

# DALI6010

## PWM LED Dimmer

### Product Features

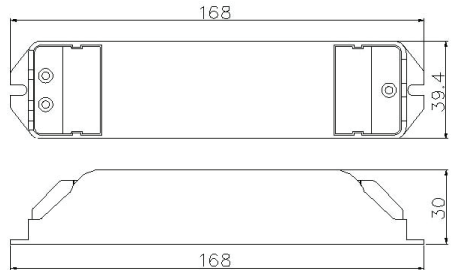
- Single channel constant voltage output ,10A
- Meet DALI protocol IEC 62386
- Dimming range from 0.1-100%
- PWM digital dimming, no alter LED color rendering index
- Suitable for indoor LED lighting application
- Protections: Short circuit, over load, over temperature



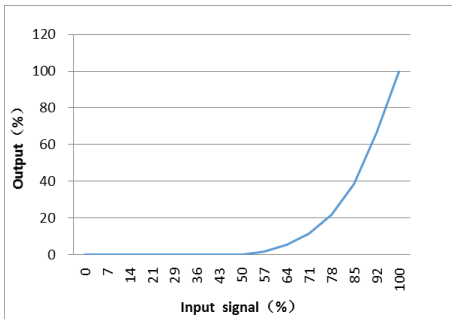
### Technical Parameters

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

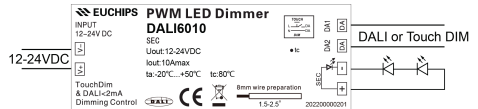
### Dimension (mm)



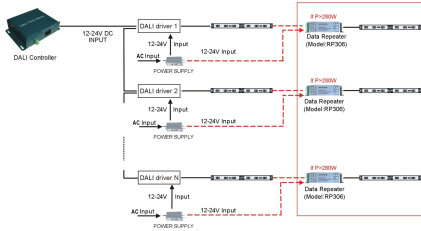
### Dimming Curve



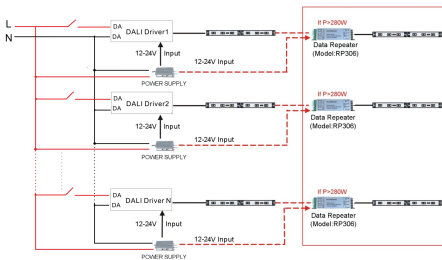
### Wiring Diagram



## 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 1.5-2.5mm<sup>2</sup> 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.

# DALI6010

## DALI 恒压调光器

### 产品特点

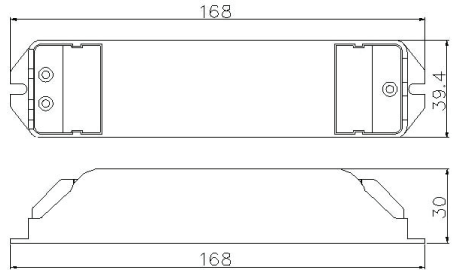
- 单通道恒压输出，最大输出10A
- 符合DALI 标准协议IEC62386，支持DALI, Touch DIM调光
- 调光范围0.1-100%
- PWM数字调光，不改变显色指数
- 短路保护，过温保护，过载保护
- 适用于室内LED灯具



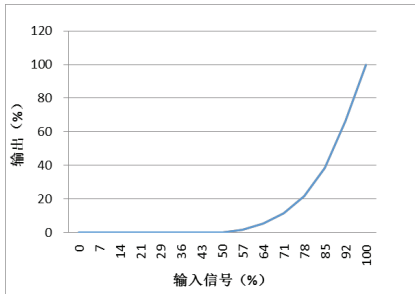
### 技术参数

型号		DALI6010
输出	电压	12-24VDC
	电流	10A
	功率	120W (Ø12V) - 240W (Ø24V)
	通道	1
输入	电压	12-24VDC
	调光方式	DALI/Touch DIM
功能	信号端消耗电流	2mA
	过载保护	关闭输出，移除故障后自恢复
保护	短路保护	关闭输出，移除故障后自恢复
	过温保护	关闭输出，温度恢复正常后，自动开启输出
	尺寸	168*39*30mm (长*宽*高)
其它	毛重量	124g
	工作温度	-20°C ~ 50°C
	相对湿度	20~90% RH

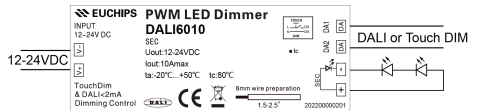
### 尺寸图



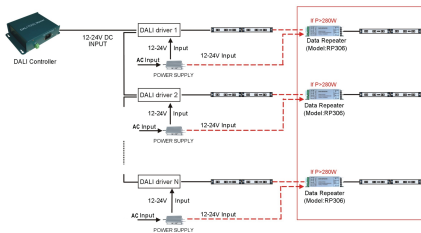
### 调光曲线



### 接线图



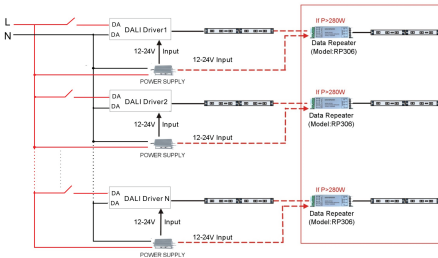
## DALI 应用图



## 安装注意事项

- 1、 DALI和TouchDIM一定不能同时使用，可分别使用DALI控制器或具有TouchDIM功能的设备来控制。
- 2、 本产品不能防水，需避免日晒雨淋，如安装在户外，请用防水箱。
- 3、 良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境。
- 4、 请检查使用的LED电源的输出电压电流，是否符合灯具要求。
- 5、 出于安全考虑，推荐输入和输出（信号端除外）用2.5~4mm<sup>2</sup>线缆，并确保接线牢固，以免电线过热或接触不良触发事故。
- 6、 通电调试前，应确保所有接线正确，以避免因接线错误而导致灯具损坏。
- 7、 如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

## Touch DIM应用图



备注：只能使用开路的按压式开关（不带指示灯）。采用同步连线时每个设备和设备之间的线长不超过20米。

## Touch DIM功能

1. 长按Touch DIM 8s以上，切换为Touch DIM模式。
2. 短按Touch DIM 开关 (<0.5秒) 进行灯的亮暗控制。
3. 长按Touch DIM 开关 (>0.5秒) 进行灯具的亮度调节，光是调亮还是调暗，随着每次按压的开关变化而变换。
4. 双击Touch DIM 开关 (<0.3秒)，连接的所有灯具将达到最亮状态。
5. 亮度调节范围为1%-100%。
6. 具有断电记忆功能，重新上电将恢复到上一次断电的状态