

EUP12D-1H12V-0

DALI Constant Voltage Dimming Driver



Summary

EUP12D-1H12V-0 is a constant voltage mode output LED driver and complies with DALI standard protocol IEC 62386. This driver can be connected to DALI main controller or Touch DIM to achieve a smooth dimming effect.

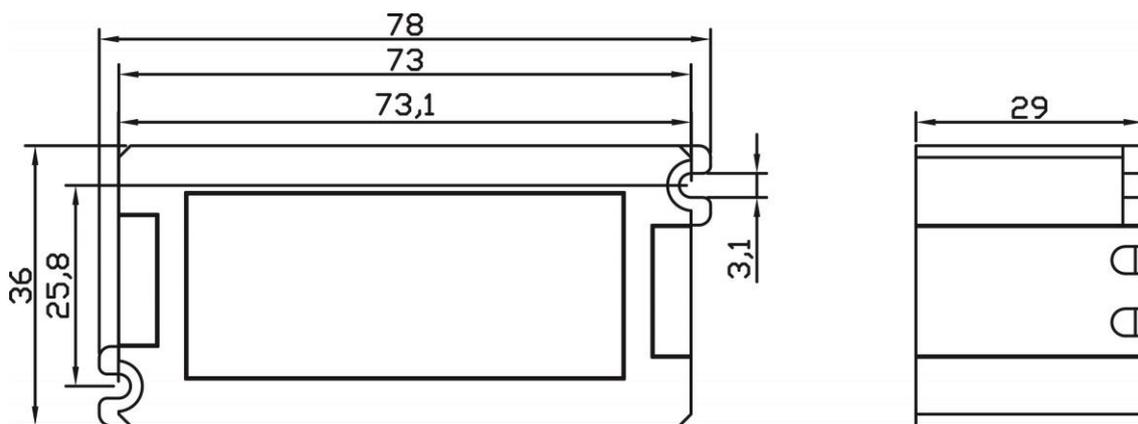
Product Features

- Single channel constant voltage output, 1A Max
- Meet DALI protocol IEC 62386
- Support Touch DIM function
- Dimming effect smooth, no flicker
- Over load protection; Over voltage protection
- IP20, suitable for MR16 and other indoor LED lighting

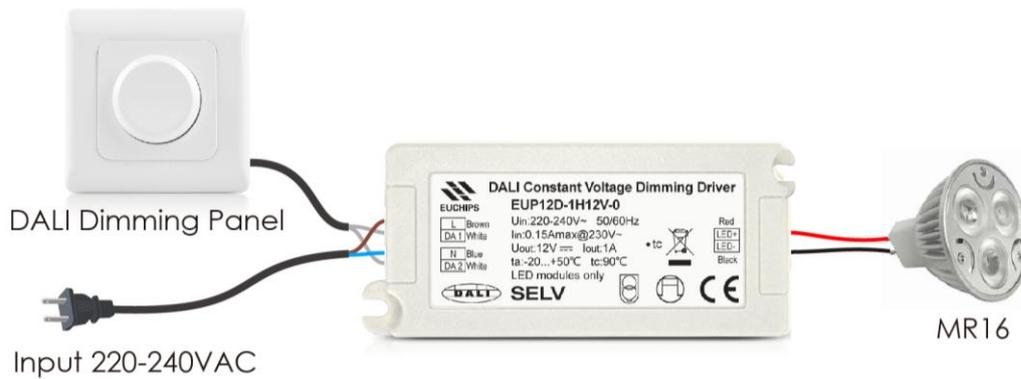
Technical Parameters

| Model | | EUP12D-1H12V-0 |
|------------|-------------------|---|
| Output | Channels | 1 |
| | Voltage | 12VDC |
| | Current | 1A |
| | Power | 12W |
| | Voltage Accuracy | ±3% |
| | R & N (Max) | 120mVp-p |
| Input | Voltage | 220VAC – 240VAC |
| | Frequency | 50/60Hz |
| | Efficiency | >80%@230VAC,full load |
| | PF | >0.5@230VAC,full load |
| | Current | 0.15A@230VAC |
| | Inrush current | Cold start,12A@230VAC |
| Protection | Short circuit | Close output, recovers automatically after fault removed |
| | Over load | Close output, recovers automatically after fault removed |
| | Over temperature | Shut down the output, recovers automatically when temp. back to normal. |
| Function | Dimming mode | DALI, Touch DIM |
| Others | Dimension | 78*36*29 mm (L*W*H) |
| | G.W | 85g |
| | IP rating | IP20 |
| | Working temp. | -20℃ ~ 50℃ |
| | Relative humidity | 20~90% RH |

