DEUTA Controls

Product catalogue | 2016

ENGLISH

DALI

enocean alliance
MEMBER

INNOVATIVE SOLUTIONS FROM BERGISCH GLADBACH

As a young and emerging company with their headquarters in Bergisch Gladbach and their branch for development, production and sales in Minden, DEUTA Controls GmbH develops. produces and sells innovative products for the building automation market. Besides their own products, also full customer specific development, products and systems belong to our portfolio.
As a subsidiary company of DEUTA-WERKE GmbH from Bergisch Gladbach, which have more than 100 years of knowledge and experience in the railway automation market, we are obliged to develop and produce also quite reliable and high quality products for our customers.

With our own development and production team, we are always capable to react immediately to common requests from the market and to special requirements from our customers as well.
Special-purpose solutions in small volumes, technology guidance, project support and commissioning are part of our main business.

„Our products are reliable, innovative and flexible to use. Based on this, we provide you solutions for your project, starting at the product delivery, and ending up with supporting you in planning, projecting and bring-up of the control system, depending on your needs."

Michael Lehzen, CEO of DEUTA Controls GmbH

DEUTA GROUP

DEUTA-WERKE
BERGISCH GLADBACH

DEUTA MECHANICS
SCHWARZENBACH AM WALD

SHANGHAI DEUTA LTD. (55%)
SHANGHAI

DEUTA CONTROLS
MINDEN (WESTFALEN)

DEUTA AMERICA CORP RAILWAY USA
RICKMOND VA, USA

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

PRODUCTS AND SERVICES

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

BL-201-00-868 / BL-202-00-868 BROADCAST

For basic applications, when the illumination of a whole area
just has to be switched and dimmed,
we offer an extra simple solution.
The EnOcean-DALI-Controller with the option ,,00" own
everything you need for this task, without any further
components or PC-configuration.

Functions and features:

- ON/ OFF / DIM via DALI BROADCAST, fixed functions
- integrated 230V power supply unit
- integrated DALI power supply unit for up to 15 or 17 slaves
- EnOcean radio-receiver for receiving the signals of the light switch
- DALI Master to control DALI-compatible lights and EVG (ballasts)
- Service-Push-Button for EnOcean light switches programming

Areas of application:

These controllers are used e.g. in conference rooms or offices, where the essential
functions ,,ON / OFF / DIM" are combined with the advantages of the wireless and
therefore free placeable EnOcean-light switches.
Furthermore these controllers are often mounted directly in the lamp. You can choose
among two housing types, depending on space requirements.

Conference room, cove lighting
no group controlling

Entrance and und receiption area, operation via
4 switches at different entrance / exit doors

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

Part Number:	11042
Short Text:	**BL-201-00-868 UP BROADCAST**
Functions:	ON / OFF / DIM of all DALI ballasts via BROADCAST, light switches programming with service button at the device, without any software.
Interfaces:	EnOcean, DALI, 230V AC
Measurements:	approx. 51 x 51 x 33 mm, e.g. suitable for in-wall housing
Protection class:	IP20
Output current DALI:	max. 34mA (up to 17 DALI EVG/slaves/ballasts, up to 64 with additional DALI power supply unit)

Part Number:	11622
Short Text:	**BL-202-00-868 EVG BROADCAST**
Functions:	ON / OFF / DIM of all DALI ballasts via BROADCAST, light switches programming with service button at the device, without any software
Interfaces:	EnOcean, DALI, 230V AC
Measurements:	approx. 145 x 21 x 18 mm, e.g. suitable for mounting in lamps or luminaire profiles
Protection class:	IP20
Output current DALI:	max. 30mA (up to 15 DALI EVG/slaves/ballasts, up to 64 with additional DALI power supply unit)

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

EnOcean-DALI-Controller FLEX

We developed our FLEX products for the application
areas with an increasing amount of controlling tasks.
All EnOcean-DALI-Controller with the option FLEX are
free configurable. With our self developed PC configuration
software BL-PC-FLEX, you are able to set up the whole
DALI configuration and adjust the functionality of your
control system at any time wireless via you PC.

Functions and features:

- Free configurable functions, wireless via PC software BL-PC-FLEX and EnOcean USB stick
- integrated 230V power supply unit
- integrated DALI power supply unit for up 15 or 17 slaves
- EnOcean radio-receiver for receiving the signals of the light switch
- DALI Master to control DALI-compatible lights and EVG (ballasts)

Areas of application:

These FLEX controllers are actually used in many projects where energy saving is in focus,
and motion detectors and daylight sensors are used with our controllers.
In addition, our FLEX controllers allow you to change the configuration later on, at any
time, based on the wireless connection, to change switch or group assignement.
Also scene values can be adopted easily with our PC tool.

