



# LAMP CONCEPT

LIGHTING

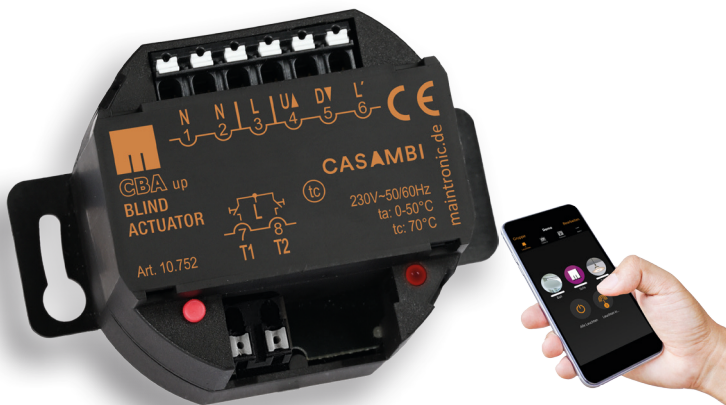


# CASAMBI



# Casambi blind actuator

CBA UP Item.No.: 10.752



- Casambi actuator for blinds ...
- Absolute horizontal positioning
- Slat angle control (on blinds)
- Two programmable inputs
- Easy to calibrate

Casambi blind actuator for roller blinds / blinds / awnings. Automate your environment with Casambi ready sensors. With your tablet or smartphone controlling and configuration such as control time functions is very convenient and easy. Safe operation, forget sticking relays thanks to built-in mutual locking.

Enabled with 2 programmable inputs, local control is so much easier. These inputs can be used as a direct pre-configured Up-Down pushbutton or control any casambi enabled device over Casambi input control. It's just a change of a parameter in the app.



**Astro functions (Sunrise, Sunset)**



**Scheduler and Scenes**



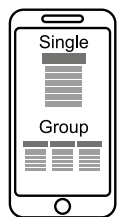
**Collective actions (Grouping)**



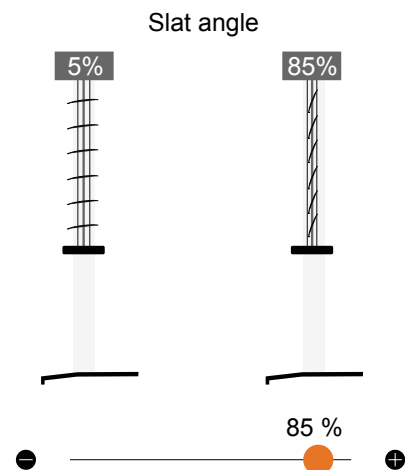
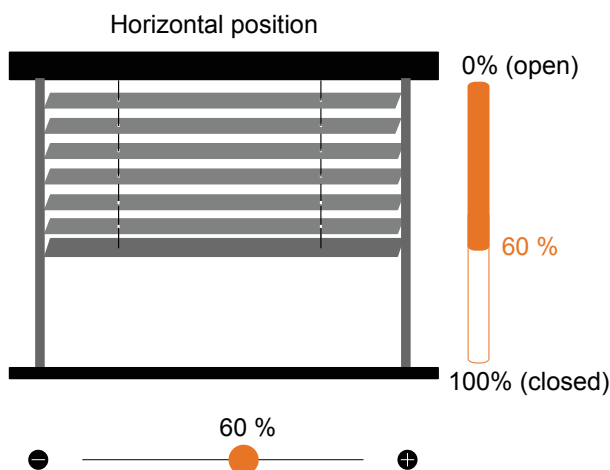
**Pushbutton inputs for local control**



**Remote push-button control (Easyfit or XPress)**



Casambi App automatically identifies the device and can be integrated into existing networks. All functions triggered by the buttons are individually configurable.

