

Product introduction

JISIM VS is a constant voltage mode output 12/24V dimming driver, this series of driver design From 60-250W to meet the needs of constant voltage lamps with different power; this series of drivers support phase-cut dimming and 1-10V dimming, suitable for constant voltage light strips and light bars, with various intelligent control systems, widely used in homes, businesses High-end places such as industry, hotel, office, etc.



Product Features

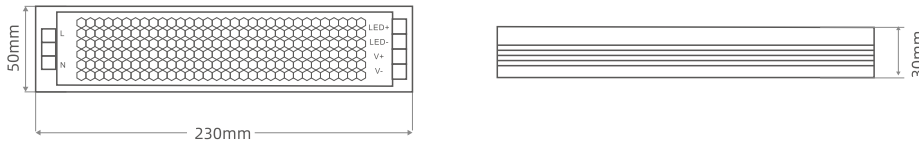
- . Support leading edge and trailing edge TRIAC dimming and 0 / 1-10V dimming;
- . Constant voltage output 12V or 24V, high output voltage accuracy;
- . The dimming curve is smooth without flicker and flicker;
- . 0-100% dimming depth;
- . The power supply has short circuit, over current, over voltage, and over temperature protection functions;
- . Compatible with intelligent dimming system modules of major brands;
- . No noise, no flicker;
- . Good heat dissipation performance;
- . Suitable for indoor lighting fixtures such as low-voltage LED strips, rigid light bars;



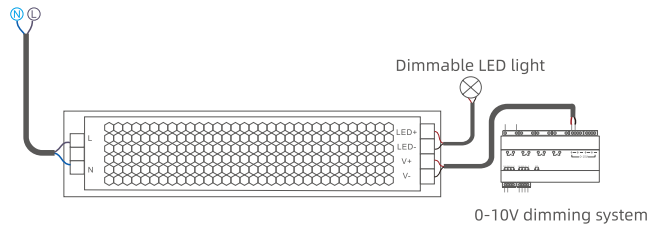
Technical Parameters

Model		SM-FCVSF0100012	SM-FCVSF0100024
Input	Voltage	220-240Vac	
	Frequency	47/63Hz	
	Current	1.0A Max@230V full load	
	Power Factor	< 0.6@230V full load	
	Efficiency	≥80%@230V full load	
	Leakage current	< 1mA@230Vac	
	Standby power	≤0.8W	
	Inrush current	Cold test <60A@230V 50Hz	
Output	Current	8.3A	4.16A
	Voltage	12V	24V
	Power	100W	
	Current accuracy	±5%	
	Start time	< 500ms@230Vac	
	Ripple & Noise	150mV	
	Current accuracy	±5%	
	Linear adjustment	±0.5%	
	Load Regulation	±0.5%	
Function & Protection	Dimming interface	Phase-cut dimming / 0-10V dimming / 1-10V dimming	
	Dimming range	0-100%	
	Protective function	Over current protection, short circuit protection, over temperature protection, over voltage protection	
	Protection class	I P20	
surroundings	Operating temperature	-20~+45°C	
	Operating humidity	20~95%RH	
	Storage Temp	-40~80°C	
	Storage Humidity	5-95% RH	
	Max case temperature	75°C	
Safety electromagnetic compatibility	Withstand Voltage	I/P-O/P:2.5KVac I/P-FG:2KVac O/P-PG:0.5KVac	
	Insulation resistance	I/P-O/P,I/P-FG,O/P-PG:100M Ω/500VDC/25°C/70%RH	
	Safety standards	IEC/EN 62368-1	
specification	weight	272g	
	Product Size	230*50*30mm	
	Package dimensions	240*55*35mm	

