

BL-201-03-868 UP RGB EnOcean-DALI-Controller

Light controller with fixed functionality: Control unit interface for RGB lights via 3 data bytes

Part nr.: 11064

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



DALI

The **BL-201-03-868 UP RGB** 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.

As a fixed functionality, **the controller can control RGB luminaires with address 0, 1 and 2. Data contents have to be send from a programmable PLC.**

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-201-03-868 UP RGB is supplied with 230 V AC line voltage.

DALI Master

The BL-201-03-868 UP RGB 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-201-03-868 UP RGB 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)

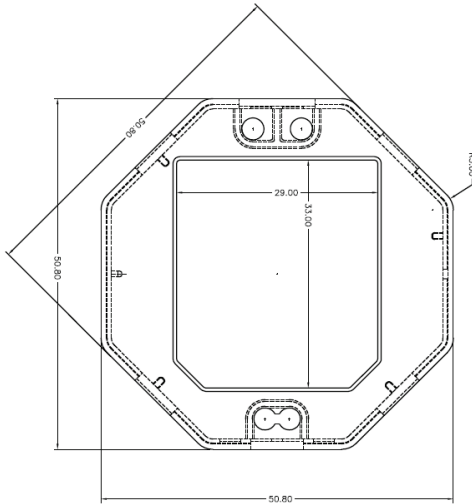
Controller functions

BL-201-03-868 UP RGB: Control interface unit for RGB lights:

Push service button <= 1 sec.:	<p>Sets BL-201-03-868 UP RGB into learn-mode, service LED is steady on:</p> <p>a) EnOcean switch is pressed: Switch is paired with the BL-201-03-868 UP RGB</p> <p>b) Control Unit sends a telegram according EEP "A5-38-9": Control Unit is paired</p>
Push Service button >=2 sec.:	<p>Service-LED will turn on for < 1 sec.:</p> <p>No more controller/switch is paired with the BL-201-03-868 UP RGB</p>
Push Service button >=5 sec.:	<p>Service-LED will turn on again for 1 sec.:</p> <p>DALI slaves will be addressed. First three addresses on the DALI line will be configured to addresses 0 to 2. In case of a combined RGB slave, this is usually as follows: 0=R, 1=G, 2=B.</p>
Keypress rocker top short:	Switch on all DALI ballasts.
Keypress rocker bottom short:	Switch off all DALI ballasts.
Keypress rocker top long:	Brighten of ballasts until key is released or 100% is reached.
Keypress rocker bottom long:	Dim of ballasts until key is released or 0% is reached.

Control unit sends telegram, function code 7: RGB value of the received telegram is send to all connected DALI slaves as dim level: DB3 / red to DALI Adr. 0, DB2 / green to DALI adr. 1 and DB1 / blue to DALI adr. 2.

Control unit sends telegram, function code 7: 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-201-03-868 UP RGB	11064	EnOcean-DALI-Controller series BL-201 funktion: RGB via 3 data bytes, 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-201-03-868 UP RGB** 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_107).

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