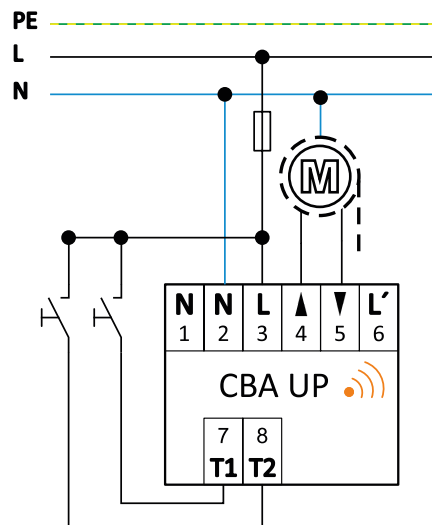


# Casambi blind actuator UP

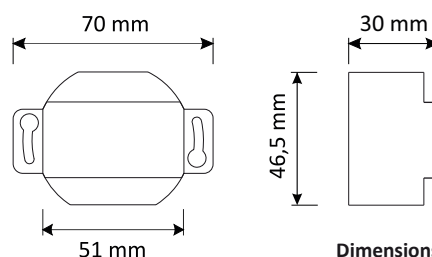
CBA UP Item.No.: 10.752

## Specifications

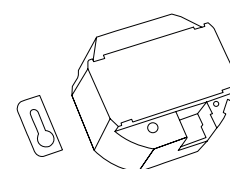
Power supply		100V ... 240V AC 50/60 Hz
Power consumption	watts (on idle / switching)	0.22W / 0.77W
Switching type		16A interlocked changeover
Fuse protection		max 10A
Terminals and Wiring	push-in spring connectors	fine/ single-wire: 0,5 ... 1,5 mm <sup>2</sup> (AWG20 ... AWG16) fine-wire with ferrule: 0,5 ... 0,75 mm <sup>2</sup> 9 mm (+/- 0,5 mm)
Striping length		
Controls and indicators		DeviceButton, Status-LED
Protocol	Casambi	App available for Android and Apple
Push-button-inputs	2 Inputs on mains voltage	2m cable length max. (on interference free environment)
Environment	Type of protection	IP20
	Protection class	Class II
	Temperature ambient ta	0° to 50° Celsius
	Temperature critical tc	+70° Celsius
	Humidity	5 ... 80% non-condensing (n.c.)
Applied standards	CE	DIN EN 60669-2-1 ETSI EN 301 489-1 v1.9.2 ETSI EN 301 489-17 v2.2.1 ETSI EN 300 328 v1.8.1
Design	Construction	Flush mouted housing
	Installation	flush-mounted or junction box
	Dimensions (height x width x depth) mm	46,5 x 70(51) x 30 (flaps can be removed)
	Ceiling installation	Ø 55mm
	Weight	70g
	Housing	plastics, black
Customs	HS-Code/ TARIC-Number	85365080



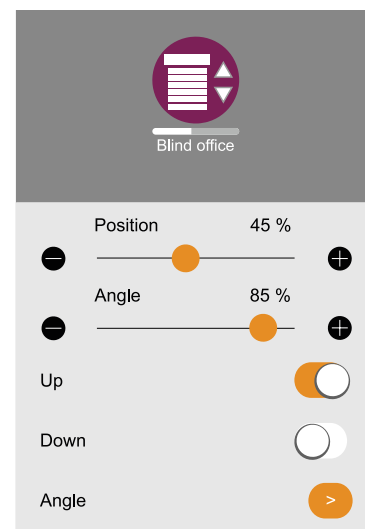
Connection diagram



Dimensions



Removeable flaps



Screenshot APP  
fixture  
CBA Blind +Button

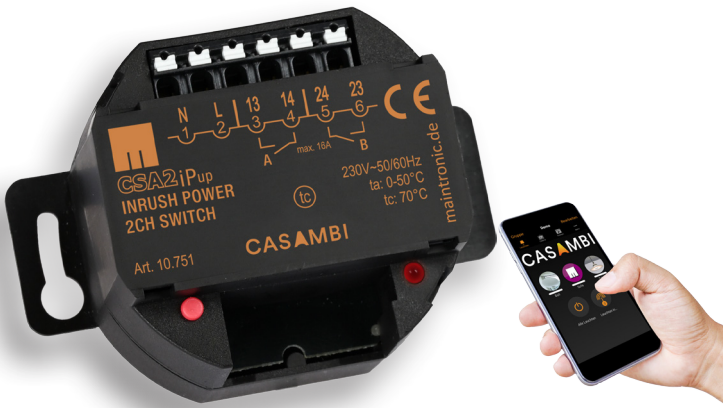


Easy commissioning and control  
by Casambi App



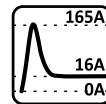
# Casambi Switch Actuator 2-fold 16A/165A

CSA2ip UP Item.No.: 10.751



- 2x normally open contacts
- 16 A 230V AC
- Inrush current upto 165A/20ms
- Energy saving bistable relays
- Wireless controlled by Casambi
- Rich timer features
- Manual 2-CH switching functions \*

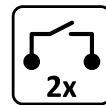
Two channel switch actuator with normally open contact for integration of any load into the Casambi wireless network. For loads with a high inrush currents under capacitive load shares (165A /20ms).



## High inrush current

Current peaks up to 165A.

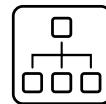
Automate your environment with Casambi ready sensors. With your tablet or smartphone controlling and configuration such as control time functions is very convenient and easy.



