

Casambi Blind Actuator

Control roller shutters, blinds, raffstores, awnings or garage doors via app, timer or button



Article no.: 1070

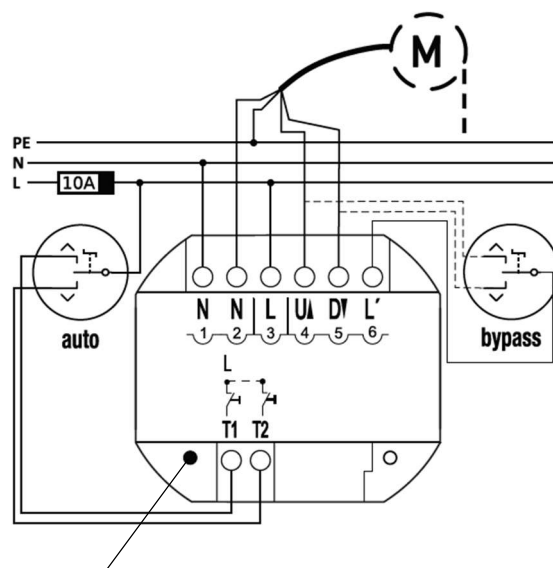
Description

The products communicate with each other in a Bluetooth low energy mesh network. This extends the Bluetooth range without the use of gateways, routers, repeaters or extra cabling. The appropriate profile for the different operating modes is selected in the Casambi app. The installation may only be carried out by a qualified electrician.

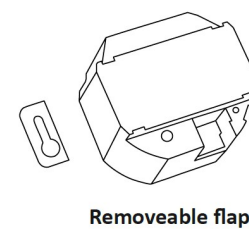
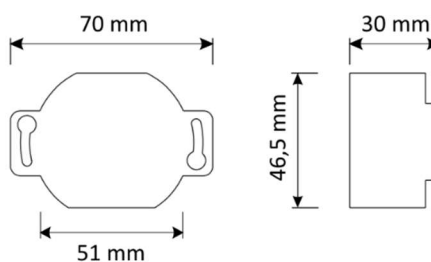
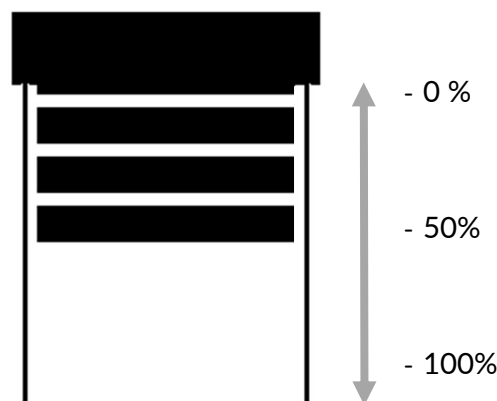
- Selectable operating mode: blind or roller shutter
- Position control 0-100 %
- Blind angle adjustable
- Wireless control via app, wall switch and motion detector
- Integration in vordefinierte Szenen Integration in pre-defined scenes
- Safe motor control 2x 16A, outputs are electrically interlocked
- Automatic switching on and off according to time, weekday, date or sunshine
- Group function
- Integration in scenes and animations
- 2x push-button connection, freely programmable
- iBeacon can be activated

Technical Details

Description	Features
Operating voltage	220-240 VAC, 50/60 Hz
Communication	Bluetooth Low Energy, Long Range
Frequency	2,402...2,480 GHz, +8 dBm
Switching output	2x 16A
Stand-by consumption	0,22 W
Wire size	Max. 1,5mm ² (solid/stranded)
Push-button connection	2
Operating elements and displays	Service button, status LED
Degree of protection / protection class	IP20 / II
Ambient temperature, ta	-0 C° - +50 C°
Material	Plastic
Weight	62 g
Dimensions	46 x 70 (51) x 30 mm



Service button: Manual control



Declaration of Conformity:

Hereby AIMOTION GmbH declares that the product Blind Actuator Wide is in compliance with Directive 2014/53/EU. The detailed declaration of conformity can be found at <https://casambi-aimotion.de/de/produkte/casambi-schaltaktoren/> on the product page under Download.



