

RWP30D-1H700C (Product No.:102101290101)

Summary

RWP30D-1H700C is a 30W AC/DC constant current mode output LED driver, complies with DALI standard protocol IEC 62386. RWP30D-1H700C can be connected to DALI main controller achieve a smooth dimming effect.

Product Features

- Meet DALI Protocol IEC 62386-207 Ed2.0
- Support Touch DIM(Push DIM) function
- High efficiency up to 87 %
- Built-in active PFC function
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, over Voltage
- Suitable for indoor LED lighting application, such as down light, panel light, and so on


SELV

Application



Downlight



Panel Light



Spotlight



Ceiling Light



Decorative Light



Floor Light

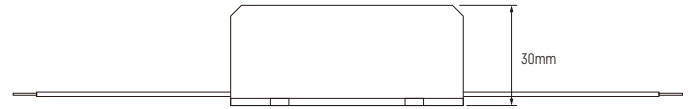
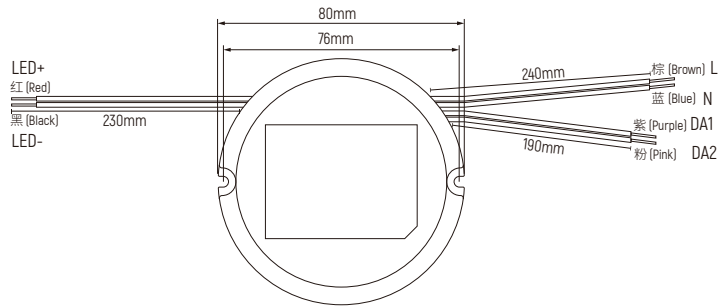


Flood Light

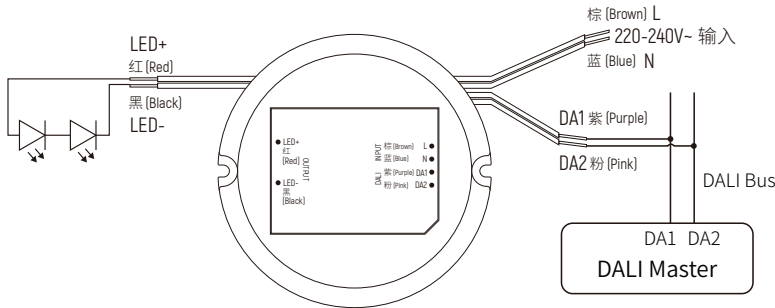
Technical Paramaters

Model	RWP30D-1H700C	
Input	Efficiency	≥87%@230VAC,Full load
	Voltage	220VAC-240VAC
	Frequency Range(Hz)	50/60Hz
	Power Factor	≥0.95@230VAC,Full load
	THD(full load)	<10%@230VAC, Full load
	AC Current(max)	0.18Amax@230VAC
	Standby power	<0.5W
	Inrush Current(max)	Cold start,20A@230VAC 100us
Output	Current(mA)/Voltage (VDC) Power(W)	700mA/9-42VDC/30W
	Ripple Current	<3%
	Channel	1
	Current Tolerance	±5%
	No load output voltage	55V Max
	Turn on delay Time	<0.75s, at230Vac
Function	Dimming Type	DALI
	Dimming Range	0.3%-100%
Protection	Short Circuit	Shut down the output, recovers automatically after fault removed
	Over Load	The output current decreases and, recovers automatically when the load is reduced.
	Over Voltage	The output current decreases and, recovers automatically when the load is reduced.
Safety & EMC	Surge	L-N:1KV
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA
	DALI Standard	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC62386-207 Ed2.0
	Safety Standards	EN61347, GB19510
	EMC Eission	EN50515, EN61000-3-2
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547
Others	Working Temp.	-20°C~70°C
	Storage Temp., Humidity	-40°C~85°C, 20-90%RH
	tc	80°C
	Material	PC
	IP Rating	IP20
	Lifetime	30,000h@tc:80°C
	Warranty Condition	3 Years
	Switch Cycle	>150,00 tims
	Packing(weight)	Net weight: --/PCS; 60PCS/Carton; --kg±5%/Carton; Carton Size: 356*268*194mm[L*W*H]
	Dimension	Φ 80*H30mm (Φ L*W*H)

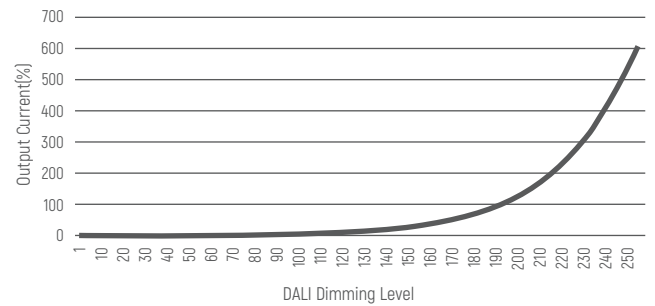
Dimension(mm)



