

Casambi Blind Actuator

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

Article no.: 1070 / Article no.: 1070H (mounting on DIN rail)

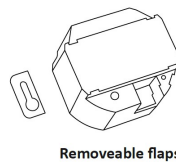
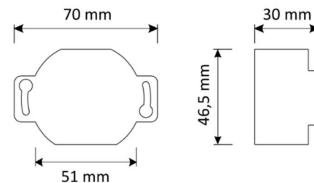
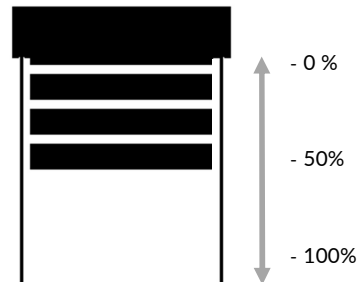
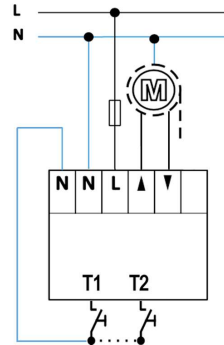
Description

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 Hz
Radio frequencies	2,4...2,483 GHz / +4 dBm
Switching output	2x 16A
Material	Plastic
Degree of protection	IP20
Stand-by consumption	0,22 W
Wire size	Max. 1,5mm ² (solid/stranded)
Operating elements and displays	Service button, status LED
Degree of protection / protection class	IP20 / II
Ambient temperature, ta	-0 C° - +50 C°
Weight	62 g
Dimensions	46 x 70 (51) x 30 mm
Push-button connection	2



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://www.aimotion-smartliving.de/en/support-en/download/> in the product category Switching Actuators.

Technical changes and errors excepted. 07.2021.

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 'Devices nearby'. Then tap the device, tap 'Change Profile' and follow the instructions.
- 3) In the Near 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:** Use of external switches (e.g. Switch 55)
 - 5.5 For this, select the profile 'Rollo / Shutter Buttons' and add it to the network as described.
 - 5.6 Next, tap 'More', then tap 'Switch' and select the switch you want to use to control the shutter actuator.
 - 5.7 In the next step, define which rocker should trigger which control command.
 - 5.8 Tap on 'Control an element'. Here you select the element 'Shutter Buttons' UP or DOWN' and then tap on 'Done'.

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 of the group must be defined as the master. The push button mode of the desired master must be set to Group Button. The other devices in the group are automatically slaves and the function of the master is executed

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. The push button mode of the desired master must be set to Group Switch. The other devices in the group are automatically slaves and the function of the master is executed

Setting the shutter actuator

Make the calibration/parameter setting:

6) In the 'Lights' 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: The inclination and adjustment of common blinds is estimated to be somewhere between $>0^\circ$ and $<90^\circ$ and will probably vary depending on type and design.

For this reason, we are currently refraining from giving the figures as angles in degrees instead of percentages.

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.

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 accepted.

Set drive direction:

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

Notes

Notes on the wired push-button connection

Make sure that no switches/buttons with latching function are connected, but standard installation buttons.

Notes on the operation of blinds

When the position is changed, the slat position naturally also changes depending on the direction of travel, as the angle is immanently linked to a specific travel path of the blind.

The blind actuator is so intelligent that - assuming exact times are available - the slat angle is reset to the previous value after horizontal movement.