## Potential free contacts

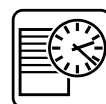
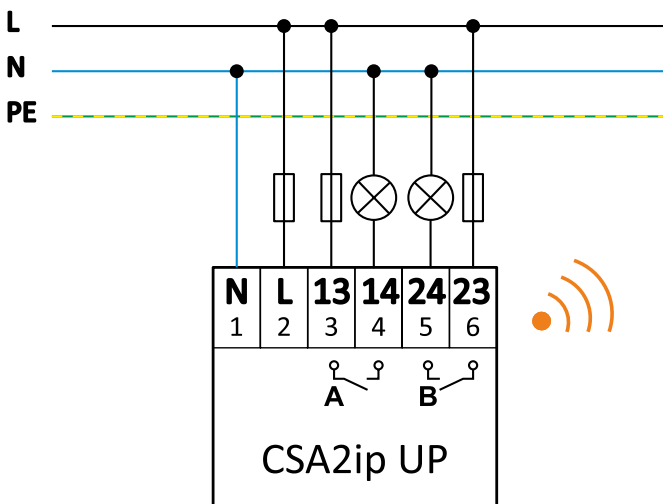
2 normally open inputs.

Extended comfort functions such as long key, toggle, scenes and group functions.



## Group devices

Create groups for joint control.



## Timer features

Run blinds with specific time.



## Casambi enabled wireless switches

Wireless Switch for fixed installations.

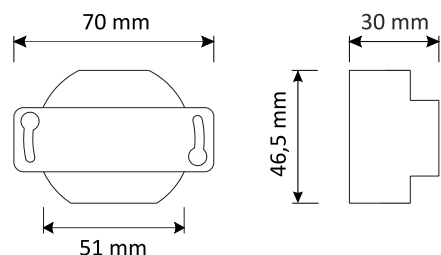


# Casambi Switch Actuator 2-fold 16A/165A

CSA2ip UP Item.No.: 10.751

## Specifications

supply		130 ... 240V AC 50/60Hz
Switching type		2 x 16 A/ max 240V AC
Fuse		External fuse max 16A required
Power consumption	Standby	0,22W
	Switch operation	0,70W
Terminals and wiring	Phoenix push-in spring connection	0,5 - 1,5 mm <sup>2</sup> fine / single-wire
		0,5 - 0,75 mm <sup>2</sup> fine-wire with ferrule
Controls and indicators		DeviceButton, Status-LED
Environment	Type of protection	IP20
	Protection class	Class II
	Temperature ambient ta	-0°...+50° Celsius
	Temperature critical tc	70° Celsius
	Humidity	5 - 80% non-condensing
Protocol	Casambi	App available for Android and Apple
Design	Construction	Flush mouted housing
	Mounting	Installation in junction boxes
	Dimensions (Height x width x depth) mm	46,5 x 70(51) x 30
	Weight	60g
	Ceiling installation	Ø 55mm
Customs	HS-Code/ TARIC-Number	85365080



Dimensions



Easy comissioning and control by  
Casambi App

### Please note for automation (\*):

At the moment there are restrictions for multi-channel devices in the Casambi firmware. The switching state of both switching paths (A/B) cannot be stored independently in a scene. If independent switching paths are necessary in the project, two modules should be used.

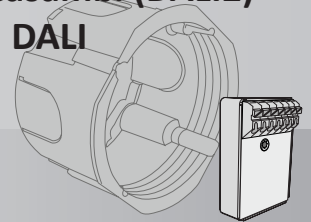


# Casambi Input Controller 4CH+DALI-Gateway

**CI4 DALI** Item.No.: 10.800



- 4-fold push-button-interface
- DALI push-button-coupler (DALI1)
- Casambi-wireless pushbutton
- Gateway: DALI to Casambi (DALI2)
- Power supply from DALI



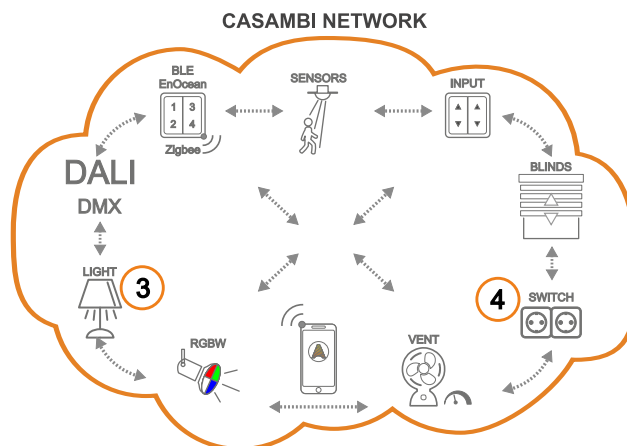
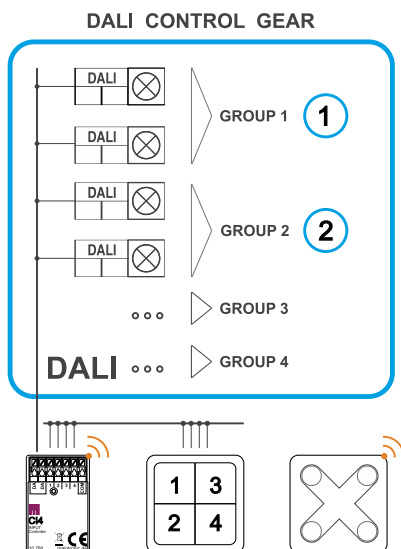
The CI4 DALI is a DALI pushbutton coupler as well as a Casambi wireless pushbutton. It has 4 potential-free inputs that can be connected either to a DALI circuit or to a Casambi network, depending on requirements. All push-buttons in conventional switch programs are suitable.

