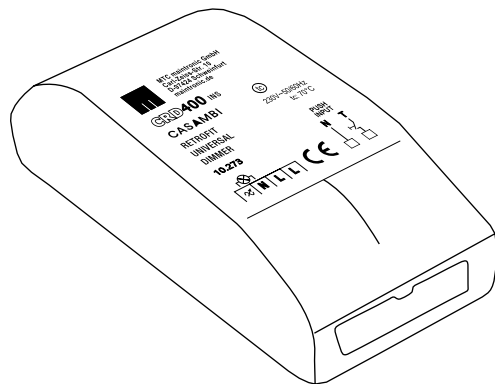


CRD200 INS | CRD400 INS

Casambi Retrofit Universal Dimmer

Installationsanleitung DE


Installation guide EN



Wichtiger Hinweis: Beachten Sie alle einschlägigen Sicherheitsrichtlinien und die mitgeltenden Unterlagen für die Installation und den Betrieb. Alle Namen wie Marken, Produkte oder Firmen können geschützt sein. Alle Rechte liegen bei ihren jeweiligen Eigentümern.

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

Gültig ab Version / Valid from Version		
Type:	Item No.	Hard- Firmware
CRD200 INS	10.272	H1 F1.2
CRD400 INS	10.273	H1 F1.2
Document: 10273_IN_de-en_CRD400INS_20210121		


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1. Funktionen / Eigenschaften

DE

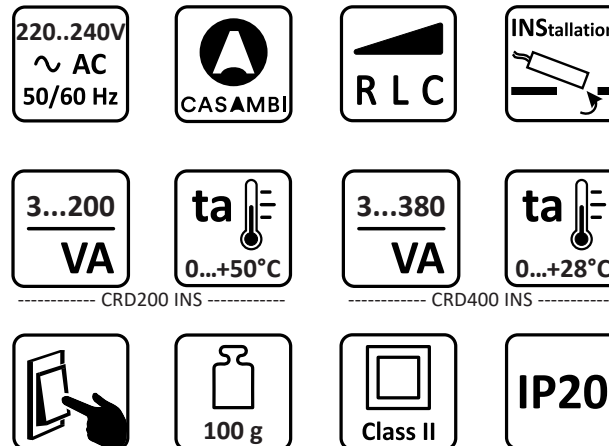


Abb. 1 - Icons Funktionen | Fig. 1 - Icons functions

Produkt	Art.Nr.	Leistung	Bauform
CRD200 INS	10.272	3...200VA	Installationsgehäuse (INS)
CRD400 INS	10.273	3...380VA	Installationsgehäuse (INS)

2. Bestimmungsgemäße Verwendung

Ein Kanal-Phasendimmer, zur Steuerung und Helligkeitsregelung von R,L,C einschließlich LED Retrofit Leuchtmitteln.

- Nur für den trockenen Innenbereich zugelassen
- Installationsgehäuse für den Ein- oder Aufbau in Wand, Decke oder Hohlräume
- Der Betrieb ist nur an 1 Phase zugelassen



