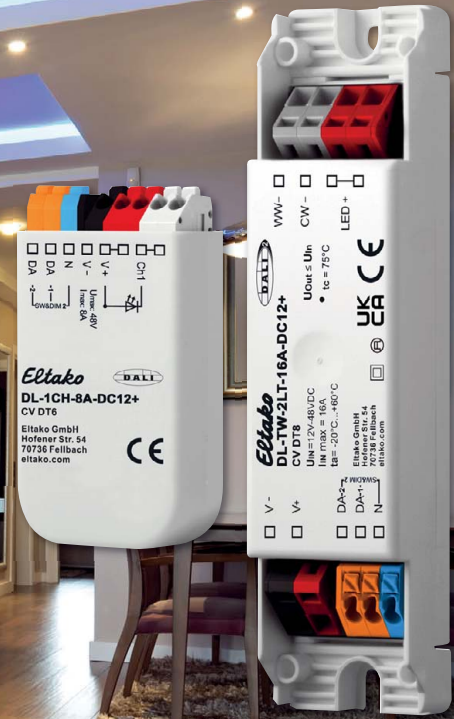




75 YEARS OF INNOVATION.



1949-2024



THE DALI PRODUCT LINE FROM ELTAKO

LIGHT CONTROL FOR ALL NEEDS – FROM LED, TUNABLE WHITE AND RGB DIMMERS THROUGH TO CONTROL UNITS





Complete answers to your needs, not stand-alone, piecemeal products.

We offer flexible complete solutions that turn any building into a professional smart home. Based on EnOcean technologies, our systems are future-proof and easily extensible. Genuine professional-standard quality – at a good price. That’s ELTAKO Professional Smart Home.

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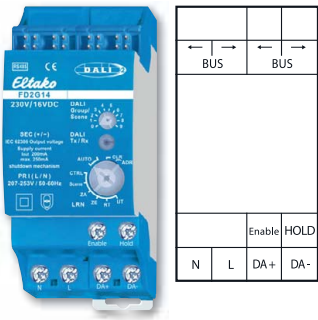
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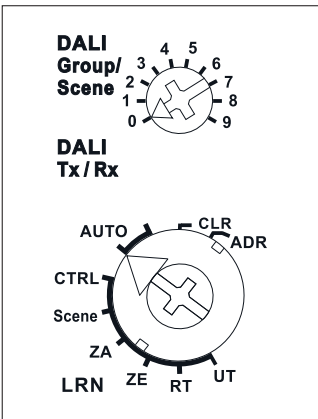
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RS485 BUS DALI-2 GATEWAY FD2G14

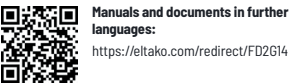


Function rotary switches



Standard setting ex works.

Further settings can be made using the PC Tool PCT14.



FD2G14



DALI-2 gateway, bidirectional. Only 1 watt standby loss.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible. Modular device for DIN-EN 60715 TH35 rail mounting. 2 modules = 36 mm wide, 58 mm deep.

Connection to the Eltako-RS485 bus. Bus cross wiring and power supply with jumper.

Operation in conjunction with FAM14.

Supply voltage 230 V/50 Hz at terminals N and L. The IEC 62386-compliant voltage for DALI devices is provided at the DA +/- terminals. Output current 200 mA/max. 250 mA. Switch-on ramp-up time max. 250 ms.

In the event of a short circuit, the power supply switches off the supply voltage. A mechanism for cyclic switch-on attempts is available.

With the FD2G14 gateway, DALI devices are controlled with EnOcean sensor telegrams.

Groups 0-15 can be controlled and the **broadcast command** can be sent. In addition **DALI scenes 0-15** can be controlled.

DALI installations, which are to be fully controlled with the F2DG14, must be configured in groups 0-15. The evaluation of DALI-2 sensors can be configured and activated using PCT14. DALI-2 event messages can be interpreted and output on the RS485 BUS using the hold terminal. This makes it possible to output data to the EnOcean radio network using FTD14.

The F2DG14 internally saves the dimming value for each of the groups 0-15 and supplies this value as feedback. Feedback telegrams are generated.

The F2DG14 occupies 16 BR14 device addresses. The feedbacks of the device addresses correspond to the dimming values of the DALI groups 0-15 in ascending order. Feedback signals can be converted by PCT14 for each single group from a dimming value telegram (%) to pushbutton telegram (ON/OFF). BR14 actuators can then be activated by the feedback signals.

The F2DG14 fulfils the function of the DALI master and the DALI power supply.

The rotary switches can only teach in pushbuttons for groups 0-8 and DALI scenes 0-9.

Activation telegrams for groups 9-15 and scenes 10-15 are only possible by entries in PCT14.

The F2DG14 can be used as a single-channel device , F2DG14-Broadcast'.

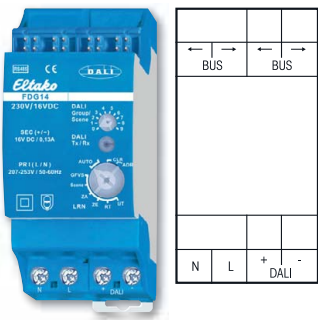
This is defined when the device address is issued.

Important: Wireless pushbuttons always need to be double-clicked when they are taught-in manually in the F2DG14. CLR only needs a single click.

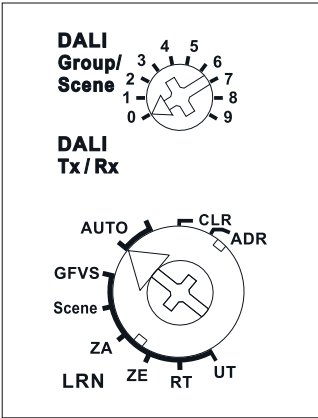
A direction pushbutton or universal pushbutton with identical ID and identical pushbutton can be taught in several times in different groups. The group last selected is always valid. Therefore, a pushbutton can either switch only one group or broadcast to all groups. One FBH per group can also be taught in. With a manual teach-in this always acts dependent on brightness. With PCT14 you can also set the brightness threshold. The delay time for switch-off after no motion is detected can be set together in minutes (1 ... 60) for the FBH devices of all groups. The default is 3 minutes.

FD2G14	RS485 bus DALI-2 gateway	Art. No. 30014045	122,80 €/pc.
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RS485 BUS DALI GATEWAY FOR RAIL MOUNTING FDG14



Function rotary switches



Standard setting ex works.

Further settings can be made using the PC Tool PCT14.



Manuals and documents in further languages:
<https://eltako.com/redirect/FDG14>

FDG14



RS485 bus DALI gateway for DIN-EN 60715 TH35 rail mounting, bidirectional.
Only 1 watt standby loss.

Modular device for DIN-EN 60715 TH35 rail mounting. 2 modules = 36 mm wide, 58 mm deep.

Connection to the ELTAKO RS485 bus. Bus cross wiring and power supply with jumper.

Operation in conjunction with FAM14.

Power supply 230 V at terminals N and L.

16 V DC/130 mA can be connected to the DALI terminals +/- for up to 64 DALI devices.

The gateway FDG14 controls DALI devices with EnOcean wireless transmitters via the FAM14.

As of production week 14/16 **Groups 0-15** can be controlled and the **broadcast command** can be sent.

In addition **DALI scenes 0-15** can be controlled.

DALI installations, which are to be fully controlled with the FDG14, must be configured in groups 0-15.

FDG14 internally saves the dimming value for each of the groups 0-15 and supplies this value as feedback.

The same feedback telegrams are generated as for an FUD14. The FDG14 occupies 16 BR14 device addresses.

The feedbacks of the device addresses correspond to the dimming values of the DALI groups 0-15 in ascending order. Feedbacks can be converted by the PCT14 for each individual group of dimming value telegrams (%) to pushbutton telegrams (ON/OFF). Feedbacks can then control BR14 actuators. The FDG14 fulfils the function

of the DALI master and the DALI power supply. The rotary switches can only teach in pushbuttons for groups 0-8 and DALI scenes 0-9. Activation telegrams for groups 9-15 and scenes 10-15 are only possible by entries in PCT14.

As of Production Week 30/19, the FDG14 can be used as a single-channel device '**FDG14-Broadcast**'. This is defined when the device address is issued.

Important: Wireless pushbuttons always need to be double-clicked when they are taught-in manually in the FDG14. CLR only needs a single click.

A direction pushbutton or universal pushbutton with identical ID and identical pushbutton can be taught in several times in different groups. The group last selected is always valid. Therefore, a pushbutton can either switch only one group or broadcast to all groups.

One FBH per group can also be taught in. With a manual teach-in this always acts dependent on brightness.

With PCT14 you can also set the brightness threshold.

The delay time for switch-off after no motion is detected can be set together in minutes (1 ... 60) for the FBH devices of all groups. The default is 3 minutes.

FDG14	RS485 bus DALI gateway	Art. No. 30014047	95,60 €/pc.
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WIRELESS DALI GATEWAY FOR INSTALLATION FDG62-230V AND DALI BUS POWER SUPPLY UNIT 80 MA FOR INSTALLATION DL-N2-80MA



Manuals and documents in further languages:
<https://eltako.com/redirect/FDG62-230V>

FDG62-230V



Wireless DALI gateway, bidirectional. For installation. 49 mm long, 33 mm wide, 15 mm high.
Only 0.5 watt standby loss.

The connection terminals are plug-in terminals for conductor cross-sections from 0.2 mm² to 2.5 mm².

The convenient tap technology permits the teach-in of up to 32 wireless universal pushbuttons, wireless direction pushbuttons, wireless central control pushbuttons, motion sensors, tunable white and intensity double rocker pushbuttons.

