

BL-201-02-868 UP RGBW EnOcean-DALI-Controller

Light controller with fixed functionality: Controlling of RGBW lamps, Device Type 8 / Colour Control with control unit interface

Part nr.: 10985

Interfaces: 1x DALI Master, 1x EnOcean Master bidirectional, supply voltage: 230 V AC



DALI

The **BL-201-02-868 UP RGBW** EnOcean-DALI-Controller provides one DALI master and an integrated DALI power supply for the direct connection of up to 17 slaves (Iout max.= 34 mA), without a separate DALI power supply.

Also an EnOcean wireless transceiver is integrated. This allows the smart and easy integration and combination of DALI ballasts or DALI LED drivers and light switches with wireless EnOcean technology. The device is supplied by 230 V AC line voltage.

Up to 17 DALI ballasts with addresses 0 and 1 can be operated and dimmed by a double rocker as a fixed function.

Technical data

Interfaces

Type	DALI Master
Number	1
Output current	Max. 34 mA (17 slaves)
Output voltage	Typ. 16V DC (+/- 5%)
Galvanic isolation	Yes

Type	EnOcean Master
Number	1
Transmit / Receive frequency	868.0 MHz / ASK
Occupied frequency band	868.0 – 868.6 MHz
Maximum transmission power	Typ. 3 dBm @ 868.300 MHz
EN 300200 receiver category	2

User interfaces

Service button	Yes, 1, at the side
Service LED	1x, red

Housing / connectors

Connection technology	Screw contacts, max. 1,0mm ² flexible with cable end sleeves, or 1,5mm ² inflexible
Housing	UL-V0, black, for in-wall housing

Power supply

Supply voltage	230V AC
Power consumption	Typ. 2.8W, max 4.0W

Environmental conditions

Operating temperature	+5°..+50°C
Storage temperature	-20°..+70°C
Humidity	10..95% rel. Humidity, non condensing
Protection class	IP20

Dimensions and weight

Weight	40g
Dimensions	51x51x33 mm

Standards / approvals

CE	2014/53/EU RED directive 2011/65/EU RoHS directive
Approvals / tests	DIN EN 60950-1:2011 + A12 Cor. 1:2012 + Cor. 1:2012 EN 61000-6-2:2005 EN 61000-6-3:2007 + A1:2011 + Cor 1:2012 EN 301 489-1:2011 V1.9.2 EN 301 489-3:2013 V1.6.1 EN 300 220-2:2012 V2.4.1

Short description

Supply voltage

The BL-201-02-868 UP RGBW is supplied with 230 V AC line voltage.

DALI Master

The BL-201-02-868 UP RGBW provides a DALI master according to the DALI specification. In addition, a DALI power supply is integrated. Up to 17 DALI ballasts (Imax = 34 mA) can be connected to the controller without an additional DALI power supply.

EnOcean Master / bidirectional

The integrated transceiver of type TCM310 is used to communicate with EnOcean light switches. (RPS Telegram).

Service button / Service LED

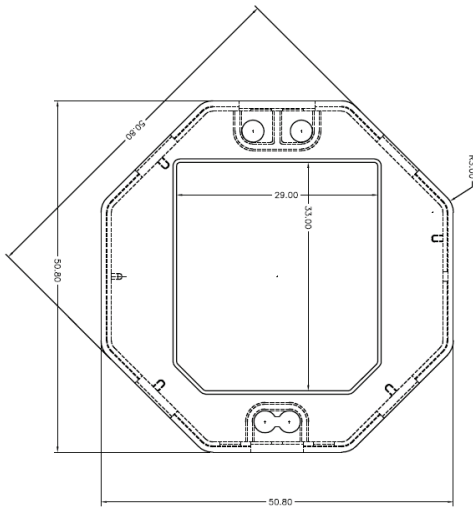
The BL-201-02-868 UP RGBW offers a service button to teach in one or more light switches. By the red service LED, several status informations will be displayed. (see below)

Controller functions

BL-201-02-868 UP RGBW: : Control unit interface for lamps Device Type 8, Colour Control, RGBW via Broadcast:

Push service button <= 1 sec.:	Sets BL-201-02-868 UP RGBW into learn-mode, service LED is steady on: Control unit sends a telegram according to EEP "A5-38-9" -> Control unit is paired.
Push Service button >=2 sec.:	Service-LED will turn on for < 1 sec.: No more controller is paired with the BL-201-02-868 UP RGBW
Control unit sends telegram, function code 7:	RGB value of the received frame is send to all connected Device Type 8 DALI slaves as dim level via broadcast command.
Control unit sends telegram, function code 6:	Data byte 3 is used as fading time for all following colour transitions.

Dimensions: 51 x 51 x 33 mm

**Ordering information**

Article text	Part number	Description
BL-201-02-868 UP RGBW	10985	EnOcean-DALI-Controller series BL-201 funktion: DALI Broadcast RGBW Device Type 8 Colour Control, Control interface unit 230V AC, 868MHz, in-wall housing

EU Declaration of Conformity

Hereby the DEUTA Controls GmbH declares that the radio equipment type **BL-201-02-868 UP RGBW** is compliant with the directive 2014/53/EU. You can download the complete EU Declaration of Conformity as a pdf-document on our homepage www.deuta-controls.de in the area Service/Downloads (Dok. EUDC2017_106).

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