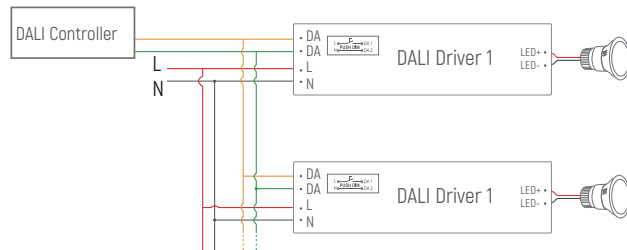
DALI Wiring



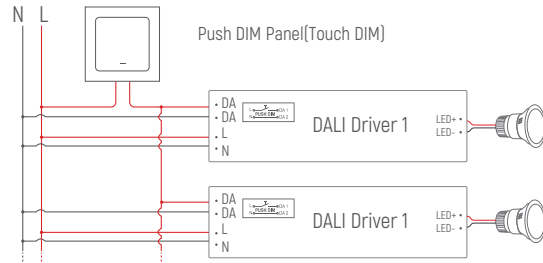
Dimming Curve



DALI Diagram



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.

RWP30D-1H700C (产品代码:102101290101)

概述

RWP30D-1H700C是一款电流输出驱动, 符合DALI标准协议IEC62386. 用DALI主控调光, 调光曲线平滑、无闪烁.



产品特点

- 遵循DALI协议标准 IEC62386-207 Ed2.0
- 效率高达 87%
- 内建主动式PFC功能
- 调光效果平滑, 无闪烁
- 保护: 短路保护, 过载保护, 过压保护
- 适用于LED室内灯具,比如筒灯, 面板灯等



应用



技术参数

型号	RWP30D-1H700C	
输入	效率	≥87%@230VAC, 满载
	电压	220VAC-240VAC
	频率	50/60Hz
	功率因素	≥0.95@230VAC, 满载
	THD	<10%@230VAC, 满载
	电流	0.18Amax@230VAC
	待机功耗	<0.5W
	浪涌电流	冷启动, 20A@230VAC 100us
输出	电流/电压/功率	700mA/9-42VDC/30W
	波纹电流	<3%
	通道	1
	电流精度	±5%
	空载输出电压	55V Max
	启动延时	<0.75s, at230Vac
功能	调光方式	DALI
	调光范围	0.3%-100%
保护	短路	关断输出, 移除故障后自恢复
	过载	当超过输出电压时, 输出电流减小, 当负载降低时自动恢复
	过压	当超过输出电压时, 输出电流减小, 当负载降低时自动恢复
安全 & 电磁兼容	浪涌	L-N:1KV
	耐压标准	I/P-O/P: 3000VAC/1min/5mA
	DALI标准	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC62386-207 Ed2.0
	安全标准	EN61347, GB19510
	电磁兼容	EN50515, EN61000-3-2
	EMC抗扰度	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547
其它	工作温度	-20°C~70°C
	储存温度、湿度	-40°C~85°C, 20-90%RH
	tc	80°C
	材质	PC
	防水等级	IP20
	寿命	30,000小时@tc:80°C
	质保	3年
	开关周期	>150,00次
	包装尺寸(重量)	净重: --±5%/PCS; 60PCS/Carton; --kg±5%/箱; 外箱尺寸: 356*268*194cm[长*宽*高]
	尺寸	φ80*H30mm (长*宽*高)

Technical drawing of the LED module showing top and side views with dimensions and wire labels.

Top View Dimensions:

- Overall diameter: 80mm
- Inner circle diameter: 76mm
- Distance from LED+ to LED-: 230mm
- Distance from LED+ to the first wire: 240mm
- Distance from LED+ to the last wire: 190mm

Wire Labels:

- LED+ 红 (Red)
- 黑 (Black)
- LED-
- 棕 (Brown) L
- 蓝 (Blue) N
- 紫 (Purple) DA1
- 粉 (Pink) DA2

Side View Dimensions:

- Module height: 30mm

[illegible]

该图展示了DALI调光等级与输出电流之间的关系。横轴为DALI调光等级（1至255），纵轴为输出电流百分比（0至700%）。曲线显示，输出电流在调光等级1至180左右保持接近0%，随后开始显著上升，在等级255时达到约600%。

DALI 调光等级	输出电流 (%)
1	0
10	0
20	0
30	0
40	0
50	0
60	0
70	0
80	0
90	0
100	0
110	0
120	0
130	0
140	0
150	0
160	0
170	0
180	0
190	10
200	20
210	40
220	70
230	120
240	200
250	350
255	600

www.euchips.cn