Bidirectional wireless switchable.

Power supply 230 V at terminals N and L.

The DALI bus power supply DL-N2-80mA and up to 40 DALI devices are connected to the DALI terminals.

The gateway FDG62 controls DALI devices with EnOcean wireless transmitters.

Only **broadcast commands** can be sent.

In addition to the radio control input via an internal antenna, the connected DALI devices can also be controlled with a 230 V control button that may be installed in front of the FDG62.

A glow lamp current is not permitted.

The FDG62 internally saves the dimming value and supplies this value as feedback. The same feedback telegrams are generated as for an FD62NPN.

Actuators can then be activated by the feedback signals.

The FDG62 fulfils the function of the DALI master.

FDG62-230V	Wireless DALI gateway	Art. No. 30100868	79,80 €/pc.
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Manuals and documents in further languages:
<https://eltako.com/redirect/DL-N2-80mA>

DL-N2-80mA



DALI-2 bus power supply unit with 80 mA output current for supplying up to 40 standard DALI devices.
Suitable for installation and installation in protection class II devices. 59 mm long, 33 mm wide, 15 mm high.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible.

The connection terminals are plug-in terminals for conductor cross-sections from 0,5 mm² to 1,5 mm².

Input: supply voltage range 120 V..240 V AC/50-60 Hz.

Maximum input current 10 mA. Power-up ramp-up time 250 ms. Power loss max. 2 W.

Output: Output voltage range 12 V DC..20.5 V DC. Output current 80 mA.

No-load proof and short-circuit proof.

Degree of protection housing IP40. Degree of protection terminals IP20.

Impulse voltage category II. Pollution degree 2. Rated insulation voltage 250 V. Rated impulse voltage 4 kV.

Reinforced insulation. Insulation test voltage 3 kV.

Temperature at mounting location -20°C to +55°C.

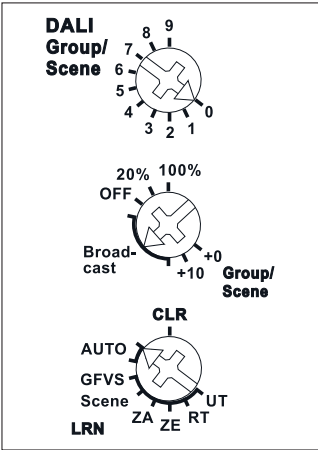
Storage temperature -20°C to + 75°C.

Relative humidity 15% to 90%.

DL-N2-80mA	DALI bus power supply unit 80 mA for flush-mounted box	Art. No. 33000026	92,60 €/pc.
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Function rotary switches



Standard setting ex works.

Further settings can be made and actuators configured using the PC Tool PCT14 and the data transformer DAT71.



Manuals and documents in further languages:
<https://elitako.com/redirect/FDG71L-230V>

FDG71L-230V



Wireless DALI gateway, bidirectional. 2 watt standby loss.

Installation for example in suspended ceilings and lamps.

Installation for example in suspended ceilings and lamps.
252 mm long, 46 mm wide and 31 mm high. With cable fixation.
Power supply 230 V at terminals N and L.

16 V DC/130 mA can be connected to the DALI terminals +/- for up to 64 DALI devices.

The gateway FDG71L controls DALI devices with EnOcean wireless transmitters.

Groups 0-15 can be controlled and the **broadcast command** can be sent. In addition **DALI scenes 0-15** can be controlled.

DALI installations, which are to be fully controlled with the FDG71L, must be configured in groups 0-15.

The FDG71L internally saves the dimming value for each of the groups 0-15 and supplies this value as feedback. The same feedback telegrams are generated as for an FUD71.

The feedbacks of the device addresses correspond to the dimming values of the DALI groups 0-15 in ascending order.

Feedbacks can be converted by the PCT14 for each individual group of dimming value telegrams (%) to pushbutton telegrams (ON/OFF). Feedbacks can then control actuators.

The FDG71L fulfils the functions of the DALI master and the DALI power supply.

Important: Wireless pushbuttons always need to be double-clicked when they are taught-in manually in the FDG71L. CLR only needs a single click.

A direction pushbutton or universal pushbutton with identical ID and identical pushbutton can be taught in several times in different groups. The group last selected is always valid. Therefore, a pushbutton can either switch only one group or broadcast to all groups.

One FBH per group can also be taught in. With a manual teach-in this always acts dependent on brightness. With PCT14 you can also set the brightness threshold.

The delay time for switch-off after no motion is detected can be set together in minutes (1 ... 60) for the FBH devices of all groups. The default is 3 minutes.

FDG71L-230V	Wireless DALI gateway	Art. No. 30100867	140,60 €/pc.
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DALI-2 1-CHANNEL PUSHBUTTON COUPLER DL2-TK1L



Manuals and documents in further languages:
<https://eltako.com/redirect/DL2-TK1L>

DALI-Cockpit page 34.
 DL-USB page 35.

DL2-TK1L



Compact DALI-2 control module with 1 switching input. For installation. 59 mm long, 33 mm wide, 15 mm deep. Protection class: IP 20. DALI current consumption 4.6 mA.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible. Compact DALI-2 control module with 1 switching input for 230 V AC. The DL2-TK1L is powered by the DALI bus, no separate supply is required. The connection to the DALI terminals is polarity-independent. Galvanic isolation between switching input and DALI interface. Multimaster capable, multiple modules can be installed on the same DALI line. Integrated DALI-2 Application Controller Individual DALI commands, effective range and switching functions can be assigned to each input. In addition to the standard DALI commands, the application controller also enables DALI DT8: Tunable White and RGB(W) control as well as macros. The module has a DALI-2 instance (pushbutton type, according to IEC62386-301) for easy integration. Supports short press, long press (with repeat for dimming) and toggle. In addition to buttons, it is also suitable for switches. Alternative button function, each of the inputs can also be assigned a second function, which can be activated/deactivated via a scene command on the DALI bus. Configurable 'power-up' behavior. The DL2-TK1L is powered by the DALI bus, no separate supply is required. The connection to the DALI terminals is independent of polarity.

Application and function:

The DL2-TK1L serves as a universal module for controlling DALI compatible lights. The function of each switching input can be set individually. Like other Lunatone control devices, the settings can be made using the DALI-Cockpit software tool. In principle, a distinction is made between the application controller and the DALI-2 instances. The Application Controller leads to direct DALI control commands that are immediately executed by the DALI drivers. The DALI-2 instances generate event messages that are interpreted and further processed by higher-level control units (WAGO, Beckhoff, LUNATONE DALI-2 KNX Gateway). Application controllers and instances can be active at the same time.

Delivery condition:

When delivered, a basic configuration is already implemented (factory settings). If necessary, this can be changed and adapted to the current application.

DL2-TK1L	DALI-2 1-channel pushbutton coupler	Art. No. 33000027	156,00 €/pc.
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Manuals and documents in further languages:
<https://eltako.com/redirect/DL2-TK1L-N-50mA>

DALI-Cockpit page 34.
DL-USB page 35.

DL2-TK1L-N-50mA



Compact DALI-2 control module with 1 switching input. For installation. 59 mm long, 33 mm wide, 15 mm deep. Protection class: IP 20.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible. Compact DALI-2 control module with 1 switching input for 230 V AC. With integrated DALI bus supply (50 mA), an additional bus supply may not be connected. Galvanic isolation between switching input and DALI interface. Multimaster capable, multiple modules can be installed on the same DALI line. Integrated DALI-2 Application Controller. Individual DALI command effective range and switching functions can be assigned to each input. In addition to the standard DALI commands, the application controller also enables DALI DT8: Tunable White and White RGB(W) control as well as macros. The module has a DALI-2 instance for easy integration. Supports short press, long press (with repeat for dimming) and toggle. In addition to buttons, it is also suitable for switches. Easy configuration via a LUNATONE DALI interface and DALI-Cockpit Software tool. Application controllers and instances can be active at the same time. The polarity of the output voltage is visible on the housing (DA+, DA-).

Application and function:

The DL2-TK1L-N-50mA serves as a universal module for controlling DALI-compatible lights. The function of each switching input can be set individually.

Like other Lunatone control devices, the settings can be made using the DALI-Cockpit software tool. In principle, a distinction is made between the application controller and the DALI-2 instances. The Application Controller leads to direct DALI control commands that are immediately executed by the DALI drivers. The DALI-2 instances generate event messages that are interpreted and further processed by higher-level control units (WAGO, Beckhoff, LUNATONE DALI-2 KNX Gateway). Application controllers and instances can be active at the same time.

Delivery condition:

When delivered, a basic configuration is already implemented (factory settings). If necessary, this can be changed and adapted to the current application.

DL2-TK1L-N-50mA	DALI-2 1-channel pushbutton coupler + power supply	Art. No. 33000028	172,00 €/pc.
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Manuals and documents in further languages:
<https://eltako.com/redirect/DL2-TK2L-N-50mA>

DALI-Cockpit page 34.
 DL-USB page 35.

DL2-TK2L-N-50mA



Compact DALI-2 control module with 2 freely programmable switching inputs. For installation. 59 mm long, 33 mm wide, 15 mm deep. Protection class: IP 20.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible. Compact DALI-2 control module with 2 switching inputs for 230 V AC. With integrated DALI bus supply (50 mA), an additional bus supply may not be connected. Galvanic isolation between switching input and DALI interface. Multimaster capable. Integrated DALI-2 Application Controller. Individual DALI commands, effective range and switching functions can be assigned to each input. In addition to the standard DALI commands, the application controller also enables DALI DT8 TC and RGB(W) control. Easy integration through two DALI-2 pushbutton instances. Supports short button press, long button press (with repetition for dimming and toggle. In addition to buttons, also suitable for switches. Alternative button function, each of the inputs can also be assigned a second function, which can be activated/deactivated via a scene command on the DALI bus. Sequences, macros and other functions are available in the Application Controller. Simple configuration via a LUNATONE DALI interface and DALI-Cockpit software tool. The polarity of the output voltage is visible on the housing (DA+, DA-).

