

BL-201-10-868 UP FLEX, EnOcean-DALI-Controller

Light controller, free configurable with PC-Software BL-PC-FLEX-2

Part nr.: 11214

Interfaces:

1x DALI Master, 1x EnOcean bi-directional, supply voltage: 230 V AC



DALI

The EnOcean-DALI-Controller **BL-201-10-868 UP FLEX** provides one DALI Master and an integrated DALI power supply to connect up to 17 DALI Slaves / ballasts (I_{out} max.= 34 mA). No external DALI power supply is needed.

In addition, an EnOcean wireless transceiver is integrated. These interfaces allow to setup an easy combination of DALI ballasts or LED drivers and wireless EnOcean technology, like light switches.

The controller has to be supplied by 230V AC

It is **free configurable** via PC configuration tool **BL-PC-FLEX-2** (formerly BL-PC-FLEX, has to be ordered separately).

Technical data

Interfaces

| | |
|--------------------|--------------------------|
| Type | DALI Master |
| Number | 1 |
| Output current | Max. 34 mA (17 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

| | |
|----------------|---------------------|
| 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. 1.4W, max 2.0W |

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 | 51 x 51 x 33 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) (08.04.2020)

| Lfd. Nr. | EEP | Beschreibung |
|----------|----------|---|
| 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 |
| 4 | A5-07-01 | Occupancy with Supply voltage monitor |
| 5 | A5-07-02 | Occupancy with Supply voltage monitor |
| 6 | A5-07-03 | Occupancy with Supply voltage monitor and 10-bit illumination measurement |
| 7 | A5-06-01 | Light Sensor, range 300lx to 60.000lx |
| 8 | A5-06-02 | Ligth sensor, range 0lx to 1.020lx |
| 9 | A5-08-01 | Range 0lx to 510lx, 0°C to +51°C and Occupancy Button |

Short description

Supply voltage

The BL-201-10-868 UP FLEX is supplied with 230 V AC line voltage.

DALI Master

The BL-201-10-868 UP FLEX provides a DALI master according to the DALI specification. In addition, a DALI power supply is integrated. Up to 17 slaves ($I_{max} = 34 \text{ mA}$) can be connected to the controller without an additional DALI power supply.

EnOcean

The integrated transceiver of type TCM310 is used to communicate with EnOcean sensors (see table above). At the same time, when used in transparent mode, it sends reply messages received from DALI ballasts / drivers by the EnOcean interface.

Service button / Service LED

The BL-201-10-868 UP FLEX has a service button. This button has actually no function. By the red service LED, several status information will be displayed (see below).

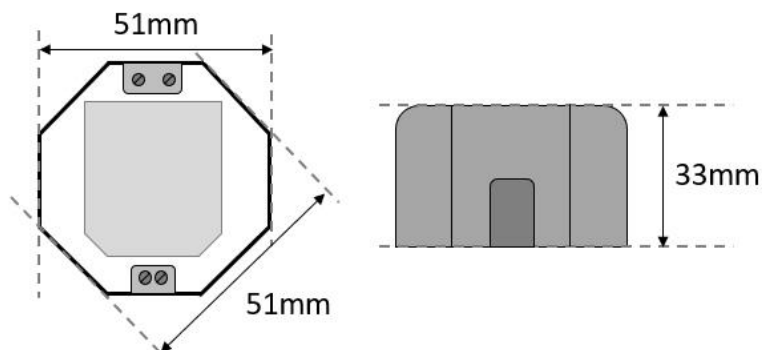
Controller functions

The EnOcean-DALI-Controller BL-201-10-868 UP FLEX has to be configured with the PC configuration tool BL-PC-FLEX-2 (formerly BL-PC-FLEX) wireless with an EnOcean USB stick.

Many functions are available, for example DALI address assignment, DALI group assignment, timer and DALI scene setup. You can configure light switches, ambient light sensors and motion detectors to control the connected DALI ballasts. For a detailed description of the FLEX functionality, please read the manual of the BL-PC-FLEX-2 software.

You will find the documentation on our homepage www.deuta-controls.net. Once you have installed the software, you will find the manuals in the tool bar under „Show Help“.

Dimensions



Ordering information

| Article text | Part number | Description |
|-----------------------|-------------|---|
| BL-201-10-868 UP FLEX | 11214 | EnOcean-DALI-Controller series BL-201 function: free configurable with BL-PC-FLEX-2 software; 230V AC, 868MHz, in-wall housing |

EU Declaration of Conformity

Hereby the DEUTA Controls GmbH declares that the radio equipment type **BL-201-10-868 UP FLEX** 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_144).

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