

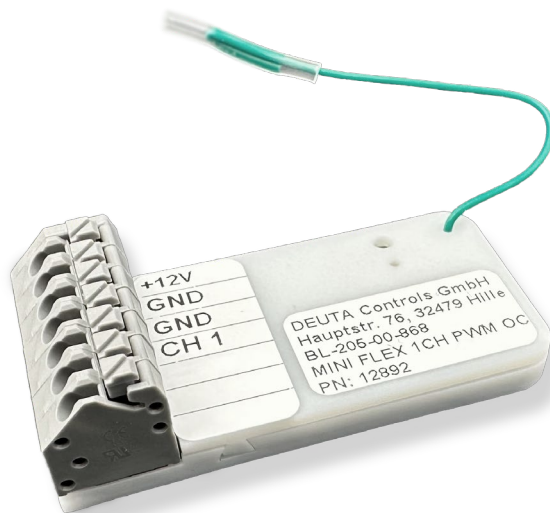
BL-205-10-868 MINI FLEX 1CH PWM OC

EnOcean light controller, freely configurable with PC software BL-PC-FLEX-2

Item no.: 12892

Interfaces:

1x PWM OUT Open Collector, 1x EnOcean bi-directional, supply voltage: +12 V DC



The EnOcean PWM light controller **BL-205-10-868 MINI FLEX 1CH PWM OC** has a simple PWM Open Collector output to control a standard LED driver.

An EnOcean radio transceiver is also integrated. This enables the simple and trouble-free combination of low-cost LED drivers with wireless EnOcean technology.

The device is supplied with +12 V DC low voltage, normally supplied by the AUX output of the LED driver.

The controller offers **freely configurable functions** via the **BL-PC-FLEX-2** PC tool. It supports for example wireless light switches / push buttons and motion detectors.

Also timer based functions for delayed power off are available.

Technical data

Interfaces

Type	PWM Output
Quantity	1
Output current	Max. 100 mA
Max. pull-up voltage	Max. 24 V DC
Galvanic isolation	No

Type	EnOcean
Quantity	1
Transmit/receive center frequency	868.0 MHz / ASK
Frequency range used	868.0 - 868.6 MHz
Maximum transmission power	Max. 10 dBm @ 868.300 MHz
Receiver category according to EN 300200	2

User interfaces

Service button	Yes housing
Service LED	1x, green

Housing / connection technology

Connection technology	Spring terminals, push-in, max. 1,5 mm ² rigid, max. 1 mm ² flexible with ferrules
Housing	UL-V0, light gray

Supply

Supply voltage	12 V DC
Supply current	Max. 25 mA

Ambient conditions

Operating temperature	-20 °C.. +50 °C
Storage temperature	-20 °C .. +50 °C
Air humidity	10..95% relative humidity, non-condensing
Protection class	IP20

Dimensions and weight

Weight	12 g
Dimensions	54 x 27 x 17 mm

Tests / approvals

CE	2014/53/EU RED Directive 2011/65/EU RoHS Directive
Examinations	ETSI EN 300 220-2 V3.2.1 (2018-06) ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-3 V2.3.2 (2023-01)

Table of supported EEP (EnOcean Equipment Profile) (as of 10.04.2025)

No. No.	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
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	Light sensor, range 0lx to 1.020lx
9	A5-08-01	Range 0lx to 510lx, 0°C to +51°C and Occupancy Button

Brief description

Power supply

The **BL-205-10-868 MINI FLEX 1CH PWM OC** is supplied with +12 V DC, normally available from the LED drivers AUX output.

PWM output

The **BL-205-10-868 MINI FLEX 1CH PWM OC** has one open collector PWM output.

EnOcean Master / bi-directional

The integrated EnOcean transceiver enables communication with EnOcean sensors, actuators and the BL-PC-FLEX-2 software.

Service button / Service LED

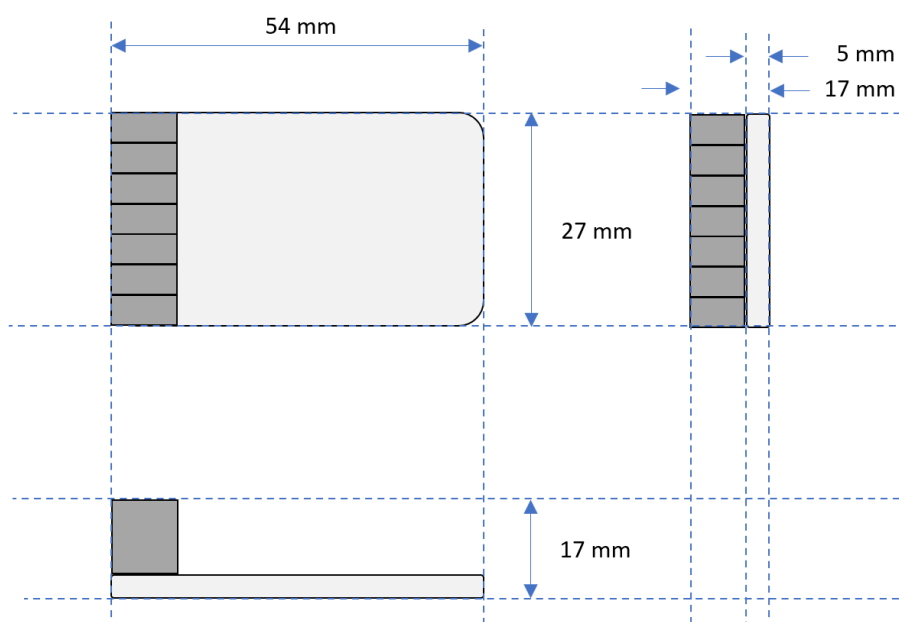
The **BL-205-10-868 MINI FLEX 1CH PWM OC** has a service button.
Various status information is displayed via the green service LED integrated in the front.

Functions of the control unit

Evaluation of wireless sensors for lighting control

The EnOcean DALI controller type **BL-205-10-868 MINI FLEX 1CH PWM OC** is configured wirelessly via an EnOcean USB stick using the BL-PC-FLEX-2 PC software. It currently supports the use of light switches, light switches, motion detectors and daylight sensors based on EnOcean, according to the list of supported EEP (see above).

Dimensions



Order information

Article text	Order number	Description
BL-205-10-868 MINI FLEX 1CH PWM OC	12892	EnOcean Light Controller 1CH PWM OC Supply: +12 V DC, 1x output Open Collector / PWM, EnOcean: 868 MHz / CE, dimensions 54 x 27 x 17 mm, weight: 12 g;

EU Declaration of Conformity

Hereby, DEUTA Controls GmbH declares that the radio equipment type **BL-205-10-868 MINI FLEX 1CH PWM OC** is in compliance with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following Internet address: www.deuta-controls.de in the Service/Downloads section (Doc. EUDC2025_202).

Version 1, 10.04.2025