Application and function:

The DL2-TK2L-N-50mA serves as a universal module for controlling DALI-compatible lights. The function of each switching input can be set individually. Like other Lunatone control devices, the settings can be made using the DALI-Cockpit software tool. In principle, a distinction is made between the application controller and the DALI-2 instances. The Application Controller leads to direct DALI control commands that are immediately executed by the DALI drivers. The DALI-2 instances generate event messages that are interpreted and further processed by higher-level control units (WAGO, Beckhoff, LUNATONE DALI-2 KNX Gateway). Application controllers and instances can be active at the same time.

Delivery condition:

When delivered, a basic configuration is already implemented (factory settings). If necessary, this can be changed and adapted to the current application.

DL2-TK2L-N-50mA	DALI-2 2-channel pushbutton coupler + power supply	Art. No. 33000029	179,00 €/pc.
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DALI-2 MOTION/BRIGHTNESS SENSOR STANDARD DL2-BH98S-pm AND HOUSING FOR FALSE CEILING MOUNTING GZD-BH98



Manuals and documents in further languages:
<https://eltako.com/redirect/DL2-BH98S-pm>

DL2-BH98S-pm



DALI-2 motion/brightness sensor standard. Application controllers and instances. Protection class: IP 20.

DALI-2 certified.

The DL2-BH98 is connected directly to the DALI bus and powered by it. A DALI bus power supply is required; no additional power supply is required. Maximum current consumption 3.5 mA.

The connection to the DALI terminals can be made regardless of polarity.

The terminals are suitable for wire cross-sections ranging from 0.5 mm² to 1.5 mm². The DALI cables can be designed with standard low-voltage installation material. No special cables are required.

Installation of the mounting ring directly on the back box. The housing is then simply plugged onto to the mounting ring. The recessed head has sufficient space within the electrical installation box, enabling a flat installation.

Alignment to the desired detection area through 40° vertical tilt and 360° axial rotation.

Application controller and instances configurable via DALI-Cockpit. In principle, a distinction is made between an application controller and the DALI-2 instances. The Application Controller leads to direct DALI control commands that are immediately executed by the DALI drivers. The DALI-2 instances generate event messages that are interpreted and further processed by higher-level control units.

4 operating modes:

- Movement triggered
- Movement triggered with constant light control
- Constant light control
- Light control (4 thresholds)

Operating modes can be changed via scenes and external DALI commands. Corridor function – second light value for dimming down before switching off. Optional use as an active DALI lighting control unit or as a sensor unit for integration into building management systems. Bidirectional integration via the FD2G14 into the 14 series. Simple configuration via the DALI bus using the PC software tool DALI-Cockpit. Multiple sensor modules can be installed within a DALI system. Automatic synchronisation of multiple sensors with the same effective range.

Dimensions: 98x47 mm

Installation depth: 30 mm

Colour: polar white mat (similar to RAL9010).

Motion detector:

Detection range: 12 m

Typical mounting height : 8 m

Zones: 92

Horizontal: ±51°

Vertical: ±46°

Light sensor:

Range: 0-2047 lux (11 bit), resolution: 1 lux

Event: 0-2047 lux (10 bit), resolution: 2 lux

DALI-Cockpit page 34.
DL-USB page 35.



Manuals and documents in further languages:
<https://eltako.com/redirect/GZD-BH98>

GZD-BH98



Housing for false ceiling mounting of the DL2-BH98B-pm and DL2-BH98S-pm sensors.

For installing the DALI-2 sensors DL2-BH98B-pm and DL2-BH98S pm in hollow walls and false ceilings with spring clips. Hole cutout 72 mm. Installation depth 30 mm. Protection class IP20.

GZD-BH98	Housing for false ceiling mounting	Art. No. 33000032	8,10 €/pc.
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DALI-2 MOTION/BRIGHTNESS SENSOR OFFICE DL2-BH98B-pm AND HOUSING FOR SURFACE MOUNTING POLAR WHITE MAT GAP-BH98-pm



Manuals and documents in further languages:
<https://eltako.com/redirect/DL2-BH98B-pm>

DL2-BH98B-pm



DALI-2 motion/brightness sensor office. Application controllers and instances. Protection class: IP 20.

DALI-2 certified.

The DL2-BH98 is connected directly to the DALI bus and powered by it. A DALI bus power supply is required; no additional power supply is required. Maximum current consumption 3.5 mA.

The connection to the DALI terminals can be made regardless of polarity.

The terminals are suitable for wire cross-sections ranging from 0.5 mm² to 1.5 mm². The DALI cables can be designed with standard low-voltage installation material. No special cables are required.

Installation of the mounting ring directly on the back box. The housing is then simply plugged onto the mounting ring. The recessed head has sufficient space within the electrical installation box, enabling a flat installation.

Alignment to the desired detection area through 40° vertical tilt and 360° axial rotation.

Application controller and instances configurable via DALI-Cockpit. In principle, a distinction is made between an application controller and the DALI-2 instances. The Application Controller leads to direct DALI control commands that are immediately executed by the DALI drivers. The DALI-2 instances generate event messages that are interpreted and further processed by higher-level control units.

4 operating modes:

- Movement triggered
- Movement triggered with constant light control
- Constant light control
- Light control (4 thresholds)

Operating modes can be changed via scenes and external DALI commands. Corridor function – second light value for dimming down before switching off. Optional use as an active DALI lighting control unit or as a sensor unit for integration into building management systems. Bidirectional integration via the FD2G14 into the 14 series. Simple configuration via the DALI bus using the PC software tool DALI-Cockpit. Multiple sensor modules can be installed within a DALI system. Automatic synchronisation of multiple sensors with the same effective range.

Dimensions: 98x47 mm

Installation depth: 30 mm

Colour: polar white mat (similar to RAL9010).

Motion detector:

Detection range: 2.3 m/3 m

Typical mounting height: 3 m

Zones: 36/48

Horizontal: ±44°/±90°

Vertical: ±44°/±90°

Optimised for detecting the smallest movements (e.g. arm movements).

Light sensor:

Range: 0-2047 lux (11 bit), resolution: 1 lux

Event: 0-2047 lux (10 bit), resolution: 2 lux

DALI-Cockpit page 34.
DL-USB page 35.

DL2-BH98B-pm	DALI-2 motion/brightness sensor office	Art. No. 33000031	162,50 €/pc.
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Manuals and documents in further languages:
<https://eltako.com/redirect/GAP-BH98-pm>

GAP-BH98-pm



Housing for surface mounting of the DL2-BH98B-pm and DL2-BH98S-pm sensors. polar white mat (RAL 9010).

For installing the DALI-2 sensors DL2-BH98B-pm and DL2-BH98S-pm. 104x104 mm, 33 mm deep. Protection class IP20.

GAP-BH98-pm	Housing for surface mounting, polar white mat	Art. No. 33000033	15,50 €/pc.
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DALI LED 1 CHANNEL DIMMER 8 A FOR INSTALLATION DL-1CH-8A-DC12+



Manuals and documents in further languages:
https://eltako.com/redirect/DL-1CH-8A-DC12*

DALI-Cockpit page 34.
DL-USB page 35.

DL-1CH-8A-DC12+



DALI LED 1 channel dimmer for luminary installation and installation. 59 mm long, 33 mm wide, 15 mm high. Protection class IP20. Only 0.12 watt standby loss.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, Sw&Dim or SwitchDim2: Operation via 1 or 2 pushbutton inputs permits brightness control without DALI; alternatively, corridor function for direct activation with a motion detector.

Dimming range 0.1%-100%. Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).

Supply voltage 12 V to 48 V DC.

Max. connected current 8 A.

High efficiency. Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:

The output channel is controlled by a DALI address (Device Type 6). Alternatively, operation can also take place by one (Sw&Dim) or two pushbutton inputs (SwitchDim2).

SwD1, Sw&Dim: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim.

SwD2: Scene switch (press pushbutton briefly).

If you press the SwD1 input for 2 minutes, the mode changes to 'Corridor function'. This operating mode remains enabled until the device is disconnected from the power supply (after PowerUp: operation via SwD1/SwD2).

Corridor function:

Mode with integrated staircase time switch (e.g. simple activation of one or several motion detectors by relay contact). When you press the input, the maximum value is switched on. After the input signal decays, the brightness remains at this value for the duration of the hold time before it drops down to the intermediate value. After the hold time for the intermediate value expires, brightness returns to the basic value. The process starts from the beginning when the input is re-activated.

The DALI-Cockpit software can configure 1-channel LED dimmers. You can define both group assignment and configure scene values and DALI parameters (the parameters displayed are the as-delivered states).

As-delivered state:

Before the first address is assigned, you can control the device using the group address G0. This preset group assignment is deleted when addresses are assigned. Afterwards, you can define any group assignment in the DALI-Cockpit. The values defined in the DALI standard are generated by sending a DALI reset command.

DL-1CH-8A-DC12+	DALI LED 1 channel dimmer 8 A for flush-mounted box	Art. No. 33000015	127,80 €/pc.
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DALI-2 LED 1 CHANNEL DIMMER 16 A FOR CEILING INSTALLATION DL-1CH-16A-DC12+



Manuals and documents in further languages:
<https://eltako.com/redirect/DL-1CH-16A-DC12+>

DALI-Cockpit page 34.
DL-USB page 35.

