

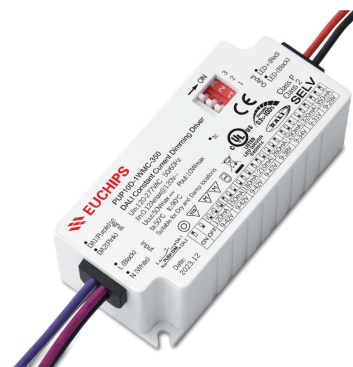
PUP10D-1WMC-350 (102100691101)

Summary

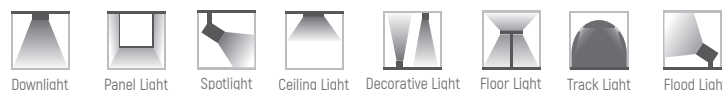
PUP10D-1WMC-350 is a constant current output mode LED driver. Support DALI dimming function, Touch DIM (Push DIM) function. The output and dimming circuit are also completely in accordance with the new regulations with isolation to ensure the users and luminaire system during installation.

Product Features

- Single channel output, output current level selectable by DIP S.W.
- Support DALI dimming function, Touch DIM (Push DIM) function
- Input voltage of 120VAC ~ 277VAC
- Dimming range: 0.1-100%, Dimming effect smooth, no flicker
- Protections: Short circuit, Over load, Over voltage
- Suitable for indoor LED lighting application



Application



Technical Paramaters

Model	PUP10D-1WMC-350				
Input	Voltage	120VAC-277VAC			
	Frequency	50/60Hz			
	Efficiency	80%@120VAC, Full load			
	PF	0.98@120VAC, Full load			
	THD(full load)	<10%@120VAC, Full load			
	Current	0.12Amax@120VAC			
	Inrush Current	Cold start,30A@120VAC			
	Standby Power	<1W			
Output	Current/Voltage/Power	*120mA/9-42V/5.04W 150mA/9-42V/6.3W	180mA/9-42V/7.56W 210mA/9-42V/8.82W	260mA/9-38V/9.88W 290mA/9-34V/9.86W	320mA/9-31V/9.92W 350mA/9-28V/9.8W
	Channel	1			
	No load output voltage	58V Max			
	Frequency	1KHz Min PWM			
	Current Accuracy	±5% *(120mA ±7%)			
	LF current ripple(<120Hz)	<3%			
Protection	Over Voltage	Hiccup, recovers after fault condition is removed			
	Over load	Hiccup, recovers after fault condition is removed			
	Short circuit	Close output, recovers automatically after fault removed			
Safety & EMC	Surge	L-N:500V			
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA			
	Safety standards	UL8750/UL1310/CSA25013,CSA class P			
	EMI Emission	EN55015,EN61000-3-2 Class C,IEC61000-3-3			
	EMC Immunity	FCC class B(120V)/class A(277V)			
Function	Dimming type	DALI/Touch DIM (Push DIM)			
	Dimming range	0.1%-100% Dimming to off			
Others	Dimension	75*35*26.5mm(L*W*H)			
	Pack Information	N.W: 96g±5%/PCS; 100PCS/Carton; 10.1kg±5%/Carton; Carton Size: 398x210x208mm(L*W*H)			
	IP rating	IP20			
	Working temp.	-20°C~50°C			
	tc	90°C			
	Relative humidity	20~90% RH			
	Lifetime	50,000h@tc:85°C			
	Material	PC			
	Switch cycle	>25,000 times			

Remark: Use only within an enclosure

Dimension(mm)

75
67.8
26.5
35
27.8
 $\phi 3.2$
3.2

DALI Signal Input

L

N

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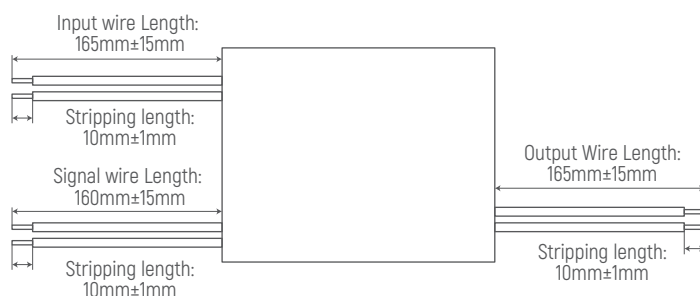
PUP10D-1WMC-350

Signal Input

- (紫) DA1(Purple)
- (粉) DA2(Pink)
- (黒) L (Black)
- (白) N (White)

Output

- (紅) LED+(Red)
- (黒) LED-(Black)



The diagram illustrates the wiring for three DALI drivers connected to a single DALI Controller. The controller has two main output lines, L (blue) and N (green). Each driver has four input terminals: DA (blue), DA+ (orange), L (blue), and N (green). The DA and DA+ terminals are connected to a common DALI bus (orange and blue lines). The L and N terminals are connected to the main power lines. Each driver is connected to an LED light fixture.

The graph illustrates the relationship between the DALI Dimming Level and the Output Current (%). The main graph shows a curve that starts at 0% current for DALI level 1 and rises to 100% current at DALI level 254. An inset graph provides a detailed view of the curve for DALI levels 1 to 50, showing that the output current increases from approximately 0.1% to 0.4%.

