

BL-202-00-868 EVG BROADCAST, EnOcean-DALI-Controller

Light controller with fixed functionality: DALI BROADCAST ON/OFF/DIM, single rocker

Part nr.: 11622

Interfaces:

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



DALI

The BL-202-00-868 EVG BROADCAST EnOcean-DALI-Controller provides one DALI master and an integrated DALI power supply for the direct connection of up to 15 Slaves (Iout 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 can be operated and dimmed simultaneously via **DALI BROADCAST** with a single rocker as a fixed function.

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

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

Housing / connectors

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

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

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	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-202-00-868 EVG BROADCAST is supplied with 230 V AC line voltage.

DALI Master

The BL-202-00-868 EVG BROADCAST 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

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

Service button/ Service LED

The BL-202-00-868 EVG BROADCAST offers a service button to teach in one or more light switches (up to ten). By the red service LED, several status informations will be displayed. (see below)

Controller functions

The BL-202-00-868 EVG BROADCAST controller allows up to 10 EnOcean wireless switches with single rocker to be teached in.

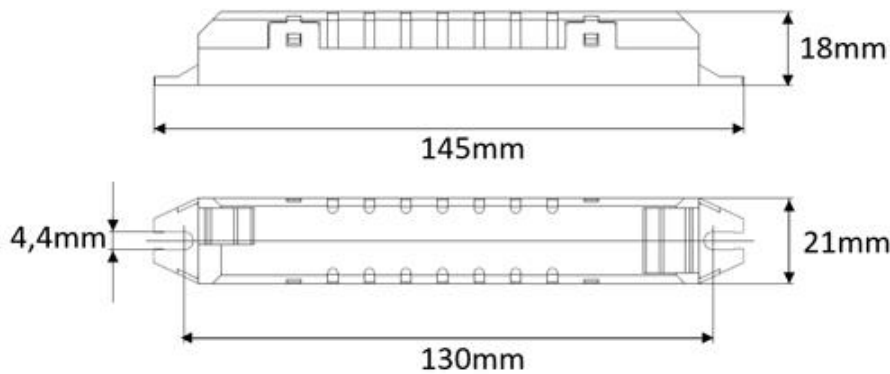
Push service button $\leq 1 \text{ sec.}$:	Sets BL-202-00-868 EVG BROADCAST into learn-mode, service LED is steady on: EnOcean switch is pressed: Switch is paired with BL-202-00-868 EVG BROADCAST
Push Service button $\geq 2 \text{ sec.}$:	Service-LED will turn on for $< 1 \text{ sec.}$: No more controller is paired with the BL-202
Keypress / rocker top short:	Switch on all ballasts on DALI line

- Keypress / rocker bottom short: Switch off all ballasts on DALI line.

- Keypress / rocker top long: Brighten off all DALI ballasts until key is released or 100% is reached.

- Keypress / rocker bottom long: Dim off all DALI ballasts until key is released or 0% is reached..

Dimensions



Ordering information

Article text	Part number	Description
BL-202-00-868 EVG BROADCAST	11622	EnOcean-DALI-Controller series BL-202 function: DALI Broadcast ON/OFF/DIM, single rocker 230V AC, 868MHz, EVG housing

EU Declaration of Conformity

Hereby the DEUTA Controls GmbH declares that the radio equipment type **BL-202-00-868 EVG BROADCAST** 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. EUDC2020_147).

Version 20, 09.04.2020