DL-1CH-16A-DC12+



DALI-2 LED 1 channel dimmer for ceiling installation. 120 mm high, 30 mm wide, 22 mm deep.
Protection class IP20. Only 0.12 watt standby loss.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible. Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, Sw&Dim or SwitchDim2: Operating via 1 or 2 pushbutton inputs permits brightness control without DALI; alternatively, corridor function for direct activation with a motion detector. Dimming range 0.1%-100%. Selectable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz). Supply voltage 12 V to 48 V DC. Max. connected current 16 A. High efficiency. Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:

The output channel is controlled by a DALI address (Device Type 6). Alternatively, it can also be operated by one (Sw&Dim) or two pushbutton inputs (SwitchDim2). SwD1, Sw&Dim: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim. SwD2: Scene switch (press pushbutton briefly). If you press the SwD1 input for 2 minutes, the mode changes to 'Corridor function'. This operating mode remains enabled until the device is disconnected from the power supply (after PowerUp: operation via SwD1/SwD2).

Corridor function:

Mode with integrated staircase time switch (e.g. simple activation of one or several motion detectors by relay contact). When you press the input, the maximum value is switched on. After the input signal decays, the brightness remains at this value for the duration of the hold time before it drops down to the intermediate value. After the hold time for the intermediate value expires, brightness returns to the basic value. The process starts from the beginning when the input is re-activated. The DALI-Cockpit software can configure 1-channel LED dimmers. You can define both group assignment and configure scene values and DALI parameters (the parameters displayed are the as-delivered states).

As-delivered state:

Before the first address is assigned, you can control the device using the group address G0. This preset group assignment is deleted when addresses are assigned. Afterwards, you can define any group assignment in the DALI-Cockpit. The values defined in the DALI standard are generated by sending a DALI reset command.

DL-1CH-16A-DC12+	DALI LED 1 channel dimmer 16 A for ceiling installation	Art. No. 33000016	146,50 €/pc.
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DALI LED 1 CHANNEL DIMMER 16 A FOR DIN-EN 60715 TH35 RAIL MOUNTING DL-1CH-R16A-DC12+



Manuals and documents in further languages:
https://eltako.com/redirect/DL-1CH-R16A-DC12*

DALI-Cockpit page 34.
DL-USB page 35.

DL-1CH-R16A-DC12+



DALI LED 1 channel dimmer for DIN-EN 60715 TH35 rail mounting. 98 mm high, 17,5 mm wide, 56 mm deep. Protection class IP20. Only 0.12 watt standby loss.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, Sw&Dim or SwitchDim2: Operation via 1 or 2 pushbutton inputs permits brightness control without DALI; alternatively, corridor function for direct activation with a motion detector.

Dimming range 0.1%-100%. Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).

Supply voltage 12 V to 48 V DC.

Max. connected current 16 A.

High efficiency. Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:

The output channel is controlled by a DALI address (Device Type 6). Alternatively, it can also be operated by one (Sw&Dim) or two pushbutton inputs (SwitchDim2).

SwD1, Sw&Dim: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim.

SwD2: Scene switch (press pushbutton briefly).

If you press the SwD1 input for 2 minutes, the mode changes to 'Corridor function'. This operating mode remains enabled until the device is disconnected from the power supply (after PowerUp: operation via SwD1/SwD2).

Corridor function:

Mode with integrated staircase time switch (e.g. simple activation of one or several motion detectors by relay contact). When you press the input, the maximum value is switched on. After the input signal decays, the brightness remains at this value for the duration of the hold time before it drops down to the intermediate value. After the hold time for the intermediate value expires, brightness returns to the basic value. The process starts from the beginning when the input is re-activated.

The DALI-Cockpit software can configure 1-channel LED dimmers. You can define both group assignment and configure scene values and DALI parameters (the parameters displayed are the as-delivered states).

As-delivered state:

Before the first address is assigned, you can control the device using the group address G0. This preset group assignment is deleted when addresses are assigned. Afterwards, you can define any group assignment in the DALI-Cockpit. The values defined in the DALI standard are generated by sending a DALI reset command.

DL-1CH-R16A-DC12+	DALI LED 1 channel dimmer 16 A for DIN-EN 60715 TH35 rail mounting	Art. No. 33000022	147,90 €/pc.
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Manuals and documents in further languages:
<https://eltako.com/redirect/DL-TW-2LT-8A-DC12+>

DALI-Cockpit page 34.
DL-USB page 35.

DL-TW-2LT-8A-DC12+



DALI LED dimmer for separate control of brightness and colour temperature. For luminary installation and installation. 59 mm long, 33 mm wide, 15 mm high. Protection class IP20. Only 0.12 watt standby loss.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, operating mode DT8: control brightness and colour temperature by a DALI address (Device Type 8, Colour Type Tc) operating mode Balance&Dim: activated via 2 DALI addresses, one to adjust brightness and one to set channel distribution (e.g. colour temperature).

Operating mode Dim2Warm: one DALI address to dim and to change the colour temperature at the same time. SwitchDim2: operation via 2 pushbutton inputs permits control of brightness and colour temperature without DALI.

Dimming range 0.1%-100%.

Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).

Power supply depending on type from 12 V to 28 V DC or 12 V to 48 V DC (depending on operating voltage of LED modules).

Connected current 8 A. The maximum connected current can be distributed to any channel.

High efficiency. Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:

The device has several operating modes:

DT8 (as-delivered state): in this mode a DALI address (Device Type 8, Colour Type Tc) is used to control brightness and colour temperature. Alternatively, operation can also take place by one or two pushbutton inputs (SwitchDim2).

SwD1: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim.

SwD2: Colour temperature.

Balance&Dim: Control is by means of 2 DALI addresses (or SwitchDim2); one address is used for dimming and the other for channel distribution (i.e., e.g.: tunable white or direct/indirect lighting distribution).

The Balance&Dim mode is used to adjust colour temperature without affecting brightness and vice versa. Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-Tc mode.

Operable via DALI or SwitchDim2:

DALI address 1, SwD1: brightness.

DALI address 2, SwD2: Balance.

Dim2Warm: The two output channels are controlled by a DALI address or an SwD input. Channel distribution is permanently coupled to the dimming value. The smaller the dimming value, the warmer the light.

DALI address 1, SwD1: Dim2Warm (Master). Press pushbutton briefly: On/Off. Press pushbutton long: Dim.

DL-TW-2LT-8A-DC12+	DALI LED dimmer 8 A tunable white for flush-mounted box	Art. No. 33000010	143,50 €/pc.
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DALI-2 LED DIMMER 16 A TUNABLE WHITE FOR CEILING INSTALLATION DL-TW-2LT-16A-DC12+



Manuals and documents in further languages:
https://elitako.com/redirect/DL-TW-2LT-16A-DC12*

DALI-Cockpit page 34.
DL-USB page 35.

DL-TW-2LT-16A-DC12+



DALI-2 LED dimmer for separate control of brightness and colour temperature. For ceiling installation. 120 mm high, 30 mm wide, 22 mm deep. Protection class IP20. Only 0.12 watt standby loss.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, operating mode DT8: control brightness and colour temperature by a DALI address (Device Type 8, Colour Type Tc) operating mode Balance&Dim: activated via 2 DALI addresses, one to adjust brightness and one to set channel distribution (e.g. colour temperature).

Operating mode Dim2Warm: one DALI address to dim and to change the colour temperature at the same time. SwitchDim2: operation via 2 pushbutton inputs permits control of brightness and colour temperature without DALI.

Dimming range 0.1%-100%.

Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).

Power supply depending on type from 12 V to 28 V DC or 12 V to 48 V DC (depending on operating voltage of LED modules).

Connected current 16 A. The maximum connected current can be distributed to any channel.

High efficiency. Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:

The device has several operating modes:

DT8 (as-delivered state): in this mode a DALI address (Device Type 8, Colour Type Tc) is used to control brightness and colour temperature. Alternatively, operation can also take place by one or two pushbutton inputs (SwitchDim2).

SwD1: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim.

SwD2: Colour temperature.

Balance&Dim: Control is by means of 2 DALI addresses (or SwitchDim2); one address is used for dimming and the other for channel distribution (i.e., e.g.: tunable white or direct/indirect lighting distribution).

The Balance&Dim mode is used to adjust colour temperature without affecting brightness and vice versa. Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-Tc mode.

Operable via DALI or SwitchDim2:

DALI address 1, SwD1: brightness.

DALI address 2, SwD2: Balance.

Dim2Warm: The two output channels are controlled by a DALI address or an SwD input. Channel distribution is permanently coupled to the dimming value. The smaller the dimming value, the warmer the light.

DALI address 1, SwD1: Dim2Warm (Master). Press pushbutton briefly: On/Off. Press pushbutton long: Dim.

DL-TW-2LT-16A-DC12+	DALI2 LED dimmer 16 A tunable white for ceiling installation	Art. No. 33000011	172,50 €/pc.
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DALI LED DIMMER 16 A TUNABLE WHITE FOR DIN-EN 60715 TH35 RAIL MOUNTING
DL-TW-2LT-R16A-DC12+



Manuals and documents in further languages:
<https://eltako.com/redirect/DL-TW-2LT-R16A-DC12+>

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DL-TW-2LT-R16A-DC12+



DALI LED dimmer for separate control of brightness and colour temperature. For DIN-EN 60715 TH35 rail mounting. 98 mm high, 17,5 mm wide, 56 mm deep. Protection class IP20. Only 0.12 watt standby loss.

