Converter 1-10V signal to DALI for LED lighting

Product code:

Reference: LF-SCD010B

Technical specifications:

REFERENCE: LF-SCD010B
Dimmable: 1-10V to DALI
Certifications: CE - RoHS 2.0 (UE) 2015/863 - EN55015
IP : IP67-Outdoor
Dimensions (mm): 111 x 30 x Ø30mm
Temperature Range (ºC): -30ºC - +60ºC
Other Information: Normas DALI: IEC 62386-101, 102, 103, 207
Warranty Years: 5

Product short description:

Our model LF-SCD010B is an isolated signal converter, which transforms the DALI / push signal into a 0-10V output. It conforms to the DALI protocol IEC 62386-101, 102, 103, 207. Its input voltage ranges from 11Vdc to 13Vdc. One converter can drive up to ten 0-10V LED drivers with a strong 0-10V output signal. It flexibly adapts to many different DALI lighting system designs.

Product description:

1-10V to DALI signal converter - Model LF-SCD010B

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It conforms to the DALI protocol IEC 62386-101, 102, 103, 207.

Its input voltage ranges from 11Vdc to 13Vdc.

With a single converter it can drive up to ten 0-10V LED drivers with a strong 0-10V output signal. Flexibly adapts to many different DALI lighting system designs.

- 0-10V dimming signal output; compatible with 0-10V dimming driver; high performance, high reliability.
- 0-10V output signal can control a maximum of ten 0-10V LED drivers and achieve synchronised dimming
- Dimming range from 10% to 100% (dimmed to off)
- DALI dimming and push function; logarithmic dimming mode and linear dimming mode can be selected via the DALI interface
- IP67 rating; waterproof housing
- Warranty: 5 years

Uses of the 1-10V to DALI signal converter

- Plant lighting
- Interior office lighting
- Decorative lighting
- Commercial lighting
- Residential lighting

Wiring diagram of push-in regulation
DALI dimming wiring diagram

The DALI dimming function and the pulsed dimming function may not be used at the same time, otherwise the DALI dimmer will be damaged.

Additional images: