EUCHIPS

PUP10A-1WMC-700 (103100600101)

Summary

PUP10A-1WMC-700 is a constant current output mode LED driver. 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 3-in-1 dimming mode:0/1-10V active signal, adjustable resistance, PWM(A model) -Input voltage of 120VAC ~ 277VAC

·Dimming range: 0.1-100%, Dimming effect smooth, no flicker

 $\cdot \mathsf{Protections}:$ Short circuit, Over load, Over voltage

·Suitable for indoor LED lighting application

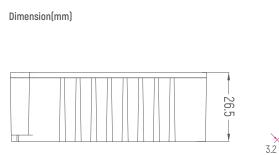


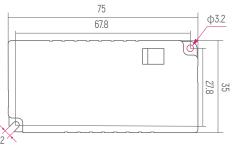
Technical Paramaters

Model	PUP10A-1WMC-700									
	Efficiency 78%@120VAC, Full load									
	Frequency	50/60Hz								
Input	Voltage	120VAC-277VAC								
	PF	0.98@120VAC, Full load								
	THD(full load)	<10%@120VAC, Full load								
	Current	0.13Amax@120VAC								
	Inrush Current	Cold start,30A@120VAC								
	Standby Power	<1₩								
Output	Current/Voltage/Power	350mA/2-21V/7.35W 450mA/2-21V/9.45W 550mA/2-18V/9.9W 650mA/2-15V/9.75W 400mA/2-21V/8.4W 500mA/2-20V/10W 600mA/2-16V/9.6W 700mA/2-14V/9.8W								
	Channel	1								
	No load output voltage	58V Max								
	Frequency	1KHz Min PWM								
	Current Accuracy	±5%								
	LF current ripple(<120Hz)	<3%								
	Over Voltage	Hiccup, recovers after fault condition is removed								
Protection	Over load	Hiccup, recovers after fault condition is removed								
	Short circuit	Close output, recovers automatically after fault removed								
	Surge	L-N:1KV								
Safety	Withstand Voltage	I/P-0/P: 3000VAC/1min/5mA; I/P-Gnd: 1500VAC/1min/5mA; 0/P-Gnd: 500VAC/1min/5m								
& – EMC	Safety standards	UL8750/UL1310/CSA25013,CSA class P								
	EMI Eission	EN55015,EN61000-3-2 Class C,IEC61000-3-3								
	EMC Immunity	FCC class B(120V)/class A(277V)								
Function -	Dimming type	0/1-10V(Type A)								
	Dimming range	0.1%-100% Dimming to off								
-	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								
Others	Relative humidity	20~90% RH								
_	Lifetime	50,000h@tc:85°C								
	Material	PC								
	Switch cycle	>25,000 times								

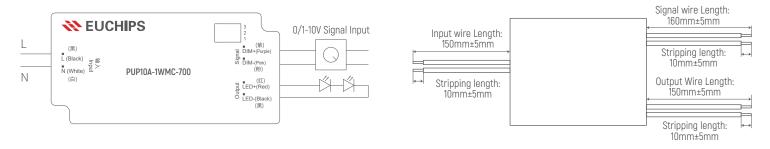
Remark: Use only within an enclosure



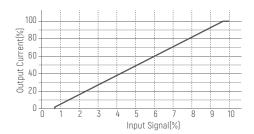




Wring Diagram



Dimming Curve



Current Selection Table

PUP10A-1WMC-700 is a multi-current dimming driver, output current level selectable by DIP S.W., as the following:

		1 2 3							
ON	OFF	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA
		2-21V	2-21V	2-21V	2-20V	2-18V	2-16V	2-15V	2-14V

Remark: Function default setting is: 350mA (@switch are all OFF state)

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.