Device with 2 DALI tunable white LED dimmers.
Designed to control **constant voltage** LED modules for 12 V to 48 V.
2 DALI addresses (Device Type 8, Colour Type Tc).
Each DT8-Tc address permits the separate control of brightness and colour temperature.
Dimming range 1%-100%.
PWM frequency 488 Hz.
Power voltage from 12 V to 48 V DC.
Connected current from 16 A. The maximum connected current can be distributed as required.
High efficiency >98%.
Configuration via DALI-Cockpit PC software and DALI USB interface.

Settings:
The device includes 2 DALI tunable white LED dimmers. A DALI address is used to control each dimmer. The addresses support DT8 commands (Colour Type Tc) to control brightness and colour temperature separately from each other.

DL-TW-2LT-R16A-DC12+	DALI LED dimmer 16 A tunable white for DIN-EN 60715 TH35 rail mounting	Art. No. 33000012	186,20 €/pc.
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DALI LED DIMMER RGB 8 A FOR INSTALLATION (DT8) DL-RGB-8A-DC12+



Manuals and documents in further languages:
<https://eltako.com/redirect/DL-RGB-8A-DC12+>

DALI-Cockpit page 34.
DL-USB page 35.

DL-RGB-8A-DC12+



DALI LED dimmer with RGB colour control for luminary installation and installation. 59 mm long, 33 mm wide, 15 mm high. Protection class IP20. Only 0.12 watt standby loss.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, operating mode DT8: a DALI address to control brightness and colour DALI DT8, Type RGBWAF}. Operating mode Colour&Dim: activated by 2 DALI addresses, one to adjust brightness and one to set the colour.

SwitchDim2: Operation via 2 switch inputs permit brightness and colour to be controlled without DALI. Dimming range 0.1%-100%.

Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).

Power voltage 12 V to 48 V DC (depending on operating voltage of LED modules).

Connected current 8 A. The maximum connected current can be distributed to the channels as required.

Low stand-by losses.

High efficiency.

Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:

The device has several operating modes:

DT8 (as-delivered state): In this operating mode brightness and colour are controlled by a DALI address (Device Type 8). Alternatively, operation can also take place by two pushbutton inputs (SwitchDim2): SwD1: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim. SwD2: Colour.

Colour&Dim: This operating mode is used to control RGB luminaries. Control is by means of 2 DALI addresses; one address affects brightness and the other affects channel distribution (e.g.: colour). Colour&Dim mode is used to adjust colour temperature without affecting brightness and vice versa. Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-RGBWAF mode.

Operable via DALI or SwitchDim2:

DALI address 1, SwD1: brightness.

DALI address 2, SwD2: Colour.

DL-RGB-8A-DC12+	DALI LED RGB dimmer 8 A for flush-mounted box (DT8)	Art. No. 33000013	159,00 €/pc.
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Manuals and documents in further languages:
https://eltako.com/redirect/DL-RGB-16A-DC12*

DALI-Cockpit page 34.
DL-USB page 35.

DL-RGB-16A-DC12+



DALI-2 LED dimmer with RGB colour control for ceiling installation. 120 mm high, 30 mm wide, 22 mm deep. Protection class IP20. Only 0.12 watt standby loss.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, operating mode DT8: a DALI address to control brightness and colour DALI DT8, Type RGBWAF).

Operating mode Colour&Dim: activated by 2 DALI addresses, one to adjust brightness and one to set the colour.

SwitchDim2: Operation via 2 switch inputs permit brightness and colour to be controlled without DALI.

Dimming range 0.1%-100%.

Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).

Power voltage 12 V to 48 V DC (depending on operating voltage of LED modules).

Connected current 16 A. The maximum connected current can be distributed to the channels as required.

Low stand-by losses.

High efficiency.

Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:

The device has several operating modes:

DT8 (as-delivered state): In this operating mode brightness and colour are controlled by a DALI address (Device Type 8). Alternatively, operation can also take place by two pushbutton inputs (SwitchDim2):

SwD1: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim.

SwD2: Colour.

Colour&Dim: This operating mode is used to control RGB luminaries. Control is by means of 2 DALI addresses; one address affects brightness and the other affects channel distribution (e.g.: colour).

Colour&Dim mode is used to adjust colour temperature without affecting brightness and vice versa.

Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-RGBWAF mode.

Operable via DALI or SwitchDim2:

DALI address 1, SwD1: brightness.

DAI address 2, SwD2: Colour.

DL-RGB-16A-DC12+	DALI2 LED RGB dimmer 16 A for ceiling installation (DT8)	Art. No. 33000014	199,50 €/pc.
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DALI LED RGB DIMMER 16 A FOR DIN-EN 60715 TH35 RAIL MOUNTING (DT8)
DL-RGB-R16A-DC12+



Manuals and documents in further languages:
https://eltako.com/redirect/DL-RGB-R16A-DC12*

DALI-Cockpit page 34.
DL-USB page 35.

DL-RGB-R16A-DC12+



DALI LED dimmer with RGB colour control for DIN-EN 60715 TH35 rail mounting. 98 mm high, 17,5 mm wide, 56 mm deep. Protection class IP20. Only 0.12 watt standby loss.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, operating mode DT8: a DALI address to control brightness and colour DALI DT8, Type RGBWAF).
Operating mode Colour&Dim: activated by 2 DALI addresses, one to adjust brightness and one to set the colour.
SwitchDim2: Operation via 2 switch inputs permit brightness and colour to be controlled without DALI.
Dimming range 0.1%-100%.
Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).
Power voltage 12 V to 48 V DC (depending on operating voltage of LED modules).
Connected current 16 A. The maximum connected current can be distributed to the channels as required.
Low stand-by losses.
High efficiency.
Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:

The device has several operating modes:
DT8 (as-delivered state): In this operating mode brightness and colour are controlled by a DALI address (Device Type 8). Alternatively, operation can also take place by two pushbutton inputs (SwitchDim2):
SwD1: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim.
SwD2: Colour.
Colour&Dim: This operating mode is used to control RGB luminaries. Control is by means of 2 DALI addresses; one address affects brightness and the other affects channel distribution (e.g.: colour).
Colour&Dim mode is used to adjust colour temperature without affecting brightness and vice versa. Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-RGBWAF mode.
Operable via DALI or SwitchDim2:
DALI address 1, SwD1: brightness.
DALI address 2, SwD2: Colour.

DL-RGB-R16A-DC12+	DALI LED RGB dimmer 16 A for DIN-EN 60715 TH35 rail mounting (DT8)	Art. No. 33000023	199,50 €/pc.
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Manuals and documents in further languages:
<https://eltako.com/redirect/DL-3CH-8A-DC12+>

DALI-Cockpit page 34.
DL-USB page 35.

DL-3CH-8A-DC12+



3 channels DALI LED dimmer for luminary installation and installation. 59 mm long, 33 mm wide, 15 mm high. Protection class IP20. Only 0.12 watt standby loss.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, operating mode DT6: separate control of channels via 3 DALI addresses.
Operating mode Colour&Dim: activated by 2 DALI addresses, one to adjust brightness and one to set the colour.
SwitchDim2: operation via 2 pushbutton inputs permits control of brightness and colour without DALI. Dimming range 0.1%-100%.
Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).
Power supply from 12 V to 48 V DC (depending on operating voltage of LED modules).
Connected current 8 A. The maximum connected current can be distributed to any channel.
High efficiency.
Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:
The device has several operating modes:
DT6 (as-delivered state): In this operating mode each channel is controlled by a separate DALI address (Device Type 6). Alternatively, operation can also take place by two pushbutton inputs (SwitchDim2): SwD1: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim. SwD2: Scene switch (press pushbutton briefly).
Colour&Dim: This operating mode is used to control RGB luminaries. Control is by means of 2 DALI addresses; one address affects brightness and the other affects channel distribution (e.g.: colour). Colour&Dim mode is used to adjust colour temperature without affecting brightness and vice versa. Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-RGBWAF mode. Operable via DALI or SwitchDim2: DALI address 1, SwD1: brightness. DALI address 2, SwD2: Colour.

DL-3CH-8A-DC12+	DALI LED 3 channels dimmer 8 A for flush-mounted box (DT6)	Art. No. 33000017	143,40 €/pc.
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Manuals and documents in further languages:
https://elitako.com/redirect/DL-3CH-16A-DC12*

DALI-Cockpit page 34.
DL-USB page 35.

DL-3CH-16A-DC12+



DALI-2 LED 3 channels dimmer for ceiling installation 120 mm high, 30 mm wide, 22 mm deep.
Protection class IP20. Only 0.12 watt standby loss.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible.

Designed to activate **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, operating mode DT6: separate control of channels via 3 DALI addresses.

Operating mode Colour&Dim: activated by 2 DALI addresses, one to adjust brightness and one to set the colour.

SwitchDim2: operation via 2 pushbutton inputs permits control of brightness and colour without DALI.

Dimming range 0.1%-100%.

Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).

Power supply from 12 V to 48 V DC (depending on operating voltage of LED modules).

Connected current 16 A. The maximum connected current can be distributed to any channel.

High efficiency.

Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:

The device has several operating modes:

DT6 (as-delivered state): In this operating mode each channel is controlled by a separate DALI address (Device Type 6). Alternatively, operation can also take place by two pushbutton inputs (SwitchDim2):

SwD1: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim.

SwD2: Scene switch (press pushbutton briefly).

Colour&Dim: This operating mode is used to control RGB luminaries. Control is by means of 2 DALI addresses; one address affects brightness and the other affects channel distribution (e.g.: colour).

Colour&Dim mode is used to adjust colour temperature without affecting brightness and vice versa.

Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-RGBWAF mode.

Operable via DALI or SwitchDim2: DALI address 1, SwD1: brightness. DALI address 2, SwD2: Colour.