Open plan office, ceiling illumination
can be switched as groups

Entrance hall, ceiling illumination with
daylight adjustment

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

Essential features and functions of all EnOcean-DALI-Controllers with the option FLEX:

- Wireless configurable via PC configuration software BL-PC-FLEX and EnOcean USB-Stick
- Easy DALI addressing with drag & drop
- Generating of DALI groups and scenes with easy input mask
- Easy assignment of EnOcean switches and push-buttons to functions like
  ON / OFF / DIM, or certain scenes
- Integration of wireless motion detectors via EnOcean
- Up to 16 free configurable timer per controller for time-based processes, e.g. stopping time
- Supports brigthness sensors to control the DALI ballasts DIM level depending on the daylight.
- An unique adaption curve can be assigned to each DALI address
- All sensors can be blocked or unblocked at any time, to support either automatic or
  manual operation

EnOcean light switches, push-buttons,
e.g. ELTAKO, GIRA, JUNG, MERTEN

Motion controller, e.g.
DEUTA Controls

Sensor for caylight , e.g.
ELTAKO

Configuration ist very comfortable via PC tool BL-PC-FLEX.
This is only necessary for set-up. All controllers operate completely self-sufficient.

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

EnOcean-DALI-Controller with FLEX option

The following devices provide the entire performance range of the option FLEX.
Only the mounting form is different and consequently they provide solutions for
the different fields of application.

Part Number:	11214
Short Text:	BL-201-10-868 UP FLEX
Functions:	Free configurable light controller, PC software BL-PC-FLEX necessary
Interfaces:	EnOcean, DALI, 230V AC
Measurements:	approx, 51 x 51 x 33 mm, e.g. suitable for in-wall mounting
Protection class:	IP20
Output current DALI:	max. 34mA (up to 17 DALI EVG/slaves/ballasts, up to 64 with additional DALI power supply unit))

Part Number:	11329
Short Text:	BL-202-10-868 EVG FLEX
Functions:	Free configurable light controller, PC software BL-PC-FLEX necessary
Interfaces:	EnOcean, DALI, 230V AC
Measurements:	approx, 148 x 21 x 19 mm, e.g. suitable for mounting in luminaire profiles
Protection class:	IP20
Output current DALI:	max. 30mA (up to 15 DALI EVG/slaves/ballasts, up to 64 with additional DALI power supply unit)

Part Number:	11236
Short Text:	BL-201-12-868 ERCO FLEX
Functions:	Free configurable light controller, PC software BL-PC-FLEX necessary
Interfaces:	EnOcean, DALI, 230V AC
Measurements:	Passend zum Einrasten in DALI Lichtschiene Hersteller ERCO (3-Phasen-Stromschiene)
Protection class:	IP20
Output current DALI:	max. 34mA (up to 17 DALI EVG/slaves/ballasts, up to 64 with additional DALIL power supply unit)

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

Part Number:	11339
Short Text:	BL-201-18-868 EUTRAC FLEX
Functions:	Free configurable light controller, PC software BL-PC-FLEX necessary
Interfaces:	EnOcean, DALI, 230V AC
Measurements:	Suitable for EUTRAC 3-phasen light track with data bus
Protection class:	IP20
Output current DALI:	max. 30mA (up to 15 DALI EVG/slaves/ballasts, up to 64 with additional DALI power supply unit)

Part Number:	11237
Short Text:	BL-201-13-868 AP FLEX
Functions:	Free configurable light controller, PC software BL-PC-FLEX necessary
Interfaces:	EnOcean, DALI, 230V AC
Measurements:	approx. 151 x 117 x 67 mm,
Protection class:	IP40
Output current DALI:	max. 250mA (up to 64 DALI EVG/slaves/ballasts)

Part Number:	11301
Short Text:	BL-201-15-868 AP FLEX DALI-PS IP65
Functions:	Free configurable light controller, PC software BL-PC-FLEX necessary
Interfaces:	EnOcean, DALI, 230V AC
Measurements:	approx. 151 x 117 x 67 mm, without M cable glands
Protection class:	IP67
Output current DALI:	max. 250mA (up to 64 DALI EVG/slaves/ballasts)

Part Number:	11303
Short Text:	BL-201-17-868 AP FLEX DALI-PS
Functions:	Free configurable light controller, PC software BL-PC-FLEX necessary
Interfaces:	EnOcean, DALI, 230V AC
Measurements:	approx. 151 x 117 x 67 mm, without M cable glands
Protection class:	IP40
Output current DALI:	max. 250mA (up to 64 DALI EVG/slaves/ballasts)

EnoCube - EnOcean Meets Touch

for Android, iOS and Windows

NEW PRODUCT

If you prefer to operate via smartphone or tablet, in order to replace or to complete conventional light switches, the EnoCube is the ideal choice.