Weitere Informationen und mitgeltende Unterlagen

<http://qr.maintronic.de/10273de>

3. Abmessungen und Einbau

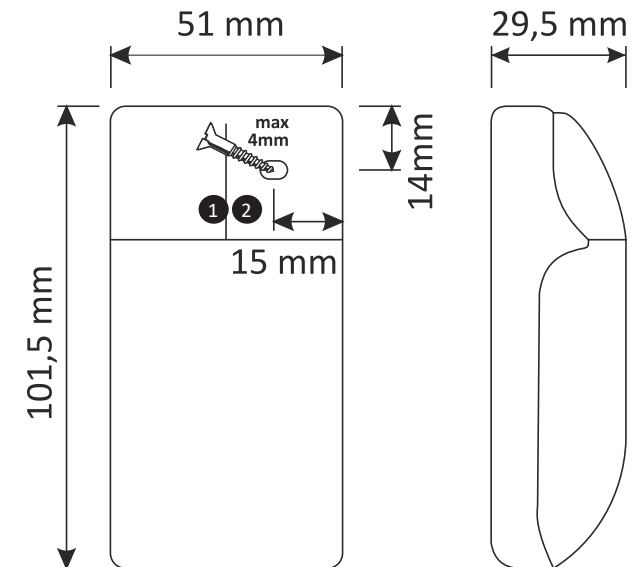


Abb. 2 - Gehäusemaße und Anschlüsse
Fig. 2 - Housing dimensions and connections

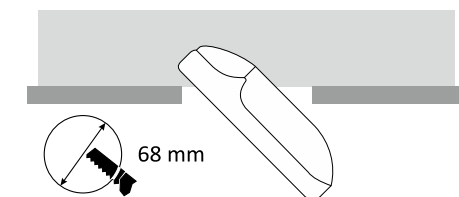


Abb. 3 - Installationsgehäuse für Decken- oder Hohlraumeinbau
Fig. 3 - Installation housing for ceiling or cavity installation

Detaillierte Informationen entnehmen Sie bitte dem Handbuch unter www.maintronic.de.

1. Functions and features

EN

See figure 1 - Icons functions

Product	Item No.	Power	Construction design
CRD200 INS	10.272	3...200VA	Installation housing (INS)
CRD400 INS	10.273	3...380VA	Installation housing (INS)

2. Intended use

One channel phase dimmer, for brightness control of R, L, C loads including LED retrofit lamps.

- Only approved for dry indoor use
- Installation housings for dry interiors for installation or mounting in walls, ceilings or other cavities
- Operation is only allowed on 1 phase



Further information and applicable documents
<http://qr.maintronic.de/10273en>

3. Installation

See figure 2 - Housing dimensions and connections


4. Controls and indicators

See figure 4 - Block diagramm

1	Device Button	Manual dimming
2	Status LED	Display status of the device

5. Connections

See figure 3 - Block diagramm

	1	Load output 230V AC	N	4	Input Voltage 230V AC
N	2	Neutral conductor	L	5	PushButton input N
N	3	Neutral conductor	N	6	PushButton input 230V AC

6. Initial operation

6.1 Automatic calibration (AdaptivDIM)

When commissioning for the first time, the dimmer will calibrate accordingly to the connected load (duration max. 60 sec.).

The dimmers are pre-set to a fixed dimming curve. In order to achieve optimum dimming behavior, the connected load can be measured and analyzed.



NOTE - During calibration, the connected lights may flicker. This is system-conditioned and not a defect of the device. The calibration must be completed and can not be interrupted by switching off the device otherwise the procedure must be repeated.

A new calibration is required when changing the light source. For a new calibration, please refer to the manual.

6.2 Power rating of retrofit dimmers

Load type	cutting method	Power output in percent	Calculated power load
Ohmic	trailing edge	approx. 100% of the rated power	CRD200 INS 200VA CRD400 INS 380VA
LED	trailing edge	approx. 70% of the rated power	CRD200 INS 140VA CRD400 INS 266VA
LED	leading edge	approx. 20% of the rated power	CRD200 INS 40VA CRD400 INS 76VA

Example: 28x 4W (rated power LED) + 20% power factor = 135 VA power to be processed. Specifications depend on the light source used and may vary upwards and downwards.

7. Operation

7.1 Operation via PushButton

The device is equipped with a PushButton input (pin 5 + 6), on which standard mains powered buttons can be connected. A button has the same priority as the Casambi APP, the last one wins. Note, the N contact must be connected to pin 5.

Functions DeviceButton 1 / PushButton Input

Functions	keystroke
Switch On- / Off	short press
Set to last saved brightness	
Dimming Up and Down (Start at Min Level)	long press
Switching to Max Level	2x short press

7.2 Operation via Casambi

The CRDxx series dimmers is equipped with a Bluetooth Casambi interface and can be operated via smartphone with the Casambi APP.

For detailed information please refer to the manual at www.maintronic.de.

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