It is also possible to operate DALI control gear wireless via the Casambi App.

The device is powered from the DALI circuit.



The following applications can be implemented in any combination:

- Control of DALI devices on group level with up to 4 groups (fix G0-G3 and broadcast)
- Control of DALI devices on short address level with up to 4 DALI short addresses (fix A0-A3)
- Controlling an RGBW luminaire in DALI
- Controlling Casambi devices and scenes in a Casambi network
- Gateway: From DALI to Casambi (certain Casambi devices are emulated as DALI control gear)



Application example:

2x DALI groups +  
2x Casambi elements

- 1 → DALI GROUP 1
- 2 → DALI GROUP 2
- 3 → Casambi 
- 4 → Casambi 



# Casambi Input Controller 4CH+DALI-Gateway

CI4 DALI Item.No.: 10.800

## Specifications

Power supply	Powered from DALI	9,5 ... 22,5VDC
Current consumption	From DALI	< 6 mA
Inputs	4 Inputs Max. cable length	Volt free inputs 2m (interference free environment)
Anschlüsse	Wago push-in spring connection Type of cable Striping length	0,5 ... 1,5 mm <sup>2</sup> (AWG20 ... AWG16) Stranded / single wire 9 mm (+/- 0,5 mm)
DALI-Interface	Terminals DA, DA	DALI-Single-Master only
DALI-specifications	General requirements - System General requirements - Control devices	IEC 62386-101 IEC 62386-103
Environment	Type of protection	IP20
	Protection class	Class II
	Temperature ambient ta	-0°C ... +50°C
	Temperature critical tc	+70°C
	Humidity	15% ... 90% non-condensing
Design	Construction	Flush mouted housing
	Mounting	In installation boxes or in devices of protection class II
	Dimensions (Height x width x depth) mm	44 x 29 x 16,5
	Weight	20g
	Housing	Plastic, black
Scope of delivery:	Input controller, installation guide	
Customs	85423190	

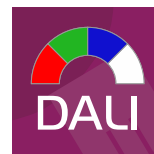
## Casambi fixtures:



**address controller**  
for 4 DALI short address



**group controller**  
for 4 DALI groups



**RGB+W**  
4 channel; DALI DT6

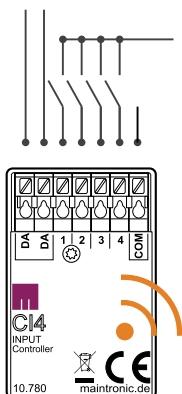


**gateway**  
Emulates Casambi  
Devices in a  
DALI network

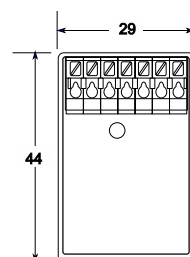
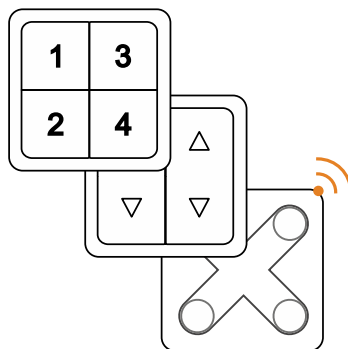


