**EULP150AD-1H24V** (Product No.:100200060101)

### Summary

EULP150AD-1H24V is a constant voltage mode output LED driver. This driver complies with DALI standard protocol IEC 62386,and provides multiple dimming function (DALI,0/1-10V active signal ,PWM, adjustable resistance, and Touch DIM) to achieve a smooth dimming effect.

### Product Features

- Single channel constant voltage output,6.25A Max
- Meet DALI protocol IEC 62386
- High input voltage of 220VAC ~ 240VAC
- Dimming effect smooth, no flicker
- Over load protection; short circuit protection
- IP20, suitable for indoor LED lighting application

### Application

For LED constant voltage strip light only

LED Strip Light

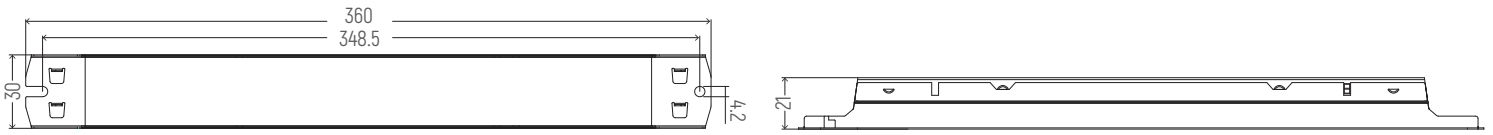
LED Tube

Dimmable 0.1%-100%  CE  SELV

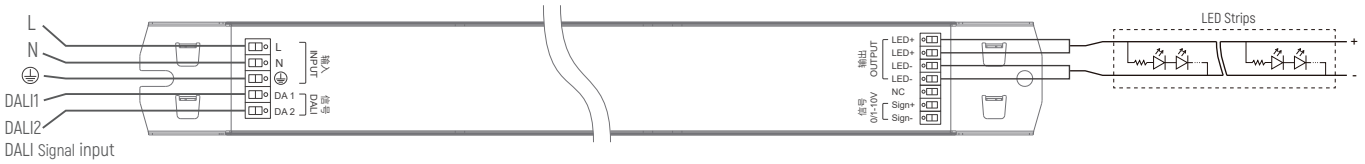
### Technical Paramaters

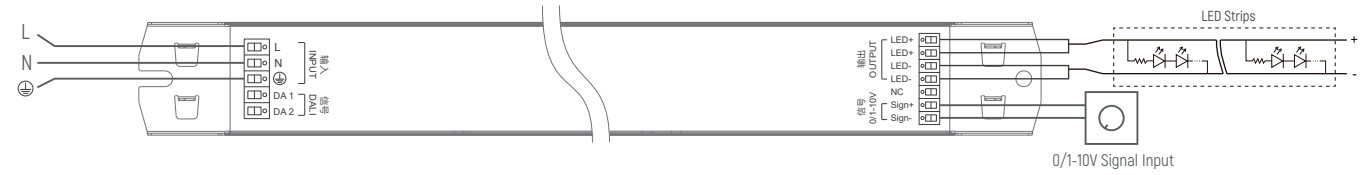
| Model | EULP150AD-1H24V | |
|---|---|---|
| Input | Efficiency | 92%@230VAC,Full load |
| | Voltage | 220VAC-240VAC |
| | Frequency Range(Hz) | 50/60Hz |
| | Power Factor | 0.98@230VAC,Full load |
| | THD(full load) | <5%@230VAC, Full load |
| | Current | 0.75Amax@230VAC |
| | Inrush Current(max) | Cold start,50A@230VAC |
| Output | Current(A)/Voltage (VDC) Power(W) | 6.25A/24VDC/150W |
| | Channel | 1 |
| | Voltage Tolerance | ±5% |
| | No load output voltage | 24VDC±5% |
| | Standby power | <0.5W |
| | Turn on delay Time | <0.5s, at230Vac (When the light begins to shine) |
| Function | Dimming Type | DALI/Touch DIM/1-10V/Adjustable resistance /PWM |
| | Dimming Range | 0.1%-100% Dimming to off |
| Protection | Over load | Hiccup, recovers after fault condition is removed |
| | Short Circuit | Close output ,after fault removed， the output current recovers automatically |
| Safety& EMC | Surge | L-N:2KV L&N-GND:4KV |
| | Withstand Voltage | I/P-O/P: 3000VAC/1min/5mA |
| | DALI Standard | IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-207: 2009 |
| | Safety Standards | EN61347, GB19510 |
| | EMC Emission | EN55015, EN61000-3-2 |
| | EMC Immunity | EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547 |
| Others | Working Temp. | -20°C~50°C |
| | Storage Temp., Humidity | -40°C~85°C, 20-90%RH |
| | tc | 80°C |
| | Material | Metal |
| | IP Rating | IP20 |
| | Lifetime | 50,000h@tc:80°C |
| | Warranty Condition | 5 years |
| | Switch Cycle | 25,000 times |
| | Pack Information | Net weight: 350g±5%/PCS; 50PCS/Carton; 18.2kg±5%/Carton; Carton Size:370*326*127mm(L*W*H) |
| | Dimension | 360*30*21mm （L*W*H） |