At first you connect your PC via WiFi with the EnoCube and generate websites with push-buttons for your lightning, fast and easy. The EnoCube acts as an access point, you don´t need an existing network.

Then you connect your device (iOS, Android, Windows) with the EnoCube via WiFI. There you find the available client-apps disposed to download. Now the generated websites with the control elements are ready to use. The EnoCube transmits the push-button signals to the controller, like a „real" EnOcean light switch would do.

Functions and features:

- Free configurable websites with virtual EnOcean light switches
- Integration of graphic backdrops
- Push-buttons which can be custom-labeled
- Supply voltage 24V DC
- Communication via USB-Sticks for WLAN and EnOcean (both included in delivery)

Areas of application:

The EnoCube is applied wherever you want to combine touch operating and common light switches. This includes e.g.shops, museums, hotel business and office buildings.

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

Part Number:	11614
Short Text:	**BL-230-02-868 EnoCube**
Functions:	Webserver for touch operating via EnOcean,
Interfaces:	EnOcean and WLAN via USB, 24V DC
Measurements:	approx. 100 x 30 x 97 mm
Protection class:	IP20
Environmental temperature:	0- +45°C, no condensation

Control unit

Our VL-3104 is an extremely powerful panel-PC with
10.4" display, a capacitive
Multi-Touch sensor and a longlife
LED-background-lighting.

The device with an Intel Atom D2550 Dual-Core-CPU
with 1.86 GHz, comes along with two Gigabit Ethernet LAN-
Interfaces, a fully provided Standard-RS-232 (COM2) and a
multifunctional COM1 (RS-232/RS-422/RS-485
half-duplex/RS-485 full-duplex). The Panel-PC has an integrated
SSD for data storage. The complete glass front of the
VL-3104 consists of special glass that is non-reflective and a special etching treatment
reduces reflections and prevents fingerprnts. It is available in blak oder white.
The housing consists of aluminium and it is made for switchboard-mounting
or for in-wall mounting (combined with the in-wall-installation set). The device is delivered with
pre-installed operating system Windows 7 on a 60 GB SSD.

Part Number:	11031
Short Text:	**VL-3104-Black**
Functions:	Multi-Touch Panel PC, series VL, 10.4" TFT, full glass front,
	Intel Atom D2550, Dual-Core 1.8 Ghz, 4 GB RAM,
	60 GB SSD, frameless design, no fan, at the front IP65,
	black, Windows 7 pre-installed,
Measurements:	322 x 256 mm
Protection class:	Front IP 65, back IP20
Environmental temperature:	-20° - +70°C,
	no condensation

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

BL-211-00-868

Adapters for standard switches

If you like to use common switches without
EnOcean interface, you can use our adapters.
So you can connect light switches and push-buttons from third-party
manufacturers with our EnOcean-Dali-Controllers for your project

Functions and features:

- 230V AC supply voltage
- Push-button at the device changes between switch and push-button mode
- Transfers switch signal into EnOcean radiogram

Areas of application:

Everywhere you can´t use the available EnOcean lightswitch
product series due to design reasons

Part Number:	11302
Short Text:	BL-211-00-868 UP SWITCH
Functions:	Conversion of standard make contact into EnOcean radiogram. Push-button at the device changes between switch and push-button mode.
Interfaces:	EnOcean, 230V AC
Measurements:	approx. 51 x 51 x 33 mm, e.g. suitable for in-wall mounting
Protection class:	IP20

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

BL-212-00-868

Adapter for standard motion controllers

If you want to use common motion detectors without EnOcean interfaces, you can install our easy adapters. These enable you to combine any motion or presence detectors from third-party manufacturers with our EnOcean-DALI-Controllers for you project.

Functions and features:

- 230V AC supply voltage, connected with the sensors switching output.
- Transfers the signal into EnOcean radiogram of a motion sensor.

Areas of application:

Everywhere you can´t use the available EnOcean sensors series due to design or functionality reasons.