Easy commissioning and control  
by Casambi App

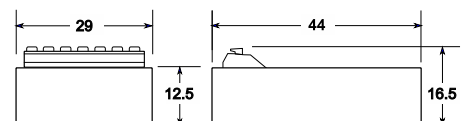
## DALI



Connection diagram



Dimensions

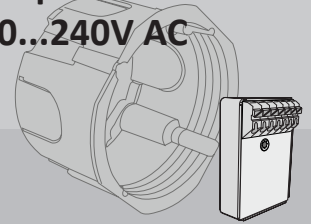


# Casambi Input Controller

CI4 AC Item.No.: 10.805



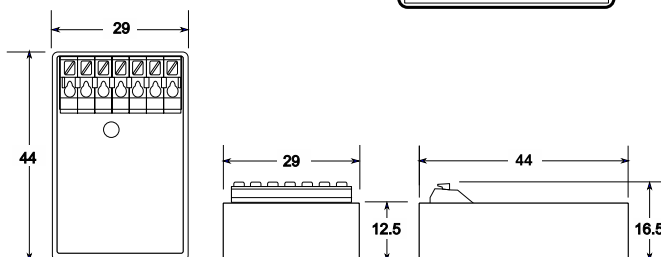
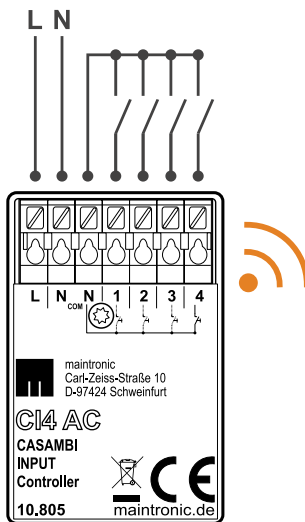
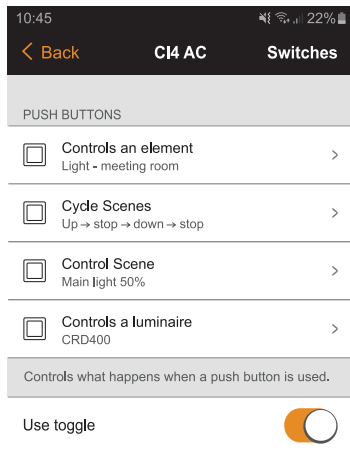
- 4-fold pushbutton Casambi interface
- Tiny dimensions 44x29x16 mm
- Casambi mesh net repeater
- Mains powered 100...240V AC



This Casambi controller has 4 push-button inputs suitable for all mains voltage approved push-buttons of the well-known switch manufacturers. The device is operated with mains voltage, the potential of the push button inputs are also mains voltage.

Casambi App automatically identifies the device and can be integrated into existing networks. All functions triggered by the buttons are individually configurable.

Power supply	100 ... 240V AC 50/60 Hz
Power consumption	<150mW
Inputs (push-buttons)	4 Inputs on mains voltage Max. cable length 2m (interference free environment)
Terminals Wiring	push-in spring connectors 0,5 ... 1,5 mm <sup>2</sup> (AWG20 ... AWG16) fine/ single-wire 0,5 ... 0,75 mm <sup>2</sup> fine-wire with ferrule 9 mm (+/- 0,5 mm)
Striping length	9 mm (+/- 0,5 mm)
Type of protection housing Protection class	IP20 II
Temperature ambient (ta) Temperature critical (tc)	0°C to +50°C +70°C
Applied standards	CE
Installation	flush-mounted or junction box
Dimensions (height x width x depth)	44 x 29 x 16 mm
Weight	20g
Housing	plastics, black
Customs tariff number	85423190



**Installation**  
Even if the device has tiny dimensions, a deep installation box (>60 mm) is highly recommended. Depending on which push-button is used, up to 30 mm of the available space must be deducted.

**Security disclaimer**  
All wiring and the push-buttons must be insulated for the maximum supply voltage. Ensure the appropriate contact protection after installation.

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Easy commissioning and control by Casambi App





# 1-4 Casambi+DALI LED-Converter 10-48V

## XLED4 CV Casambi

Item No.: 10.541



# CASAMBI

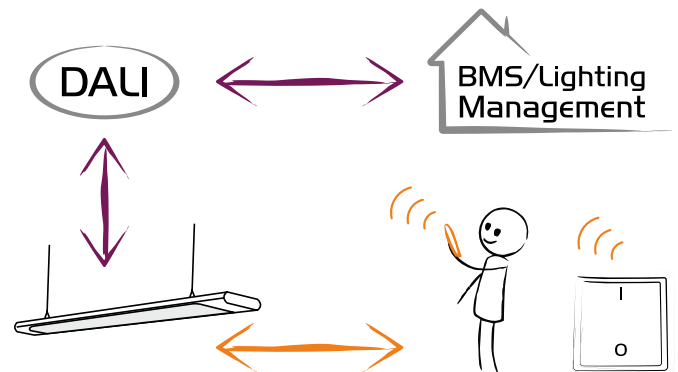
- 1-4 CH LED-dimmer constant voltage
- Control with Casambi, DALI / Push Button
- 4,4A / CH | 17,6A max. output current
- Plus Features: variable Fadetime and Dimmspeed, Soft-Off

### Brief description

LED ballast for comfortable and flexible control of LEDs with constant voltage (usually LED strips) through a smartphone or tablet. Selectable operation modes within Casambi profiles (TW; RGB-W; 1CH; 2CH; 4CH). Additionally DALI integrated, depending on the operation mode 1 to 4 channels.