### Dimension(mm)



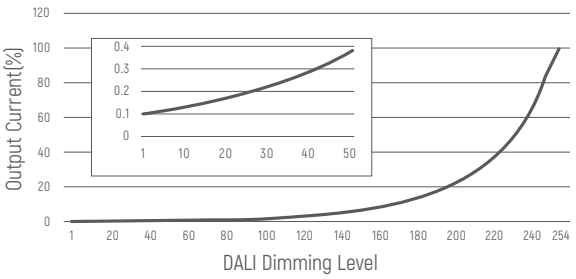
## Wiring



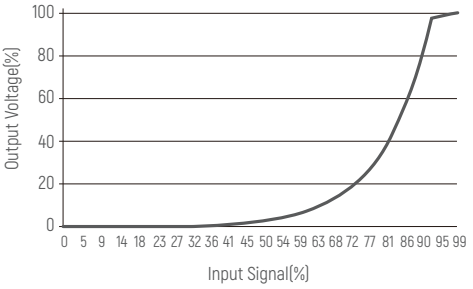




## Dimming Curve

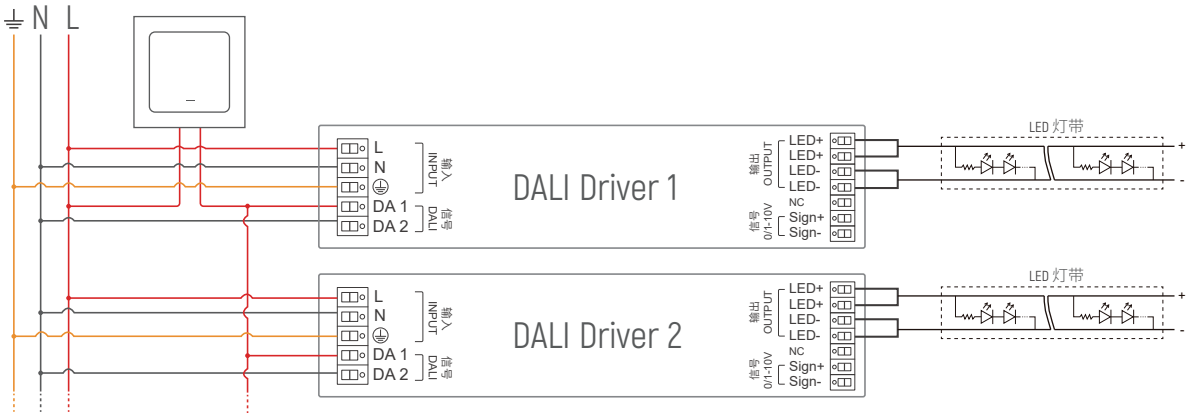
DALI Curve




0/1-10V Curve




## Push DIM(Touch DIM) Diagram




Remark: Only use open push button without indicator light. Maximum cable length between each Unit: 20 meters.

### Push DIM Function

1. Press the Push DIM (Touch DIM) switch for 8s or more,the driver can be controlled via Push DIM switch.
2. Short press the Push DIM (Touch DIM) switch (<0.5s) to control the lamp on or off.
3. Long press the Push DIM (Touch DIM) switch (>0.5s) to dim the brightness of light. The dimming direction will change every time after pressing switch.
4. Double-click the Push DIM (Touch DIM) switch (<0.3s), then all lamps connected on the device will be set maximum brightness.
5. The brightness adjustment range is 1%-100%, and the light can be turned off through short pressing when doing the adjustment with long pressing Push DIM (Touch DIM) switch.
6. With the Power off memory function, the power-down state will be recovered when power on again.

### Cautions

1.This product should be installed by qualified personnel.

2.This product is non waterproof, need to avoid sun and rain.In case of outdoor use, please ensure it is mounted in a water proof enclosure.

3.Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.

4.Please make sure LED power supply output voltage, current is used to meet the product requirements.

5.Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.

6.Due to safety concerns, PVC or rubber cord of 0.75- 1.5mm² is recommended for input and output terminal(s)(excluding signal terminals). Flat power cord is not suitable.Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.

7.In case of malfunction, do not repair it yourself.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail.Please contact us if you have any questions .