DL-3CH-16A-DC12+	DALI2 LED 3 channels dimmer 16 A for ceiling installation (DT6)	Art. No. 33000018	161,40 €/pc.
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DALI LED 3 CHANNELS DIMMER 16 A FOR DIN-EN 60715 TH35 RAIL MOUNTING (DT6) DL-3CH-R16A-DC12+



Manuals and documents in further languages:
https://eltako.com/redirect/DL-3CH-R16A-DC12*

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DL-USB page 35.

DL-3CH-R16A-DC12+



3 channels DALI LED dimmer for DIN-EN 60715 TH35 rail mounting. 98 mm high, 17,5 mm wide, 56 mm deep. Protection class IP20. Only 0.12 watt standby loss.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, operating mode DT6: separate control of channels via 3 DALI addresses.

Operating mode Colour&Dim: activated by 2 DALI addresses, one to adjust brightness and one to set the colour.

SwitchDim2: operation via 2 pushbutton inputs permits control of brightness and colour without DALI.

Dimming range 0.1%-100%.

Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).

Power supply from 12 V to 48 V DC (depending on operating voltage of LED modules).

Connected current 16 A. The maximum connected current can be distributed to any channel.

High efficiency.

Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:

The device has several operating modes:

DT6 (as-delivered state): In this operating mode each channel is controlled by a separate DALI address (Device Type 6). Alternatively, operation can also take place by two pushbutton inputs (SwitchDim2):

SwD1: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim.

SwD2: Scene switch (press pushbutton briefly).

Colour&Dim: This operating mode is used to control RGB luminaires. Control is by means of 2 DALI addresses; one address affects brightness and the other affects channel distribution (e.g.: colour).

Colour&Dim mode is used to adjust colour temperature without affecting brightness and vice versa.

Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-RGBWAF mode.

Operable via DALI or SwitchDim2: DALI address 1, SwD1: brightness. DALI address 2, SwD2: Colour.

DL-3CH-R16A-DC12+	DALI LED 3 channels dimmer 16 A for DIN-EN 60715 TH35 rail mounting (DT6)	Art. No. 33000024	161,40 €/pc.
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DALI LED 4 CHANNELS DIMMER 8 A FOR INSTALLATION (DT6) DL-4CH-8A-DC12+



Manuals and documents in further languages:
<https://eltako.com/redirect/DL-4CH-8A-DC12+>

DALI-Cockpit page 34.
DL-USB page 35.

DL-4CH-8A-DC12+



4 channels DALI LED dimmer for luminary installation and installation. 59 mm long, 33 mm wide, 15 mm high. Protection class IP20. Only 0.12 watt standby loss.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, operating mode DT6: separate control of channels via 4 DALI addresses.

Operating mode Colour&Dim: activated by 2 DALI addresses, one to adjust brightness and one to set the colour.

SwitchDim2: operation via 2 pushbutton inputs permits control of brightness and colour without DALI. Dimming range 0.1%-100%.

Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).

Power supply from 12 V to 48 V DC (depending on operating voltage of LED modules).

Connected current 8 A. The maximum connected current can be distributed to any channel.

High efficiency.

Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:

The device has several operating modes:

DT6 (as-delivered state): In this operating mode each channel is controlled by a separate DALI address (Device Type 6). Alternatively, operation can also take place by two pushbutton inputs (SwitchDim2):

SwD1: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim.

SwD2: Scene switch (press pushbutton briefly).

Colour&Dim: This operating mode is used to control RGB luminaries. Control is by means of 2 DALI addresses; one address affects brightness and the other affects channel distribution (e.g.: colour).

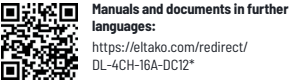
Colour&Dim mode is used to adjust colour temperature without affecting brightness and vice versa.

Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-RGBWAF mode.

Operable via DALI or SwitchDim2: DALI address 1, SwD1: brightness. DALI address 2, SwD2: Colour.

DL-4CH-8A-DC12+	DALI LED 4 channels dimmer 8 A for flush-mounted box (DT6)	Art. No. 33000019	157,00 €/pc.
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DALI-2 LED 4 CHANNELS DIMMER 16 A FOR CEILING INSTALLATION (DT6)
DL-4CH-16A-DC12+



DALI-Cockpit page 34.
DL-USB page 35.

DL-4CH-16A-DC12+



DALI-2 LED 4 channels dimmer for ceiling installation 120 mm high, 30 mm wide, 22 mm deep.
Protection class IP20. Only 0.12 watt standby loss.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible. Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, operating mode DT6: separate control of channels via 4 DALI addresses. Operating mode Colour&Dim: activated by 2 DALI addresses, one to adjust brightness and one to set the colour. SwitchDim2: operation via 2 pushbutton inputs permits control of brightness and colour without DALI. Dimming range 0.1%-100%. Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz). Power supply from 12 V to 48 V DC (depending on operating voltage of LED modules). Connected current 16 A. The maximum connected current can be distributed to any channel. High efficiency. Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:
The device has several operating modes:

DT6 (as-delivered state): In this operating mode each channel is controlled by a separate DALI address (Device Type 6). Alternatively, operation can also take place by two pushbutton inputs (SwitchDim2): SwD1: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim. SwD2: Scene switch (press pushbutton briefly)

Colour&Dim: This operating mode is used to control RGB luminaires. Control is by means of 2 DALI addresses; one address affects brightness and the other affects channel distribution (e.g.: colour). Colour&Dim mode is used to adjust colour temperature without affecting brightness and vice versa. Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-RGBWAF mode. Operable via DALI or SwitchDim2: DALI address 1, SwD1: brightness. DALI address 2, SwD2: Colour.

DL-4CH-16A-DC12+	DALI2 LED 4 channels dimmer 16 A for ceiling installation (DT6)	Art. No. 33000020	174,90 €/pc.
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DALI LED 4 CHANNELS DIMMER 16 A FOR DIN-EN 60715 TH35 RAIL MOUNTING (DT6)
DL-4CH-R16A-DC12+



Manuals and documents in further languages:
<https://eltako.com/redirect/DL-4CH-R16A-DC12+>

DALI-Cockpit page 34.
DL-USB page 35.

DL-4CH-R16A-DC12+



DALI LED 4 channels dimmer for DIN-EN 60715 TH35 rail mounting. 98 mm high, 17,5 mm wide, 56 mm deep.
Protection class IP20. Only 0.12 watt standby loss.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V, operating mode DT6: separate control of channels via 4 DALI addresses.

Operating mode Colour&Dim: activated by 2 DALI addresses, one to adjust brightness and one to set the colour.

SwitchDim2: operation via 2 pushbutton inputs permits control of brightness and colour without DALI. Dimming range 0.1%-100%.

Switchable PWM frequency (122 Hz/244 Hz/488 Hz/976 Hz).

Power supply from 12 V to 48 V DC (depending on operating voltage of LED modules).

Connected current 16 A. The maximum connected current can be distributed to any channel.

High efficiency.

Configuration via DALI-Cockpit PC software and DALI USB interface.

Operating modes:

The device has several operating modes:

DT6 (as-delivered state): In this operating mode each channel is controlled by a separate DALI address (Device Type 6). Alternatively, operation can also take place by two pushbutton inputs (SwitchDim2):

SwD1: brightness. Press pushbutton briefly: On/Off. Press pushbutton long: Dim.

SwD2: Scene switch (press pushbutton briefly).

Colour&Dim: This operating mode is used to control RGB luminaries. Control is by means of 2 DALI addresses; one address affects brightness and the other affects channel distribution (e.g.: colour). Colour&Dim mode is used to adjust colour temperature without affecting brightness and vice versa.

Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-RGBWAF mode.

Operable via DALI or SwitchDim2: DALI address 1, SwD1: brightness. DALI address 2, SwD2: Colour.

DL-4CH-R16A-DC12+	DALI LED 4 channels dimmer 16 A for DIN-EN 60715 TH35 rail mounting (DT6)	Art. No. 33000021	190,60 €/pc.
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Manuals and documents in further languages:
<https://eltako.com/redirect/DL-RM8A>

DALI-Cockpit page 34.
 DL-USB page 35.

DL-RM8A



Module to control a relay contact over the DALI-2 bus (DT7) for luminary installation and installation.
 59 mm long, 33 mm wide, 15 mm high. Protection class IP20. DALI current consumption 2.7 mA.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible. Compact relay module for direct control of 230 V loads over DALI. Loads without DALI input are easily integrated in a DALI circuit. Loads can be switched on/off by DALI commands. The device function complies with the standard for DALI Device Type 7 – switching function (as of Firmware 2.0). Adjustable characteristic for power-up and bus power failure. The DALI RM8 is powered over the DALI bus. No additional power supply is required. Zero passage switch-on. The module represents a bus user and is therefore addressable. Configuration via DALI-Cockpit PC software.

DALI functions and command set:

The DALI RM8 can integrate loads on the DALI bus and can then switch them on/off. The DALI RM8 is a control device for non-dimmable loads based on the DALI specifications in IEC 62386-208 (Device Type 7). Accordingly, the switch characteristic is determined by comparing the virtual dim level (VDAP) with 4 switching thresholds. The virtual dim level (VDAP) corresponds to the dim level of a DALI electronic ballast with its corresponding characteristics (limited by MINLEVEL and MAXLEVEL, dimming speed limited by fade time and fade rate). There are 2 switching thresholds in each dimming direction and they are used for comparison with the virtual dim level. Only the applicable switching threshold for the current virtual dimming direction is evaluated. A threshold with the value 'MASK' is inactive and is not used in the comparison. Switch-on/off delays can be implemented with fading. The DALI RM8 is powered from the DALI bus. The relay response to a bus power failure can be configured by the SystemFailureLevel (no change, ON or OFF, factory setting: ON). The power-on response after applying bus power can be set with PowerOnLevel.