With the integrated key input any Casambi device can be remotely controlled.

### Casambi as a DALI extension



### Channel-Link

For the different operation modes, the channels must be interconnected differently (Channel-Link). Please see the manual.



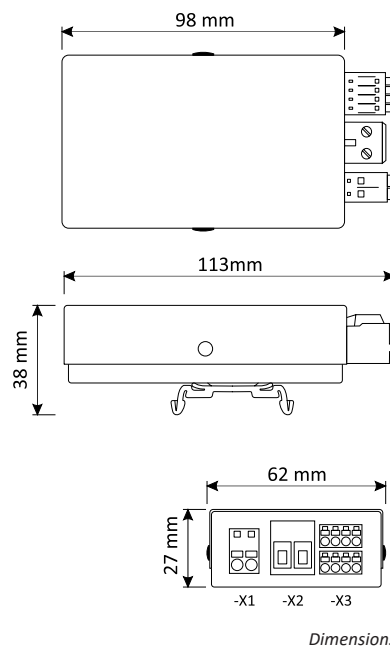
# 1-4 Casambi+DALI LED-Converter 10-48V

## XLED4 CV CASAMBI

Item No.: 10.541

Specification	item number 10.541	XLED4 CV DALI INS	
Operation Voltage	Pulse-proof constant voltage power supply	10...48V DC	
Power loss	Standby / Operation (rated power) Efficiency	< 023W / 2 W 99,5%	
Fuse		max. 16 A	
Outputs	4 output channels	common anode (+)	
Power consumption	Voltage	Current / channel	Current / total
	12V DC	4,4A	17,6A
	24V DC	4,4A	17,6A
	48V DC	2,2A	8,8A
PWM-frequency	adjustable	122Hz upto 976Hz	
Operation- and indication units	SETUP-button, SELECT-button, STATUS-LED (all recessed)		
Connections DALI D1/D2 (-X1)	Push-in spring connection	0,2 ... 2,5 mm <sup>2</sup> flexible or solid	
Connections power supply (-X2)	Screw connection Tightening torque max	0,2 ... 4 mm <sup>2</sup> flexible or solid max. 0,6Nm	
Connections LED output (-X3)	Push-in spring connection	0,2 ... 1,5 mm <sup>2</sup> flexible or solid	
Protocol input: DALI	IEC 62386-101/-102 (DALI-Version 1) Also compliant with IEC 60929 gear	IEC 62386-207, DALI device type 6 (LED Module)	
	Quantity DALI short adresses	4 (1 each channel) 1-4 dynamic, Channel-Link*	
	Current consumption from DALI	< 2mA / 9,5-22,5 V Manchester Code	
Dimming method	0.1%-100% output characteristic according IEC 62386-102, additional DSI or linear selectable		
Alternative control	tastDIM** 230V AC touch over DALI-input	(all channels together)	
Casambi	Bluetooth Low Energy		
Protection circuits	Short circuit shutdown with auto restart, thermal derating at overtemperature, overload shutdown		
Enviroment	Type of protection according DIN EN 60529	IP20 10mm/5KV	
	Protection class	II	
	Temperature (ambient) ta	-20°...+40° Celsius	
	Temperature (reference) tc Humidity	85° C 5 - 80% not condensing	
Approbation	CE-Mark		
Mounting design	Installation housing	ceiling-, wall- or cavity mounting	
	Optional DIN-Rail mounting		
Dimensions	(height x width x depth) mm	62 x 113 x 27 mm	
Lead-through opening		hole measurements 68 mm Ø	
Venting	clearance of 25mm arround is necessary for sufficient air circulation		
Housing	Aluminium housing, Plastic cover black/grey		
Weight		0,200 kg	
Customs	HS-Code/ TARIC-Number	85365005	
Co-applicable documents	Quick guide, home automation users compendium		

Important: Notice all safety instructions and related documents for Installation and operation.  
Names, brandmarks, products or companies can be claimed. All rights are on their respective owners.



