
BL-202-01-868 EVG 2xADR, EnOcean-DALI-Controller

**Light controller with fixed functionality:
DALI short addresses 0 and 1 ON/OFF/DIM, double rocker**

Part nr.: 11657

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



DALI

The BL-202-01-868 EVG 2xADR EnOcean-DALI-Controller provides one DALI master and an integrated DALI power supply for the direct connection of up to 15 slaves (I_{out} max.= 30 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 15 DALI ballasts with DALI short addresses 0 and 1 can be operated and dimmed by a double rocker.

Technical data

Interfaces

| | |
|--------------------|--------------------------|
| Type | DALI Master |
| Number | 1 |
| Output current | Max. 30 mA (15 ballasts) |
| Output voltage | Typ. 16V DC (+/- 5%) |
| Galvanic isolation | Yes |

| | |
|------------------------------|--------------------------|
| Type | EnOcean |
| 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

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|----------------|----------------------|
| Service button | Yes, 1, at the front |
| Service LED | 1x, red |

Housing / connectors

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|-----------------------|---|
| Connection technology | Spring clip, push-in, max. 1.5mm ² inflexible, max. 1.0mm ² flexible with cable end sleeves |
| Housing | UL-V0, light grey |

Power supply

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|-------------------|---------------------|
| Supply voltage | 230V AC |
| Power consumption | Typ. 0.8W, max 1.5W |

Environmental conditions

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

Dimensions and weight

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|------------|------------------|
| Weight | 55g |
| Dimensions | 148 x 21 x 19 mm |

Standards / approvals

| | |
|-------------------|--|
| CE | 2014/53/EU RED directive 2011/65/EU RoHS directive |
| Approvals / tests | EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + AC:2011 + A2:2013 ETSI EG 203 367 DIN/EN 55032 EN/IEC 61000-4-2 EN/IEC 61000-4-3 EN/IEC 61000-4-4 EN/IEC 61000-4-5 EN/IEC 61000-4-6 |

Table of supported EEP (EnOcean Equipment Profile)

| Ref. nr. | EEP | Description |
|----------|----------|---|
| 1 | F6-02-01 | Light and Blind Control - Application Style 1 |
| 2 | F6-02-02 | Light and Blind Control - Application Style 2 |
| 3 | F6-02-03 | Light Control - Application Style 1 |

Short description

Supply voltage

The BL-202-01-868 EVG 2xADR is supplied with 230 V AC line voltage.

DALI Master

The BL-202-01-868 EVG 2xADR provides a DALI master according to the DALI specification. In addition, a DALI power supply is integrated. Up to 15 slaves ($I_{max} = 30 \text{ mA}$) 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-202-01-868 EVG 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)

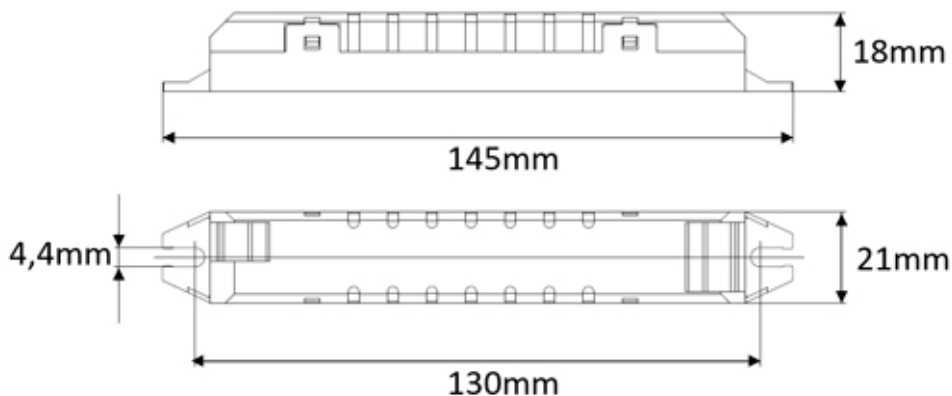
Controller functions

The BL-202-01-868 EVG 2xADR controller allows up to 10 EnOcean wireless switches with double rocker to be taught in. The double-rocker is used to switch and dim 2 addressed DALI ballasts (with short address 0 and 1)

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|---|--|
| Push service button $\leq 1 \text{ sec.}$: | Sets 202-01-868 EVG 2xADR into learn-mode, service LED is steady on: EnOcean switch is pressed shortly.: Switch is paired with the BL-202-01-868 EVG 2xADR. |
| Push Service button $\geq 2 \text{ sec.}$: | Service-LED will turn on for $< 1 \text{ sec.}$: No more switch is paired with the BL-202-01-868 EVG 2xADR |
| Push Service button $\geq 5 \text{ sec.}$: | 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 address 0 / 1 on DALI line. |
| Keypress, rocker 1 / 2 , long top: | Brighten ballast with address 0 / 1 until key is released or 100% is reached. |
| Keypress, rocker 1 / 2 , long bottom: | Dim 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



Ordering information

| Article text | Part number | Description |
|-------------------------|-------------|---|
| BL-202-01-868 EVG 2xADR | 11657 | EnOcean-DALI-Controller series BL-202 function: 2x addresses ON/OFF/DIM with double rocker 230V AC, 868MHz, EVG housing |

EU Declaration of Conformity

Hereby the DEUTA Controls GmbH declares that the radio equipment type **BL-202-01-868 EVG 2xADR** 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 (Doc. EUDC2020_148).

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