DL-RM8A	DALI2 relay module 8 A for flush-mounted box (DT7)	Art. No. 33000007	150,20 €/pc.
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Manuals and documents in further languages:
<https://eltako.com/redirect/DL-RM16A-HS-WE>

DALI-Cockpit page 34.
DL-USB page 35.

DL-RM16A-HS-WE



Module to control a relay contact over the DALI bus (DT7) for DIN top-hat rails DIN-EN 60715 TH35. 98 mm high, 17,5 mm wide, 56 mm deep. Protection class IP20. DALI current consumption 2.7 mA.

Compact relay module for direct control of 230V loads over DALI. Loads without DALI input are easily integrated in a DALI circuit. Loads can be switched on/off by DALI commands. The device function complies with the standard for DALI Device Type 7 – switching function (as of Firmware 2.0). Adjustable characteristic for power-up and bus power failure.

The DALI RM16 is powered over the DALI bus. No additional power supply is required. Zero passage switch-on. Integrated power-on current limit, particularly suitable for loads with very high power-on current (> 100 A). The interface represents a bus user and is therefore addressable. Configuration via DALI-Cockpit PC software.

DALI functions and command set:

The DALI RM16 can integrate loads on the DALI bus and can then switch them on/off. The DALI RM16 is a control device for non-dimmable loads based on the DALI specifications in IEC 62386-208 (Device Type 7). Accordingly, the switch characteristic is determined by comparing the virtual dim level (VDAP) with 4 switching thresholds. The virtual dim level (VDAP) corresponds to the dim level of a DALI electronic ballast with its corresponding characteristics (limited by MINLEVEL and MAXLEVEL, dimming speed limited by fade time and fade rate).

There are 2 switching thresholds in each dimming direction and they are used for comparison with the virtual dim level. Only the applicable switching threshold for the current virtual dimming direction is evaluated.

A threshold with the value 'MASK' is inactive and is not used in the comparison.

Switch-on/off delays can be implemented with fading.

The DALI RM16 is powered from the DALI bus. The relay response to a bus power failure can be configured by the SystemFailureLevel (no change, ON or OFF, factory setting: ON). The power-on response after applying bus power can be set with PowerOnLevel.

DL-RM16A-HS-WE	DALI relay module 16 A for DIN-EN 60715 TH35 rail mounting (DT7)	Art. No. 33000006	174,90 €/pc.
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DALI-2 PHASE DIMMER 300 W FOR CEILING INSTALLATION (DT4) DL-PD-300W-RLC



Manuals and documents in further languages:
<https://eltako.com/redirect/DL-PD-300W-RLC>

DALI-Cockpit page 34.
 DL-USB page 35.

DL-PD-300W-RLC



Phase dimmer with DALI-2 control input for ceiling installation. 120 mm high, 30 mm wide, 22 mm deep. Protection class IP20.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible. Suitable for dimming 230 V LED retrofit luminaires using DALI. Converts DALI dimming level to a voltage with leading or trailing edge. The minimum dimming level (MIN LEVEL) is adjustable via DALI. Additional operating mode as switch (conforms to DT7) as from Firmware 3.5. The module represents a bus user and is therefore addressable. Double terminals for easy looping of the DALI bus.

Dimming range 0.1%-100%.

Supply voltage 230 V AC.

Output load range 10-300 W.

High efficiency. Configuration via DALI-Cockpit PC software.

Function:

The DALI PD is an interface between classic dimming technology (phase dimming) and DALI which is based on the standard for DALI Control Gear (IEC 62386-102) and Device Type 4 equipment (IEC 62386-205). The DALI PD interface converts the required dimming level into a corresponding voltage signal with leading or trailing edge. Depending on the load the universal dimmer operates as a leading or trailing edge dimmer. The operating mode can be requested over DALI (DT4). The dimming characteristic is based on a logarithmic scale as stipulated in the DALI standard. The leading or trailing edge control supplies a sinusoidal voltage with a phase-cut on the leading or trailing edge. The PHYSICAL MINLEVEL is 3%.

As of Firmware version 3.5 the DALI PD is equipped with an additional operating mode. It is switchable from DT4 operating mode (phase dimming) to DT7 (switch). In this operating mode the DALI PD acts as a switch. Its behaviour in this mode corresponds to the DALI standard for DT7 devices (IEC62386-208).

In this operating mode the switch characteristic is determined by comparing the virtual dim level (VDAP) with 4 switching thresholds.

The virtual dim level (VDAP) corresponds to the dim level of a DALI electronic ballast with its corresponding characteristics (limited by MINLEVEL and MAXLEVEL, dimming speed limited by fade time and fade rate). There are 2 switching thresholds in each dimming direction and they are used for comparison with the virtual dim level:

A threshold with the value 'MASK' is inactive and is not used in the comparison.

Switch-on/off delays can be implemented with fading.

The device is powered from the DALI bus so that there is only partial support for the SYSTEM FAILURE LEVEL. On current devices (identified by Firmware > 4.0), you can choose between 0%,100% and MASK. On older models the SYSTEM FAILURE LEVEL is fixed - the 25 W variant outputs 100%; the 300 W variant outputs 0%.

DL-PD-300W-RLC	DALI Phase dimmer 300 W for ceiling installation (DT4)	Art. No. 33000009	228,80 €/pc.
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DALI-2 PHASE DIMMER 300 W FOR DIN-EN 60715 TH35 RAIL MOUNTING (DT4) DL-PD-300W-RLC-HS



Manuals and documents in further languages:
<https://eltako.com/redirect/DL-PD-300W-RLC-HS>

DALI-Cockpit page 34.
DL-USB page 35.

DL-PD-300W-RLC-HS



Phase dimmer with DALI-2 control input for DIN top-hat rails DIN-EN 60715 TH35. 98 mm high, 17,5 mm wide, 56 mm deep. Protection class IP20.

DALI-2 certified. DALI-2 is the newest generation of the DALI standard with an extended range of functions. DALI-2 devices also include all previous DALI functions and are therefore backwards compatible. Suitable for dimming 230 V LED retrofit luminaires using DALI Converts DALI dimming level to a voltage with leading or trailing edge. The minimum dimming level (MIN LEVEL) is adjustable via DALI. Additional operating mode as switch (conforms to DT7) as from Firmware 3.5. The module represents a bus user and is therefore addressable. Double terminals for easy looping of the DALI bus.

Dimming range 0.1%-100%.

Supply voltage 230 V AC.

Output load range 10-300 W.

High efficiency. Configuration via DALI-Cockpit PC software.

Function:

The DALI PD is an interface between classic dimming technology (phase dimming) and DALI which is based on the standard for DALI Control Gear (IEC 62386-102) and Device Type 4 equipment (IEC 62386-205). The DALI PD interface converts the required dimming level into a corresponding voltage signal with leading or trailing edge. Depending on the load the universal dimmer operates as a leading or trailing edge dimmer. The operating mode can be requested over DALI (DT4). The dimming characteristic is based on a logarithmic scale as stipulated in the DALI standard. The leading or trailing edge control supplies a sinusoidal voltage with a phase-cut on the leading or trailing edge. The PHYSICAL MINLEVEL is 3%.

As of Firmware version 3.5 the DALI PD is equipped with an additional operating mode. It is switchable from DT4 operating mode (phase dimming) to DT7 (switch). In this operating mode the DALI PD acts as a switch. Its behaviour in this mode corresponds to the DALI standard for DT7 devices (IEC62386-208).

In this operating mode the switch characteristic is determined by comparing the virtual dim level (VDAP) with 4 switching thresholds.

The virtual dim level (VDAP) corresponds to the dim level of a DALI electronic ballast with its corresponding characteristics (limited by MINLEVEL and MAXLEVEL, dimming speed limited by fade time and fade rate). There are 2 switching thresholds in each dimming direction and they are used for comparison with the virtual dim level:

A threshold with the value 'MASK' is inactive and is not used in the comparison.

Switch-on/off delays can be implemented with fading.

The device is powered from the DALI bus so that there is only partial support for the SYSTEM FAILURE LEVEL. On current devices (identified by Firmware > 4.0), you can choose between 0%,100% and MASK. On older models the SYSTEM FAILURE LEVEL is fixed - the 25 W variant outputs 100%; the 300 W variant outputs 0%.

DL-PD-300W-RLC-HS	DALI Phase dimmer 300 W for DIN-EN 60715 TH35 rail mounting (DT4)	Art. No. 33000008	228,80 €/pc.
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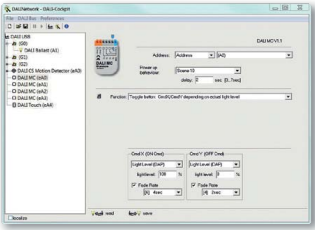


DALI-Cockpit page 34.
DL-USB page 35.



A brightness value can be defined for every reference point (as-delivered state: MASK -> no influence on brightness).

DL-CTV	DALI control unit for controlling the circadian course of daylight for flush-mounted box	Art. No. 33000001	311,60 €/pc.
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Download:
[https://eltako.com/redirect/
DALI-Cockpit_und_DALI-Monitor](https://eltako.com/redirect/DALI-Cockpit_und_DALI-Monitor)

DALI-COCKPIT AND DALI-MONITOR


Software to commission DALI systems and monitor DALI bus communication.

The following functions are supported:
Addressing DALI systems, configuration of DALI components, configuration of standard DALI operating units, definition of groups and scenes, logging bus communication, sending DALI commands and saving/ loading the entire system configuration.
The software requires a DALI USB interface module DL-USB mini or DL-Flash- USB.

