



# Product Specifications

**Name: DALI transform 0-10V converter**

**Model: LN-CONVERTOR-DALI-0-10V**



## Summarization

DALI (Digital Addressable Lighting Interface) is an international standard, popular lighting control protocol BUS, With digital addressing dimming, stable, various dimming ways, easy to install, compatible with many big factories such characteristic.

This product adopts standard DALI dimming signal transform 0/1-10V dimming signal. The adopted protocol standard is IEC62386. Compared with traditional led dimming way, it has the characteristics of a wide range of dimming, various dimming mode, high precision dimming, can inquire the current status of lamps and lanterns (such as current brightness, power intensity, the minimum support brightness, address, etc.), digital control, etc.

## Technical parameters

- Supply voltage: AC85V-255V
- Load output: 1 channel 0V-10V or 1V-10V signal output
- Dimming signal: DALI (IEC62386)
- Signal port current: <2mA
- Signal segregate voltage: 4kV
- Dimmer range: 0.1%-100%
- Working temperature: -20-60°C
- Gross weight: 99g
- Net weight: 70g

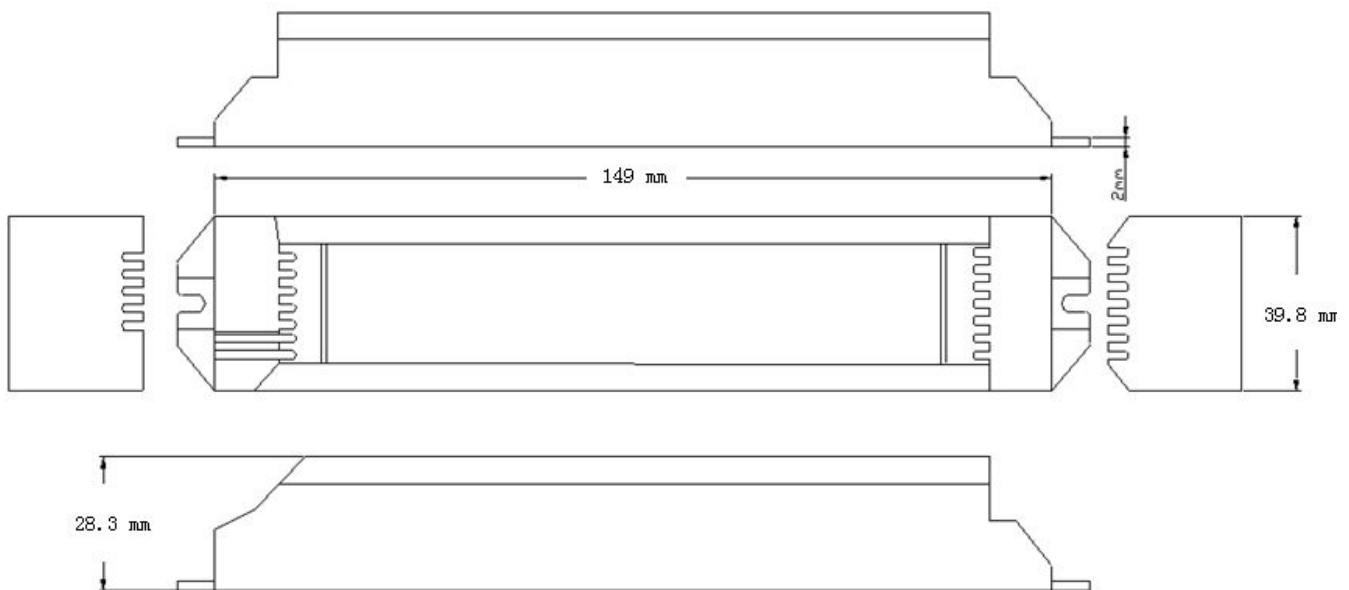


- External dimension: L149mm x W40mm x H28mm
- Packing size: L150mm x W55mm x H50mm
- Connect way: instead of screw connection mode, it is spring type, and the terminal blocks diameter is 2.6 mm.

### Function feature

- Can with a whole and grouping dimming, addressing dimming.
- Can through the default scene to dimming.
- Can flexible configuration dimming parameters.
- Can inquire dimming parameter of dimmer.
- Parameter memory function.
- Have international standard, can be compatible with DALI equipment from different factory manufacture.
- Signal line regardless of pole, do not need routing alone, easy to install.

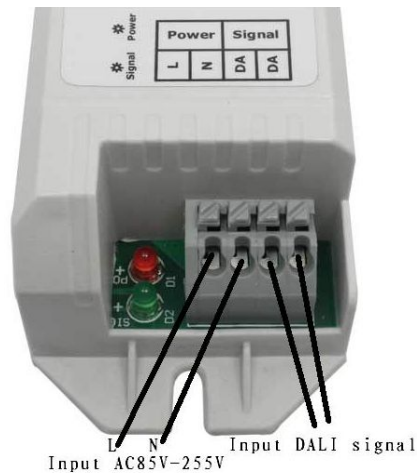
### External Dimension:





## Interface Specifications:

Power supply input and DALI signal output port:



0/1V-10V signal output port:



## Direction for use:

1. Connect the load wire first, follow the power wire; **Please ensure short circuit can not occur between connecting wire before you turn on the power;**
2. The using protocol standard of this product is IEC62386; By accepting the command from DALI host machine, it can realize the output signal voltage range and the dimming curve choice. The following is the order choosing way:
  - A. Choose 0V-10V output, dimming curved choose linear dimming.  
Controller output voltage range is 0-10V. Voltage is successive from low to high or from high to low curved linear.
  - B. Choose 1V-10V output, dimming curved choose linear dimming.  
Controller output voltage range is 1-10V. Voltage is successive from low to high or from high to low curved linear.



- C. Choose 0V-10V output, dimming curved choose logarithmic dimming.  
Controller output voltage range is 0-10V, voltage successive from low to high or from high to low curved logarithmic.
- D. Choose 1V-10V output, dimming curved choose logarithmic dimming.  
Controller output voltage range is 1-10V, voltage successive from low to high or from high to low curved logarithmic.

3. Output signal voltage range and dimming curved setting inquire order as follow:

Command number	Command code	Command name
224	YAAA AAA1 1110 0000	Set output range 1-10V
225	YAAA AAA1 1110 0001	Set output range 0-10V
229	YAAA AAA1 1110 0101	Choose dimming curved
238	YAAA AAA1 1110 1110	Inquire dimming curved
241	YAAA AAA1 1111 0010	Inquire output state

### Typical Application

