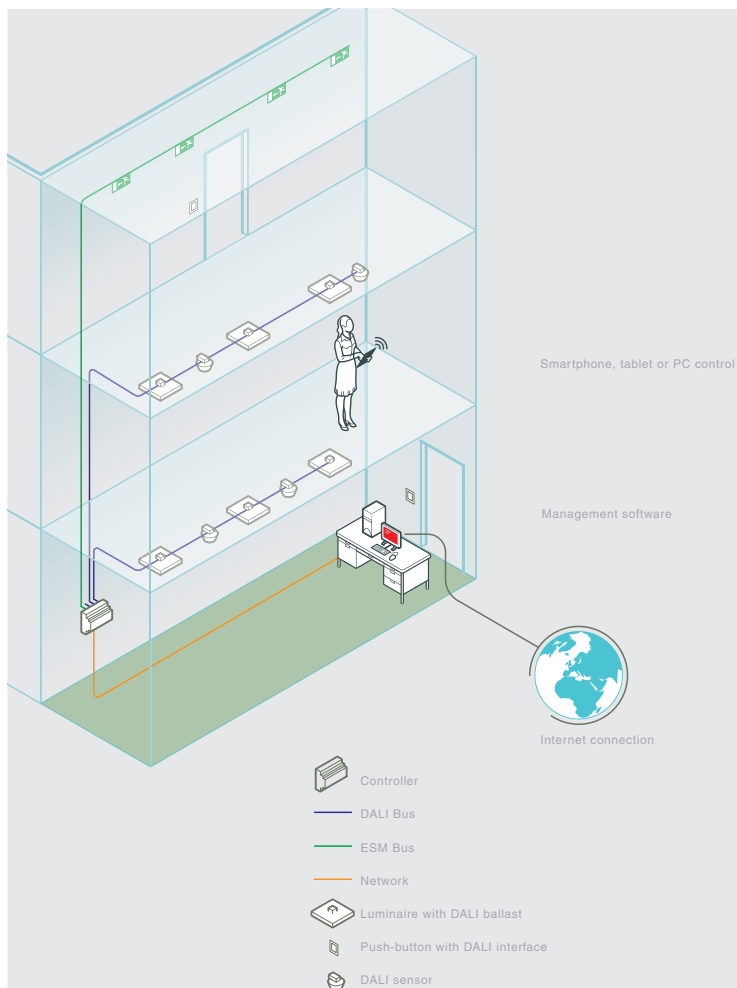


EXCELLUM2 OUTPUT COMPONENTS

Excellum2 is an advanced lighting control system developed for a maximum return of your lighting installation. Excellum2 can also be used for the central management of your emergency lighting. Excellum2 gives your lighting installation and your building a considerable added value because it is based on three principles:

- Simplicity: both installation, use and management are easy.
- Maximum energy savings: light is switched on only when necessary and dims when possible.
- Maximum flexibility: the light levels can be adapted to suit your preferences and the situation in the building.



The Excellum2 output components allow you to connect static and analogue dimmable lighting luminaires to the DALI-buses of the Excellum2 controllers.

The Excellum2 system communicates directly with lighting luminaires via DALI. However, not every luminaire in the building is usually fitted with a DALI ballast. These luminaires can still be managed via Excellum2 by using DALI components. These components translate the DALI command into a specific action like switching a relay (in the case of static luminaires) or a corresponding 1-10V dimming signal.

Some DALI components allow several DALI luminaires to be grouped so you can manage them as one unit. This is often handy to increase the number of permitted components of the DALI-bus.

The most common DALI components are:

- DALI switch to switch static luminaires
- DALI repeaters to make groups
- DALI convertors to control 1-10V luminaires

There are different brands and types of DALI components. However, to be sure they work properly it is important they comply with the DALI standard (recognisable by the DALI logo on the product).

ETAP made a selection of the most common high-quality components to make sure you or your installer don't have to go in search of suitable components for your project..

The Excellum2 lighting components are all the luminaires controlled by the system. These are mostly DALI luminaires and ESM emergency lighting luminaires because they can be connected directly to the buses of the controllers. All other lighting luminaires require a DALI converter.

EXCELLUM2 OUTPUT COMPONENTS

DALI Switch (C4N10)

The DALI Switch is an Excellum2 output component that allows static lighting luminaires to be switched on or off via DALI signals.

The DALI Switch is often used in spaces where dimming does not offer an added value, such as toilets or technical rooms without daylight.

Usually a DALI Switch has several relays which can be switched independently of each other. Every relay is given a unique DALI address.

DALI Repeater (C4N20, C4N21 and C4N22)

The DALI repeater is an Excellum2 output component that allows you to group 64 DALI-luminaires on a single DALI address. It creates a DALI subnet that can be reached by the Excellum2 system via one DALI address.

All DALI luminaires connected to the output of the repeater always react together. No DALI sensors or push-buttons may be connected to the DALI subnet because the DALI repeater is an output component and is unable to process input signals.

The DALI repeater is often used to control long corridors or large areas.

The DALI repeater is available in 3 types:

- C4N20: for integration in a luminaire
- C4N21: for use in a false ceiling
- C4N22: for DIN-rail mounting

DALI Converter (C4N23, C4N24 and C4N25)

The DALI Converter is an Excellum2 output component that allows analogue dimmable luminaires (via 1-10V) to be controlled as DALI luminaires.

In addition to a 1-10V output – for dimming – the converter has a relay to switch the analogue luminaire.

The DALI converter is available in 3 types:

- C4N23: for integration in a luminaire.
- C4N24: for use in a false ceiling.
- C4N25: for DIN-rail mounting.

Other components

Although most applications can be done with the aforementioned components you may want to use a different component. It is best to get in touch with your ETAP consultant.

Technical properties:

C4N10: DALI Switch

- Mounting: DIN-rail (105x90x59mm)
- Power supply: 230-240V AC 50/60 Hz
- Protection: IP20
- Consumption: <2W
- Output: 4 x relay max 10A
- DALI: 1 address per relay

C4N20: DALI Repeater luminaire 189x30x21mm

- Power supply: 110-240V AC 50/60 Hz
- Protection: IP20
- Consumption: max 4W

C4N21: DALI Repeater Ceiling

- C4N20 + protection contacts

C4N22: DALI Repeater DIN-rail

- Mounting: Din-rail (72x96x62mm)
- Power supply: 110-240V AC 50/60 Hz
- Protection: IP20
- Consumption: <5W

C4N23: DALI Converter luminaire

- 189x30x29mm
- Power supply: 230V AC 50/60 Hz
- Protection: IP20
- Consumption: 1W
- Output 1-10V: max 100 luminaires
- Output relay: max 5A

C4N24: DALI Converter ceiling

- C4N23 + protection contacts

C4N25: DALI Converter DIN-rail

- Mounting: Din-rail (72x90x64mm)
- Power supply: 230V AC 50/60 Hz
- Protection: IP20
- Consumption: 1W
- Output 1-10V: max 100 luminaires
- Output relay: max 5A

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