

DALI6010

PWM LED Dimmer

Product Features

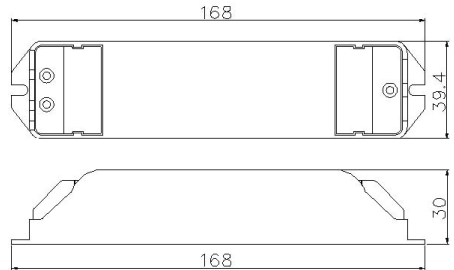
- Single channel constant voltage output ,10A
- Meet DALI protocol IEC 62386
- Dimming range from 0.1-100%
- PWM digital dimming, no alter LED color rendering index
- Suitable for indoor LED lighting application
- Protections: Short circuit, over load, over temperature



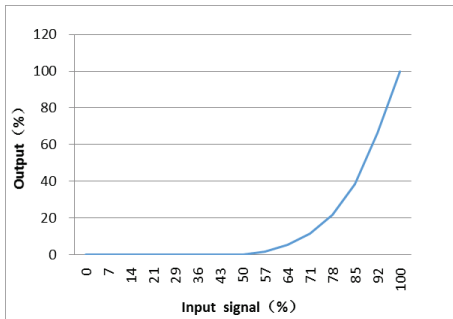
Technical Parameters

| Model | | DALI6010 |
|------------|---------------------|---|
| Output | Voltage | 12-24VDC |
| | Current | 10A |
| | Power | 120W(@12V)-240W(@24V) |
| | Channels | 1 |
| Input | Voltage | 12-24VDC |
| Function | Dimming mode | DALI, Touch DIM |
| | Consumption current | 2mA |
| Protection | Short circuit | Shut down the output, recovers automatically after fault removed |
| | Over load | Shut down the output, recovers automatically after fault removed |
| | Over temperature | Shut down the output, recovers automatically when temp. back to normal. |
| Others | Dimension | 168*39*30 mm (L*W*H) |
| | G.W | 124g |
| | Working temp. | -20~50°C |
| | Relative humidity | 20~90% RH |

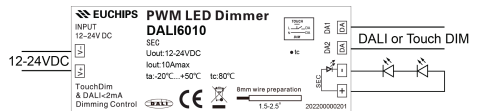
Dimension (mm)



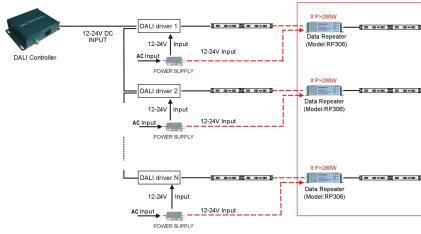
Dimming Curve



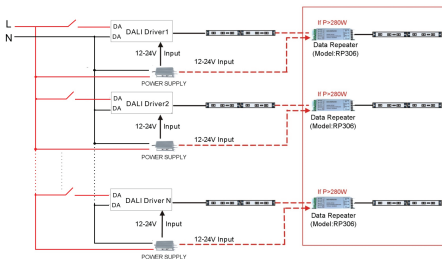
Wiring Diagram



DALI Diagram



Touch DIM Diagram



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

Touch DIM Function

1. Press the Touch DIM switch for 8s or more, the driver can be controlled via Touch DIM switch.
2. Short press the Touch DIM switch (<0.5s) to control the lamp on or off.
3. Long press the 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 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 Touch DIM switch.
6. With the Power off memory function, the power-down state will be recovered when power on again.

Cautions

1. DALI and Touch-DIM functions can not be used at the same time.
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 also ensure that the cable is secured tightly in the connector.
6. Due to safety concerns, the cord of 1.5-2.5mm² is recommended for input and output terminal(s) (excluding signal terminals). 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.