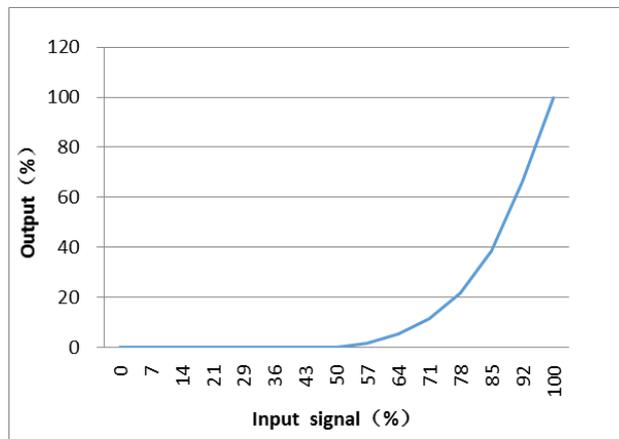
Dimension (mm)



Wiring Diagram

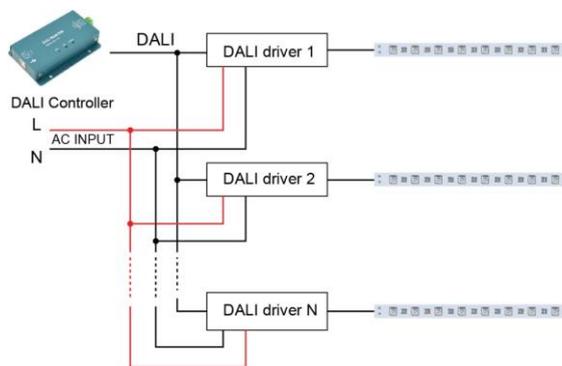


Dimming Curve

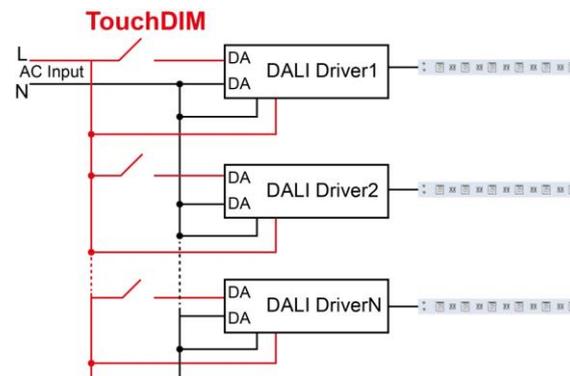


Note: For capacitive load, the larger inrush current will reduce the service life of the electrolytic capacitor. Before using this product, please contact the relevant technical personnel to match and verify.

DALI Diagram



Touch DIM diagram



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

1. Short press the Touch DIM switch (<0.5s) to control the lamp on or off.
2. Long press the Touch DIM switch (>0.5s) to dim the brightness of light. The dimming direction will change every time after pressing switch.
3. Double-click the Touch DIM switch (<0.3s), then all lamps connected on the device will be set maximum

brightness.

4. The brightness adjustment range is 1%-100%, and the light can be turned off through short pressing when doing the adjustment with long pressing Touch DIM switch.
5. With the Power off memory function, the power-down state will be recovered when power on again.

Caution

1. The product shall be installed and serviced by a qualified person.
2. DALI and Touch DIM functions cannot be used simultaneously, which can be controlled respectively by using DALI controllers or the equipments with Touch DIM function.
3. This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
4. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
5. Please check if the output voltage and current of any LED power supplies used comply with the requirement of the product.
6. 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.
7. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
8. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.