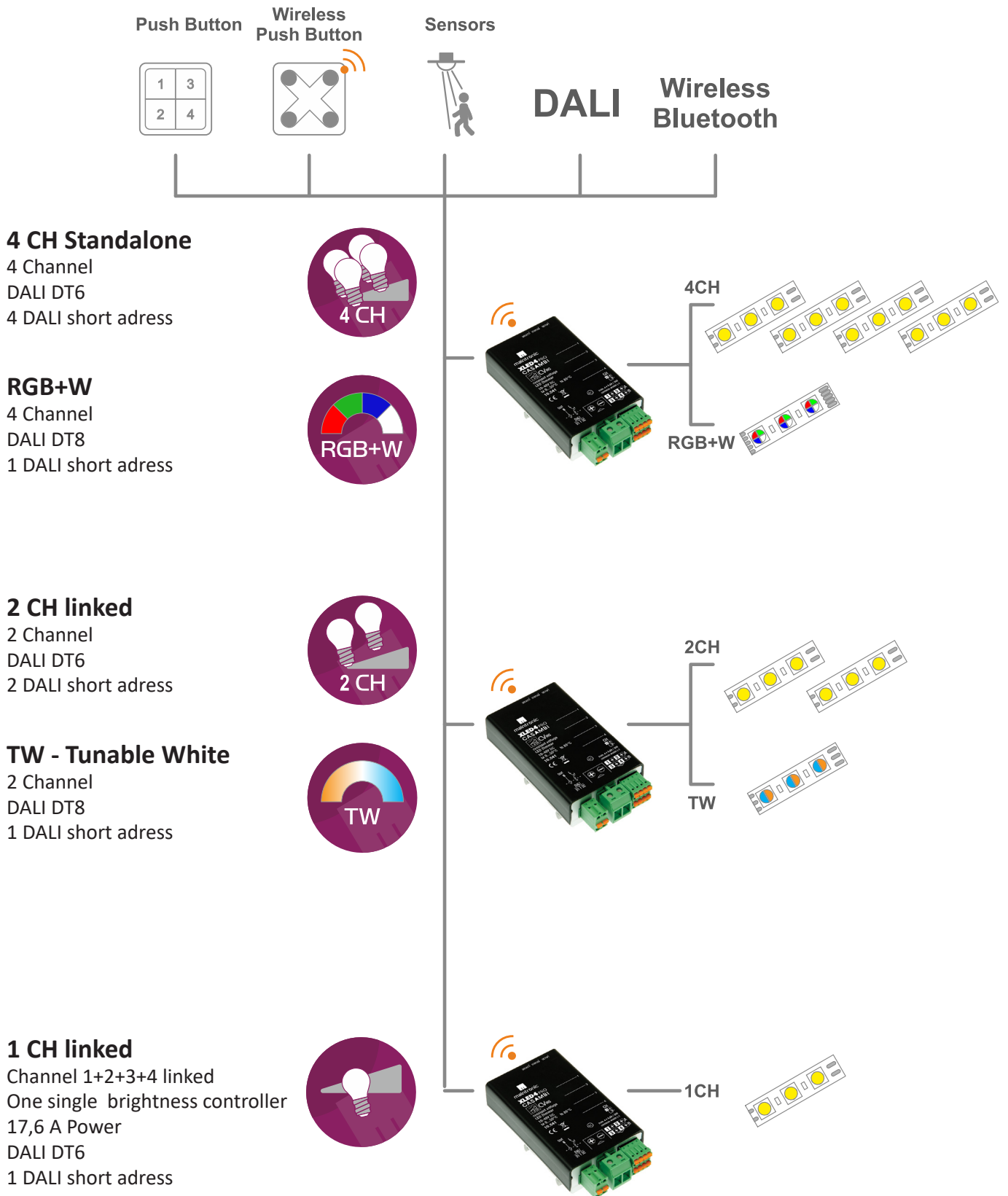
**One mounting design for all installation situations**  
Installation housing for installation in ceiling, wall or cavity and DIN-Rail mounting in distribution cabinets.



**XLED4 CV Casambi**

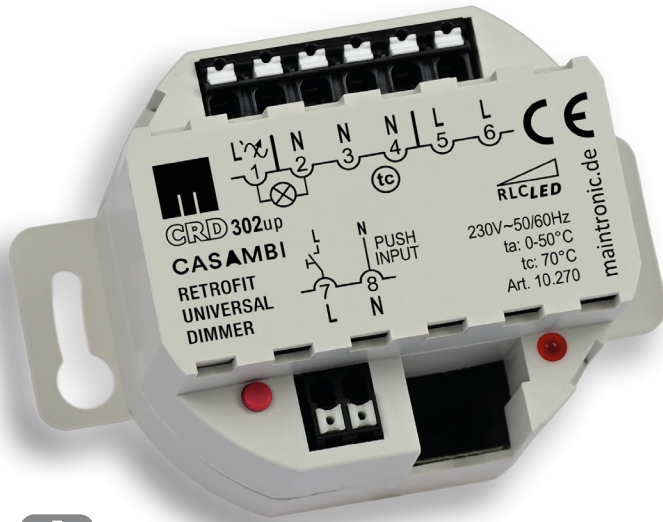
Item No.: 10.541

**Casambi operation modes - profiles:**



## CRD302 UP

Item number: 10.270



# CASAMBI

- Dimming load max. 300 VA
- R,L,C including LED Retrofit
- AdaptiveDIM (\*)
- Load number indicator (indication how much luminaires can be connected)
- Additional push-button input
- Control with Casambi and push-button
- Rich data and diagnostic tools

### Functions

Digital leading edge and trailing edge phase dimmer with automatic load detection for a single dimmed phase with a max. load of 300VA. Equipped with an additional push button input which extends the dimmer with an fast analogue control. Local control is so much easier.

