



DALI D/A Converter (digital → analog 1-10V/0-10V interface)

The DALI D/A Converter has a combination interface, converting DALI-signals into 1-10V or 0-10V, conventional electronic ballasts and electronic transformers (1-10V) as well as dimmers (0-10V). It is suitable for dimming, switching and controlling.

With the converters a complete lighting system of DALI ballasts and transformers, incandescent lamps, halogen lamps, neon lamps etc. can be controlled.

There are two DALI converter versions:

DALI D/A Converter for DIN rail systems (type DK 1-10V/0-10V NV)

This module has an internal load contact being connected with the phase. The control characteristic can be selected with a switch at the module between 1- 10V or a linear control of 0-10 V.



DALI D/A Converter

For the connection of non-DALI-compatibel ballasts or transformers with 1-10V interface or of ALTEMBURGER dimmers with 0-10V interface to DALI-systems

DALI D/A Converter to be mounted to light fixtures (Type KDK 1-10V/0-10V)

The functions of this module are identical with those of the aforementioned type DK.



For the conversion of analog interfaces 1-10V or 0 – 10V to digital DALI-interfaces the DALI Dim/Converter Control NV is available (see pages 17 f.) With the DALI Dim/Converter Control analog controls (conventional dimmers of all kind) can be converted into DALI, or DALI ballasts and controls can be integrated into existing analog systems.

Lighting controls for room subdivisions (assinger controls)

In rooms with folding walls the DALI Controller Basic NV in connection with DALI converters D/A are applicable.

In rooms without DALI ballasts all lamps are controlled with a DALI Controller Basic in combination with a DALI converter D/A. If folding walls are open the control panels in each individual room are switched in parallel with external relays. A basic controller realizes the control at all rooms. The control outputs for each room as well as for light and motion sensors (optional) are externally interconnected.

For installations only with DALI ballasts a DALI Dim/Converter Control (DC-NV) and a D/A Converter is connected to the DALI Basic Controller (see the following schematic diagram). If lamps with ballasts or transformers with 1-10V interface are used no DALI Dim/Converter Control would be required. In rooms with different groups for each group a DALI D/A converter and a DC-NV (for lamps with DALI ballasts) would be required.

Lighting scenes are set at the programmable scene selector panels in each individual room at closed walls.