

BL-201-01-868 UP 2xADR EnOcean-DALI-Controller

Light controller with fixed functionality: 2 addresses ON/OFF/DIM with double rocker

Part nr.: 10945

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



DALI

The **BL-201-01-868 UP 2xADR** 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-201-01-868 UP 2xADR is supplied with 230 V AC line voltage.

DALI Master

The BL-201-01-868 UP 2xADR 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-201-01-868 UP 2xADR offers a service button to teach in one or more light switches.

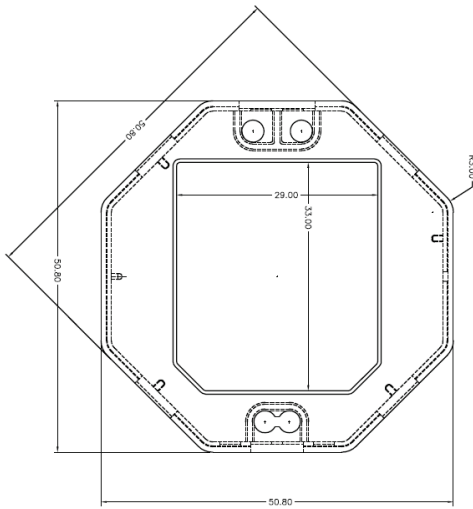
By the red service LED, several status informations will be displayed. (see below)

Controller functions (since delivery date 01.06.2017)

Double-rocker to control 2 addressed DALI ballasts, **no broadcast**, for example **cold / warm** white:

| | |
|---|--|
| Push service button <= 1 sec.: | Sets BL-201-01-868 UP 2xADR into learn-mode, service LED is steady on: |
| | EnOcean switch is pressed shortly.: Switch is paired with the BL-201-01-868 UP 2xADR. |
| Push Service button >=2 sec.: | Service-LED will turn on for < 1 sec.: |
| | No more switch is paired with the BL-201-01-868 UP 2xADR. |
| Push Service button >=5 sec.: | Service-LED will turn on again for 1 sec.: |
| | DALI slaves will be addressed. First two addresses on the DALI line will be configured to address 0 and 1. |
| Keypress, rocker 1 / 2 , short top | Switch on ballast with address 0 / 1 on DALI line. |
| Keypress, rocker 1 / 2 , short bottom: | Switch off ballast with adress 0 / 1 on DALI line. |
| Keypress, rocker 1 / 2 , long top: | Brighten of ballast with address 0 / 1 until key is released or 100% is reached. |
| Keypress, rocker 1 / 2 , long bottom: | Dim of ballasts with address 0 / 1 until key is released or 0% is reached. |
| Changing rocker assignment: | For changing rocker A with rocker B, learn in the keypress once again. (push service button <= 1 sec.:). |

Dimensions: 51 x 51 x 33 mm


Ordering information

| Article text | Part number | Description |
|------------------------|-------------|--|
| BL-201-01-868 UP 2xADR | 10945 | EnOcean-DALI-Controller series BL-201 function: 2x addresses ON/OFF/DIM with double rocker 230V AC, 868MHz, in-wall housing |

EU Declaration of Conformity

Hereby the DEUTA Controls GmbH declares that the radio equipment type BL-201-01-868 UP 2x ADR 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_105).

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