### CASAMBI wireless operation

Casambi App automatically identifies the device and can be integrated into existing networks. All functions triggered by the buttons are individually configurable.

### Installation

Flush-mounted housing for installation in switch boxes or junction boxes. Attachment with side flaps, these can be removed for installation.



**Astro functions (Sunrise, Sunset)**



**Scheduler and Scenes**



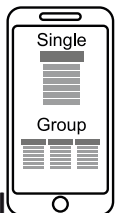
**Collective actions (Grouping)**



**Push-button inputs for local control**



**Remote push-button control (Easyfit or XPress)**



### AdaptiveDIM (\*)

The device has been specially developed to meet the requirements of modern LED lighting. Commissioning is very easy: Connect the target load, switch on, done.

AdaptiveDIM automatically determines the lowest stable operable brightness and the most balanced characteristic during initial setup. There is no need to figure out dimming methods or technical parameters.

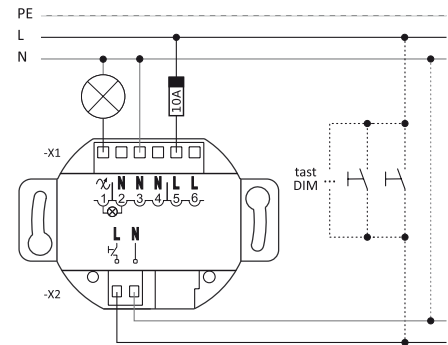


## CRD302 UP

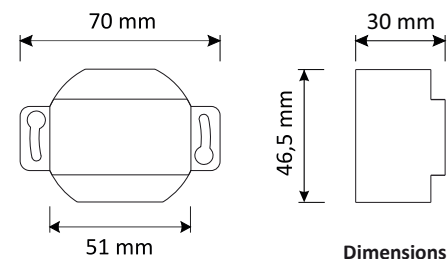
Item number: 10.270

### Specification

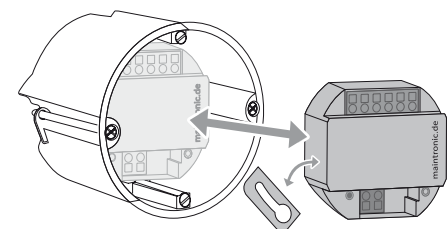
Power supply		220 ... 240V AC 50/60Hz
Max. output power		3 ... 300 VA
Power consumption	Watts (on idle / full load)	0,6W / 1,8W
Terminals, Wiring	push-in spring connectors	fine/ single-wire: 0,5 ... 1,5 mm <sup>2</sup> (AWG20 ... AWG16) fine-wire with ferrule: 0,5 ... 0,75 mm <sup>2</sup>
	Striping length Tightening torque	9 mm (+/- 0,5 mm) max. 0,2 Nm
Operation- and indication units		Device Button, Status-LED
Protection circuits		Short circuit with auto restart, over temperature (derating), over current, over Voltage
Environment	Type of protection	IP20, Class II
	Temperature ambient (ta)	-0°...+50° C
	Temperature critical (tc)	+70 °C
	Humidity	5 - 80% non-condensing
Casambi	Bluetooth Low Energy (BLE)	App available for Android and iOS
Alternate control		Casambi enabled push-button input (230V AC)
Approbation		CE
Design	Enclosure	Flush mouted housing
	Installation	Flush-mounted or junction box
	Dimensions (height x width x depth)	46,5 x 70(51) x 30 (flaps can be removed)
	Ceiling installation	Ø 55mm
	Weight	50g
	Housing	Plastics, grey
Customs tariff number	HS-Code/ TARIC-Number	85365080
Co-applicable documents		Installation instructions; manual
Important: Notice all safety instructions and related documents for Installation and operation.		



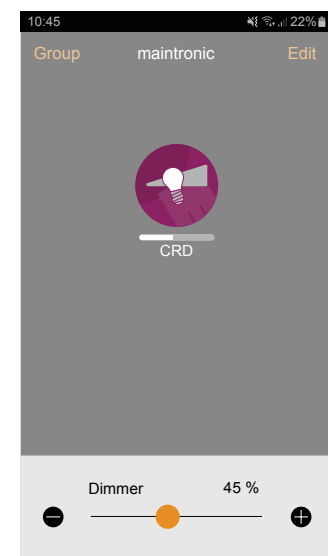
Connection diagram



Dimensions



Removeable flaps



Screenshot APP  
CRD



Easy comissioning and control  
by Casambi App





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