

DANGER
 Risk of serious damage to property and personal injury, e.g. from fire or electric shock, due to incorrect electrical installation.

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- Connecting to installation networks
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- Laying electric cables

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Getting to know the sensor

The sun/twilight sensor (referred to below as the **sensor**) is used together with an attachment from the blind control system range (blind push-button/blind time switch with sensor connection) and the appropriate insert. It functions as a light sensor and is equipped with a suction cup with which it can be attached to the window pane.

Two functions are enabled by the sensor:

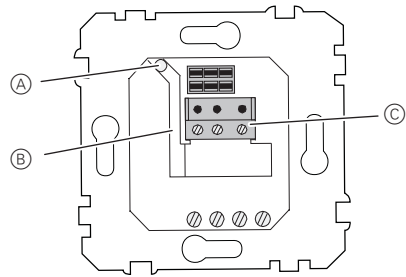
Sun protection function

Automatic lowering of the blinds/roller shutters when the set brightness value has been exceeded.

Twilight function

Lowering of blinds/roller shutters at twilight.

Connections



- (A) Bore for tube
- (B) Line terminal
- (C) Connection terminal

How to install the sensor

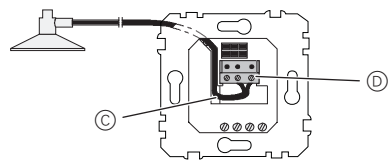
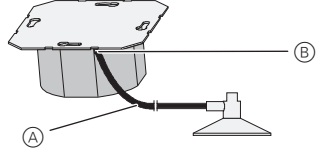
i The sensor cable conducts safety extra-low voltage (SELV). Observe the installation regulations according to VDE 0100.

Depending on the attachment, the sensor is placed directly onto the attachment or installed on the insert using a clamp, with the attachment then placed on top.

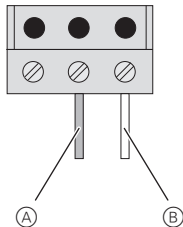
The sensor cable can be either surface-mounted or flush-mounted at the insert.

Flush-mounted installation

- 1 Cut off the connection plug.



- 2 Lead the individual cores of the sensor cable through the insulation tube (A) (included with the sensor connection).
- 3 Push the cable and the insulation tube through the bore (B) of the insert and through the line terminal (C) to the connecting terminal. The insulation tube must cover the individual cores all the way from the external cable insulation up to the connecting terminal (D).



- 4 Connect the sensor cable to the connecting terminal (included with the attachment with sensor connection): white/grey core (A) in the centre, white core (B) on the right.
- 5 Place the connecting terminal into the insert.

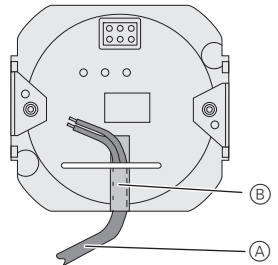
Surface-mounted installation (blind push-button with sensor connection), option 1

- 1 Cut off the connection plug.
- 2 Lead the sensor cable behind the supporting plate (between the wall and the supporting plate) through the opening in the cable duct of the insert.

- 3 Lead the cable directly through the cable duct to the connecting terminal. The cable must lie straight in the cable duct and there must be no loops in the area of the 230 V connecting terminal.
- 4 Connect the sensor cable to the connecting terminal (included with the attachment with sensor connection): white/grey core in the centre, white core on the right.

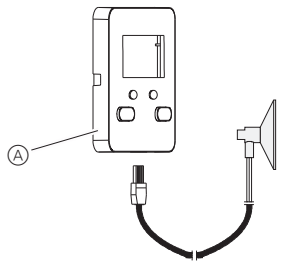
Surface-mounted installation (blind push-button with sensor connection), option 2

- 1 Cut off the connection plug.



- 2 Guide the sensor cable (A) through the cable duct (B) in the attachment to the connecting terminal in the insert.
- 3 Connect the sensor cable to the connecting terminal (included with the attachment with sensor connection): white/grey core in the centre, white core on the right.

Surface-mounted installation with blind time switch with sensor connection



- 1 Connect the sensor directly to the attachment (A) via the connection plug.

Fastening the sensor to the window

- 1 Clean the window pane and the sensor sucker using a suitable cleaning agent (e.g. soap suds).
- 2 Dampen the sensor and push it onto the window pane.

i Information on setting the sun protection function and the twilight function can be found in the instructions for the attachment concerned.

Technical data

Max. sensitivity of the photodiode:	at λ = approx. 850 nm
Temperature range:	-30 to +70 °C
Type of protection:	IP 54
Cable length:	2 m



Dispose of the device separately from household waste at an official collection point. Professional recycling protects people and the environment against potential negative effects.

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