Part Number:	11305
Short Text:	BL-212-00-868 UP MOTION
Functions:	Transfers standard switching output 230V AC into EnOcean telegram; teached by service-push-button at the device
Interfaces:	EnOcean, 230V AC
Measurements:	approx. 51 x 51 x 33 mm, e.g. suitable for in-wall mounting
Protection class:	IP20

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

BL-PC-FLEX

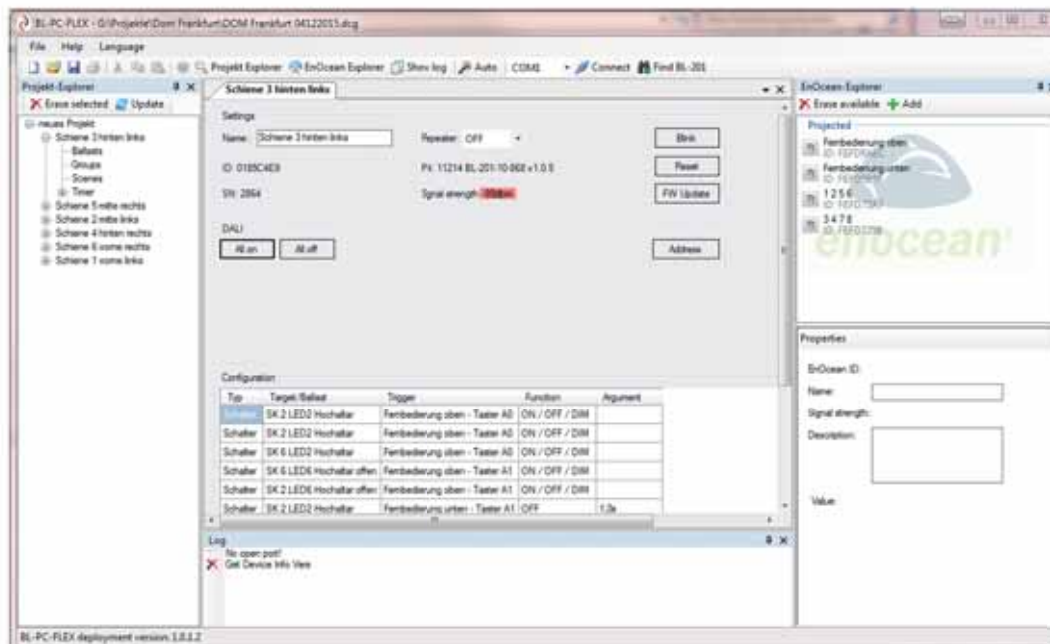## PC configuration software for EnOcean-DALI-Controller with FLEX

With our self developed PC configuration software BL-PC-FLEX you are able to set up
all of our EnOcean-DALI-Controllers with the option ,,FLEX'' wireless and very comfortable.
This software supports the following features:

- Easy DALI-addressing with drag & crop
- Generating of DALI groups and scenes with easy input masks
- Random assignment of EnOcean switches and push-buttons to functions like ON / OFF / DIM,
  or certain scenes
- Integration of wireless motion detectors via EnOcean
- Up to 16 free configurable timer per controller for time-based processes, e.g. stopping time
- Supports brightness sensors to control DIM level of each DALI ballast depending on the daylight
- An unique adaption curve can be assigned to each DALI address
- All sensors can be blocked or unblocked at any time, to support either automatic or
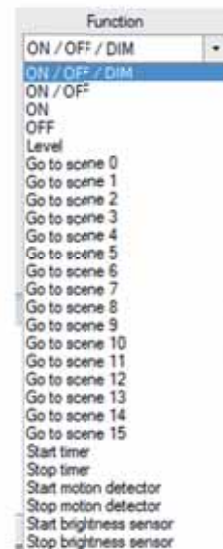 manuel operation

Part Number: 11228
Short Text: BL-PC-FLEX, setup kit for PC
Shipment: Set consisting of PC software and EnOcean USB-Stick, 868 MHz
Functions: Wireless configuration of all FLEX EnOcean-DALI-Controllers

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

Standard operating window area of BL-PC-FLEX configuration programm:
DALI on the left, EnOcean on the right, configuration window in the middle

Many functions available, most of them can be assigned to a switch/sensor simultaneously

Controlling, dependent on the daylight: An unique adaption curve of the dim level can be assigned to each DALI address (ballasts, group or BROADCAST) (Offset, with negativ or positiv gradient).

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

WIRELESS LIGHT SWITCHES - AND SENSORS

enocean®

Here we offer our own products as well as third-party products
available at the market, that are continously qualified and
tested by our staff.
You take absolutely no risks, our development department has
already approved all components and our customers
have applied them before in many successful projects.