DALI Dimming Level	Output Current (%)
1	0.1
10	0.15
20	0.2
30	0.25
40	0.3
50	0.4
100	0.5
150	0.6
200	0.7
250	0.8
254	1.0

Push DIM Function

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

PUP10D-1WMC-350 is a multi-current dimming driver, output current level selectable by DIP S.W., as the following:

		1 	2 	3 					
ON	OFF	120mA Q-42V	150mA Q-42V	180mA Q-42V	210mA Q-42V	260mA Q-38V	290mA Q-34V	320mA Q-31V	350mA Q-28V

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 0.75-2.5mm² 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.

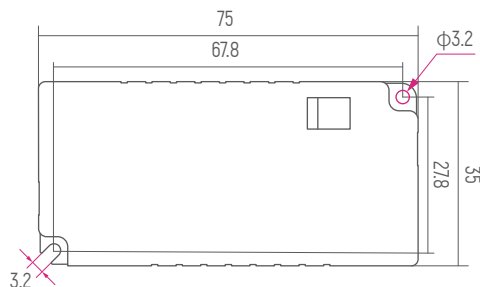
概述

产品特点

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- EUCHIPS**
PIMCO-PMIC-0960
LED Constant Current Dimming Driver
Input Voltage: AC 85~265V
Output Voltage: 12V/24V/36V/48V
Rated Power: 9W/18W/27W/36W
Dimmer Type: Triac/0-10V
Temp. Range: -25°C ~ +50°C
IP Rating: IP20
Dimensions: 40mm x 25mm x 12mm
Weight: 1.5g
- Class 2 SELV
- UL LISTED E400914
- DALI 2
- Dimmable 0.1%-100%
- CE
- RoHS
- REACH
- EN 60598-1
- EN 60598-2-1
- EN 60598-2-2
- EN 60598-2-3
- EN 60598-2-4
- EN 60598-2-5
- EN 60598-2-6
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产品型号	PUP10D-1WMC-350				
输入	电压	120VAC-277VAC			
	频率	50/60Hz			
	效率[典型]	80%@120VAC,满载			
	功率因数[典型]	0.98@120VAC,满载			
	THD[满载]	<10%@120VAC, 满载			
	电流	0.12Amax@120VAC			
	浪涌电流	Cold start,30A@120VAC			
	待机功耗	<1W			
输出	电流/电压/功率	*120mA/9-42V/5.04W 150mA/9-42V/6.3W	180mA/9-42V/7.56W 210mA/9-42V/8.82W	260mA/9-38V/9.88W 290mA/9-34V/9.86W	320mA/9-31V/9.92W 350mA/9-28V/9.8W
	通道	1			
	空载输出电压	58V Max			
	输出频率	1KHz Min PWM			
	电流精度	±5% *(120mA ±7%)			
	低频纹波电流(<120Hz)	<3%			
保护	过压保护	打嗝，移除故障后自恢复			
	过载保护	打嗝，移除故障后自恢复			
	短路保护	关断输出，移除故障后自恢复			
安全与电磁兼容	浪涌	L-N:500V			
	耐受电压	I/P-O/P: 3000VAC/1min/5mA			
	安全标准	UL8750/UL1310/CSA25013,CSA class P			
	电磁兼容	EN55015,EN61000-3-2 Class C,IEC61000-3-3			
	EMC电磁抗扰度	FCC class B(120V)/class A(277V)			
功能	调光模式	DALI/Touch DIM (Push DIM)			
	调光范围	0.1%-100% 可调灭			
其它	产品尺寸	75*35*26.5毫米(长*宽*高)			
	包装信息	净重: 96g±5%/个; 100个/箱; 10.1kg±5%/箱; 外箱尺寸: 398x210x208mm(L*W*H)			
	防水等级	IP20			
	工作环境温度	-20°C-50°C			
	tc	90°C			
	相对湿度	20-90% RH			
	寿命	50,000h@tc:85°C			
	材料	PC			
	开关机次数	>25,000 次			

备注: 仅在外壳内使用



DALI 信号输入

EUCHIPS

■ (紫)
DA1(Purple)
■ (粉)
DA2(Pink)
■ (黑)
L (Black)
■ (白)
N (White)

Signal
Input

PUP10D-1WMC-350

3
2
1

Output
■ (红)
LED+(Red)
■ (黑)
LED-(Black)



The diagram illustrates the wiring for three DALI dimming drivers connected to a central DALI master control unit. The master unit has four output lines: L (red), N (blue), and two DALI lines (green and orange). Each driver has four input terminals: DA (green), DA (orange), L (red), and N (blue). The L and N lines are common to all drivers. The DALI lines are connected to the DA terminals of each driver. Each driver is connected to a LED light fixture.

Push DIM 面板(Touch DIM)

- DA
- DA
- L
- N

DALI驱动器1

LED

LED

Figure 1: DALI dimming curve. The graph shows the relationship between DALI dimming level (DALI调光等级) on the x-axis and output current percentage (输出电流%) on the y-axis. The x-axis ranges from 1 to 254, and the y-axis ranges from 0 to 120. An inset graph shows a zoomed-in view of the curve for DALI dimming levels 1 to 50, with output current percentages from 0 to 0.4. The curve starts at approximately 10% output current for DALI level 1 and rises to 100% output current at DALI level 254.

		1 	2 	3 																	
ON	OFF	120mA		150mA		180mA		210mA		260mA		290mA		320mA		350mA					
		9-42V		9-42V		9-42V		9-42V		9-38V		9-34V		9-31V		9-28V					

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