DALI-Cockpit and DALI-Monitor	DALI commissioning tool	Download: Scan QR code or go to website: Downloads → Software
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OVERVIEW SOFTWARE

Dali USB interface



Info
Name DALI USB PS 30mA
Manufacturer Lunatone Ver 2.2.1
Serial Number 114550 Update
DALI: Addressing and Commands
Addressing...
DALI Commands...
Configure Scenes...
Bus power
ON On Off
Config Control Gear
Actual Level 0.000 % Set
MIN Level 0.100 % Set
MAX Level 100.00 % Set
Power On Level 100.00 % Set
System Fail Level 100.00 % Set
Fade Time no fade s Set
Fade Rate 44.7 st/s Set
Off Min Max
Up Step Up On and Step Up
Down Step Down Step Down and Off
Recall

Installation

addressing

Scenes configuration

Sends the DALI command OFF to all devices

Sends the DALI command RECALL MAX to all devices



Manuals and documents in further languages:
<https://eltako.com/redirect/DL-USB mini>

DL-USB MINI



**Interface for communication between PC programs and modules in the DALI lighting system.
For luminary installation and installation. 59 mm long, 33 mm wide, 15 mm high. Protection class IP20.**

Interface module for communication between a DALI system and PC applications.

Bidirectional data traffic.

For addressing, configuration, status queries, parameter settings of DALI components.

Support for DALI standard and various extended DALI protocols. Monitoring DALI bus communication.

Galvanic isolation. Powered over the DALI bus and the USB interface.

DALI-Cockpit PC software to configure and monitor a DALI system.

Double DALI terminals to loop the DALI bus connection.

DL-USB mini	DALI-USB interface for flush-mounted box	Art. No. 33000002	408,10 €/pc.
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Manuals and documents in further languages:
<https://eltako.com/redirect/DL-Flash-USB>

DL-FLASH-USB



**Interface for communication between PC programs and modules in the DALI lighting system.
For DIN-EN 60715 TH35 rail mounting. 98 mm high, 17,5 mm wide, 56 mm deep. Protection class IP20.**

Interface module for communication between a DALI system and PC applications.

Bidirectional data traffic.

For addressing, configuration, status queries, parameter settings of DALI components. Support for DALI standard and various extended DALI protocols. Monitoring DALI bus communication.

Galvanic isolation. Powered over the DALI bus and the USB interface.

DALI-Cockpit PC software to configure and monitor a DALI system.

Double DALI terminals to loop the DALI bus connection.

DL-Flash-USB	DALI-USB interface for DIN-EN 60715 TH35 rail mounting	Art. No. 33000025	414,40 €/pc.
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TECHNICAL DATA DALI DEVICES

Type	DL-RM8A, DL-1CH-8A-DC12+, DL-TW-2LT-8A-DC12+, DL-RGB-8A-DC12+, DL-3CH-8A-DC12+, DL-4CH-8A-DC12+	DL-1CH-16A-DC12+, DL-TW-2LT-16A-DC12+, DL-RGB-16A-DC12+, DL-3CH-16A-DC12+, DL-4CH-16A-DC12+	DL-RM16A-HS-WE DL-1CH-R16A-DC12+, DL-TW-2LT-R16A-DC12+, DL-RGB-R16A-DC12+, DL-3CH-R16A-DC12+, DL-4CH-R16A-DC12+	DL-USB-mini, DL-Flash-USB	DL-PD-300W-RLC DL-PD-300W-RLC-HS	DL2-TK1L, DL2-TK1L-N-50mA, DL2-TK2L-N-50mA
Power supply	12 V DC-48 V DC DL-RM8A: via DALI bus	12 V DC-48 V DC	12 V DC-48 V DC DL-RM16A: via DALI bus	via USB	230 V	120 V - 240 V
Connected current	8 A	16 A	16 A	-	300 W	-
DALI current consumption	2 mA	2 mA	2 mA	-	2 mA	50 mA DL2-TK1L: 4.6 mA
State after network recovery	adjustable via DALI: 0%-100%, final value	adjustable via DALI: 0%-100%, final value	adjustable via DALI: 0%-100%, final value	-	adjustable via DALI: 0%-100%, final value	adjustable via DALI: 0%-100%, final value
Expected service life (at Tc<=75°C)	>100000 h	>100000 h	>100000 h	-	∞	>100000 h
Protection class	IP20	IP20	IP20	IP20	IP20	IP20
Max. wire cross section	1,5 mm ²	2.5 mm ² , DALI/Sw&Dim: 1.5 mm ² DL-TW-2LT-: 1.5 mm ² , power supply (V+, V-): 2.5 mm ²	2.5 mm ² , DALI/Sw&Dim: 1.5 mm ² DL-TW-2LT-: 1.5 mm ² , power supply (V+, V-): 2.5 mm ²	-	DL-PD-300W-RLC: 1.5 mm ² DL-PD-300W-RLC-HS: 2.5 mm ²	1.5 mm ²
Housing/ installation	Luminary installation and installation	Ceiling installation	DIN rail DIN-EN 60715 TH35	DL-USB-mini: Installation DL-Flash-USB: DIN rail IN-EN 60715 TH35	DL-PD-300W-RLC: Ceiling installation DL-PD-300W-RLC-HS: Installation DIN rail DIN-EN 60715 TH35	

Type	DL2-TK1L, DL2-TK1L-N-50mA, DL2-TK2L-N-50mA	DL2-BH98S-pm DL2-BH98B-pm
Power supply	120 V - 240 V	via DALI bus
Connected current	-	-
DALI current consumption	4.6 mA	3.5 mA
State after network recovery	adjustable via DALI: 0%-100%, final value	-
Expected service life (at Tc<=75°C)	>100000 h	-
Protection class	IP20	IP20
Max. wire cross section	1.5 mm ²	1.5 mm ²
Housing/ installation	Installation	Installation: with GAP-BH98-pm surface mounting with GZD-BH98 false ceiling mounting

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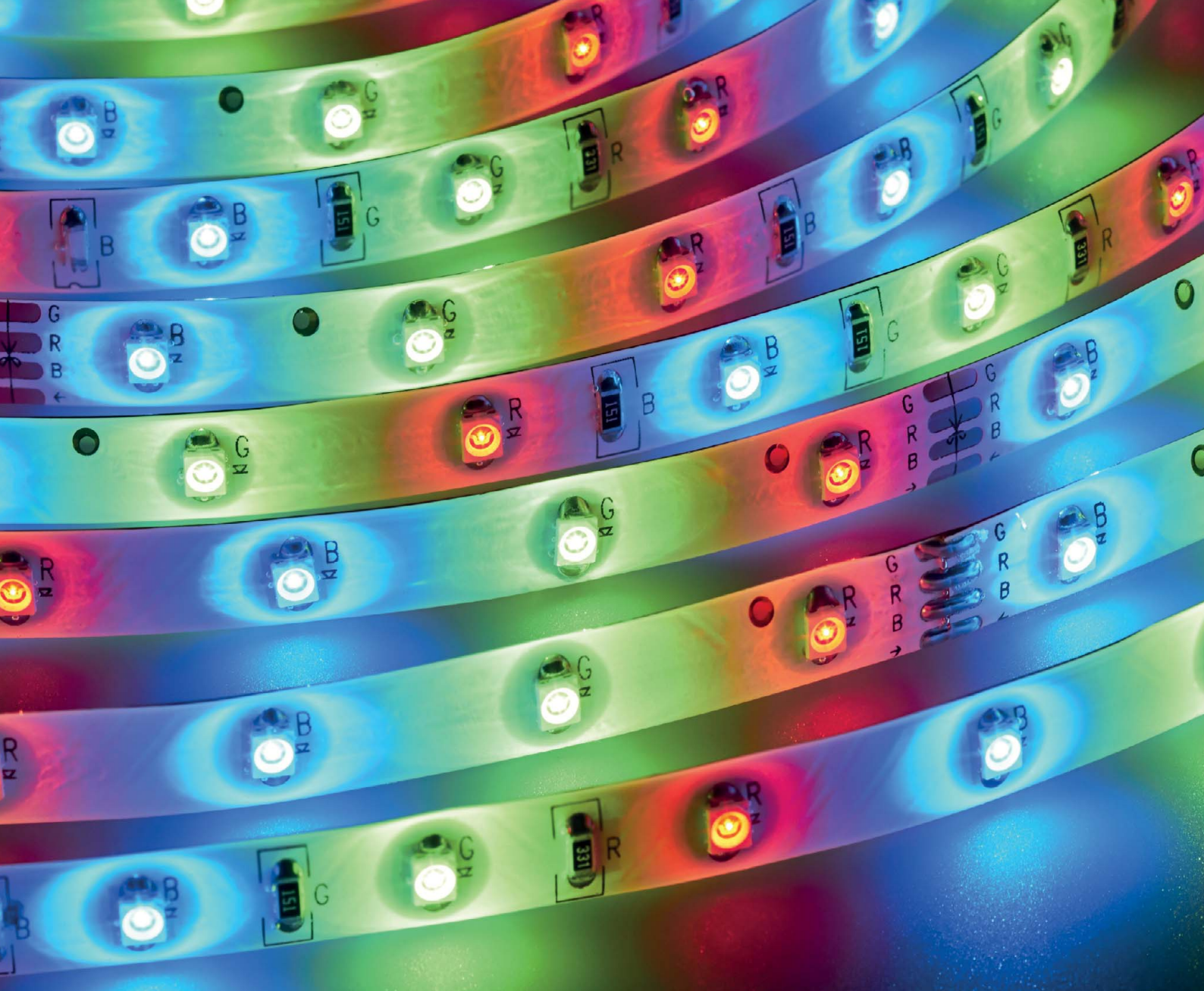
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