Part Number :	11552
Short Text:	AL-231-00-868 AP 3+1 EnOcean control unit, IP65
Functions:	3 push-buttons red / yellow / white and1 keyswitch (momentary, not latching)
	(key removable in 0-position), EnOcean 868 MHz
Interfaces:	EnOcean, completely self-sufficient , no batteries or power supply needed
Protection class:	IP67

Part Number:	11191
Short Text:	Wall motion detector EnOcean/Solar 868 MHz
Functions:	Energy self-sufficient motion detector with integrated solar cell
	additional internal back-up batterie CR2032
Interfaces:	EnOcean 868 MHz
Measurements:	approx, 166 x 50 x 40 mm, for on-wall mounting
Protection class:	IP20

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

Part Number: 11256
Short Text: AL-220-00-868 EnOcean push-button AP IP65, 230V AC,
Functions: Push button EnOcean, IP65, housing for on-wall mounting
Interfaces: EnOcean, 230V AC
Measurements: approx. 72 x 110 x 68 mm
Protection class: IP67
Note: Supply voltage 230V AC required

Part Number: 11284
Short Text: Brightness sensor EnOcean, daylight, 0-2000 lux
Functions: Brightness sensor EnOcean, 0 - 2000 Lux
                   Measures daylight, no artificial light, like e.g. LED
                   Reports every 100 seconds at a min. of 10 Lux difference
Interfaces: EnOcean
Measurements: approx. 84 x 84 x 30 mm
Protection class: IP54, housing for on-wall mounting

Part Number: 11540
Short Text: Brightness sensor EnOcean, daylight, 0-30.000 lux
Functions: Brithness sensor EnOcean, 0 - 30.000 Lux
                   Measures daylight. no artificial light. like e.g. LED
                   Reports from 300 Lux at a min. of. 500 Lux difference after 10 seconds
                   Control report every 100 seconds
Interfaces: EnOcean
Measurements: approx. 84 x 84 x 30 mm
Protection class: IP54

Part Number: 11511
Short Text: Indoors Brightness sensor EnOcean 0-1000 lux
Functions: Brightness sensor EnOcean, 0 - 1000 Lux
                   Measures daylight and artificial light. like e.g. LED
                   Reports every 5 seconds at a min. of 4 Lux difference.
                   Control report every 100 seconds
Interfaces: EnOcean
Measurements: approx. 84 x 84 x 30 mm
Protection class: IP40

Photos brightness sensors: Eltako

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

LED Light panel with DALI

Part Number:	11326
Short Text:	LED Light panel 620 mm, max. 48 Watt 4000lm, 4000K, CRI >80
Interfaces:	DALI, 230V AC
Measurements:	621 x 621 x 40 mm,
Protection class:	IP20
Weight:	3600 g

Part Number:	11051
Short Text:	Wireless push-button EnOcean white
Interfaces:	EnOcean 868 MHz
Measurements:	80 x 80 mm outside
Protection class:	IP20
	Single rocker and double rocker, both enclosed

Part Number:	11274
Short Text:	Mini radio hand-held transmitter EnOcean, aluminium / grey, 8 push-buttons
Interfaces:	EnOcean 868 MHz
Measurements:	82 x 44 x 20 mm
Weight:	60 gram
Protection class:	IP20
	no batteries required!

Part Number:	11363
Short Text:	Female cable connector 5 pole. 230V AC + DALI e.g. for connecting BL-201-17-868 AP FLEX system WIELAND, coded
Connection internal:	Screw terminals
Protection class:	IP20

Photos Switch: Eltako, Connector: WIELAND

Part Number:	11203
Short Text:	Male cable connector 5 pole 230V AC + DALI
	e.g. for connecting BL-201-17-868 AP FLEX
	system WIELAND, coded
Connection internal:	Screw terminas
Protection class:	IP20

Consulting and support

If you have any question concerning our products,
our development and distribution staff members
are available via email or telephone anytime.
We would like to advise you on development and realisation
of your projects with our products.

Training and practice

We naturally offer support in the context of a hands-on training at our place
or at your place.in the desired range on request. At last afterwards the
BL-PC-FLEX software operation and the handling of our controllers
will be very easy for you.

Project work and implementing on-site

As required we support the project work and implementing
on-site. We have a lot of experience from a multitude of
projects, so we are able to bring your project into service
straight away.

DEUTA Controls GmbH

Give us a call! Tel.: +49 (0) 2202 285 57-61

Any questions? We're here for you!

+49 (0)2202 28557-61

info@deuta-controls.de

www.deuta-controls.de

Note: Subject to errors and
technical modifications!
The contents of this catalogue
have been assembled
with greatest care
and are in line with our
current level of information.
The current catalogue
replaces all previous catalogues.
Issued February 2016