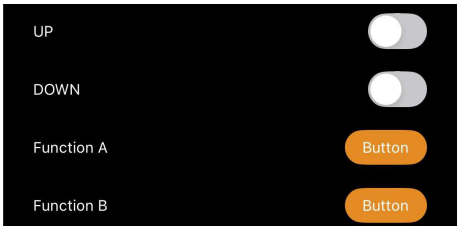
Technical changes and errors excepted. 03.2025.

Commissioning

Follow these steps to add the device to a network

- 1) Open the Casambi App and log in to your Bluetooth network. If you have not yet created a network, you must create a new network.
- 2) Before adding the device to the network, select the appropriate profile.
Tap on 'More', then tap on '**Nearby devices**'. Then tap the device, tap '**Change Profile**' and follow the instructions.
- 3) In the '**Nearby devices**' overview, tap the device and add it to the network.
- 4) The device is added to the network and ready to use.
- 5) **Notice:** Using external switches (e.g. Switch 55)
 - Tap on '**More**', then on 'Switch' and select the switch you want to use.
 - Tap on a button and select the function '**Controls an element**'.
 - Select the element e.g. Jalousie / Blind Control -> **Up**.
 - **Activate group control if this button is to control several elements in a group.**
(Available in the Casambi app version 3.17.0)

Profiles

Name	Funktion	Darstellung
Jalousie / Blind Control	<ul style="list-style-type: none"> - Position controller 0-100% - Angle adjustment 0-100% - Up and down switch - Button for the angle 	
Rollo / Shutter Control	<ul style="list-style-type: none"> - Position controller 0-100% - Up and down switch 	
Rollo / Shutter Buttons	<ul style="list-style-type: none"> - Up and Down switch - Function buttons A and B 	

Setting

Make the calibration/parameter setting:

6) In the 'Luminaires' menu, tap 'Edit' and then tap the Blinds Shutter Actuator.

7) Scroll down the menu to set the Drive Time and Angle Time.

Drive Time:

Enter here the time how long the blind/shutter needs to close completely (in seconds).

Angle Time:

The angle time cannot be set in the (profile) blind mode.

In the operating mode (profile) blind, the time must be entered within which the slats move from maximum open to maximum closed (in ms).

Make sure that this adjustment time is entered exactly so that the intermediate positions are also approached exactly. Initially the following applies: 0%=max. horizontal, 100%=max. vertical.

Note: Note: The inclination and adjustment of blinds will be between $>0^\circ$ and $<90^\circ$ and will probably also vary depending on the type and design. For this reason, the angle in Casambi is given as a percentage rather than in degrees.

Calibration:

A calibration run is necessary to apply the settings.

To do this, the blind/shutter must be moved once to the upper or lower end stop point. Wait until the relay drops out after the maximum movement time has elapsed.

As a check, the status LED on the device lights up either green or red, depending on the direction of movement, and goes out as soon as the maximum movement time is reached.

At the same time the relay drops out and the setting work is completed.

Note: If the travel time or the slat adjustment time is changed, the calibration travel step must be carried out again so that the changed values are adopted.

Set drive direction:

If the drive direction is not correct, the parameter „Swap Controls Up/Down“ can be used to swap the direction.

Use the pushbutton connection on the blind/roller shutter actuator:

1) In the 'Luminaires' menu, tap 'Edit' and then tap the shutter actuator.

2) Scroll down the menu to select Push Button mode.

Casambi: Standard Casambi Push button input

Button: Function as push button - push=active; release=off

Group Button: Function as group button - push=on; release=off
If several blind actuators are combined as a group, one device in the group must be defined as the master.

Switch: Function as a switch - 1x push = on - 1x push = off; release is ignored

Group Switch: Function as a group switch - 1x push = on - 1x push = off
If several blind actuators are combined as a group, one device of the group must be defined as the master.