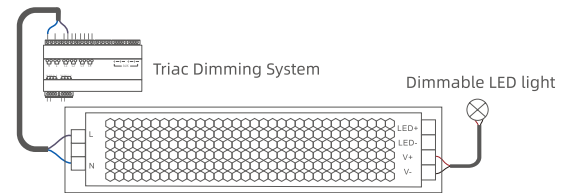
Size



0/1-10V Instructions



Triac Dimming Wiring Diagram



Malfunctions analysis & troubleshooting

Problems encountered	The solution
No light	<ol style="list-style-type: none"> 1. Check whether the input voltage is normal and whether there is mains voltage input; if there is, check whether the connected TRIAC dimmer / dimming system is connected correctly or check whether the input line is well connected; 2. There is normal voltage input at the drive input terminal. Check whether the driver output cable is connected properly. Check whether the output light bar is positive or negative. Check whether there is voltage across the dimming pin. / The dimming system turns off the dimming signal;
Not dimmable	<ol style="list-style-type: none"> 1. Check thyristor / dimmer system, 0 / 1-10V dimmer / Whether the system is connected properly;

Attention

- . This product should be debugged and installed by qualified personnel. Please read the product manual carefully before installation.
- . This product is not waterproof, you need to avoid the sun and rain, if installed outdoors, please use a waterproof box.
- . It is strictly prohibited to put the power supply to work in a high temperature environment, and it is strictly forbidden to cover the power supply during installation; When the ambient temperature exceeds 50°C, the power driver needs to reduce the power usage;
- . Please check whether the parameters of the LED dimming driver meet the product application requirements.
- . For safety reasons, according to the input and output current of the selected power supply, it is recommended to follow the 1mm² copper wire for 4-5A. Choose a suitable PVC or rubber cable, and ensure that the wiring is firm to avoid overheating of the wire or poor contact. Accident. Flat power cord is not applicable.
- . Before power-on debugging, make sure all wiring is correct to avoid damage to the lamp due to wiring error.
- . If there is a malfunction, please do not repair it privately; if you have any questions, please contact the supplier.
- . This manual is for reference only, please refer to the actual product, this product is subject to change without notice.
- . This product is not allowed to operate with power on. Please have the professionally qualified personnel carry out debugging and installation. Please read carefully before installation. Read the product manual.

产品简介

JISIM仟思盟VS是一款恒压模式输出12/24V的调光驱动器, 该系列驱动器设计从60-250W以满足不同功率的恒压灯具需求; 该系列驱动器支持切相调光和1-10V调光, 适用于恒压灯带和灯条, 配合各种智能控制系统广泛用于家居、商业、酒店、办公等高端场所。



产品特性

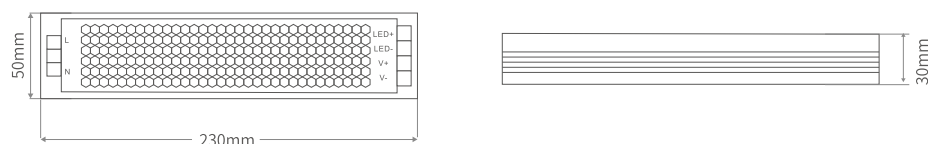
- 支持前沿后沿可控硅调光和0/1-10V调光;
- 恒压输出12V或24V, 输出电压精度高;
- 调光曲线平滑无抖动, 无闪烁;
- 0-100%调光深度;
- 电源具有短路、过流、过压、过温保护功能;
- 兼容各大品牌智能调光系统模块;
- 无噪声, 无频闪;
- 散热性能良好;
- 适用于LED低压灯带、硬灯条等室内照明灯具;



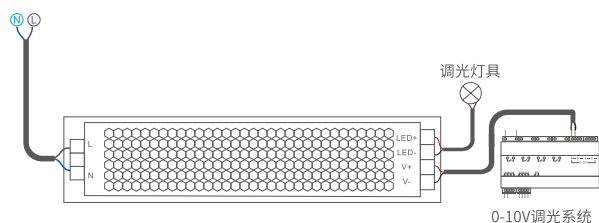
技术参数

型号		SM-FCVSF0100012	SM-FCVSF0100024
输入	电压	220-240Vac	
	频率	47/63Hz	
	电流	1.0A Max@230V满载	
	功率因素	<0.6@230V满载	
	效率	≥80%@230V满载	
	漏电流	<1mA@230Vac	
	待机功耗	≤0.8W	
	浪涌电流	冷机下测试60A@230Vac50Hz	
输出	电流	8.3A	4.16A
	电压	12V	24V
	功率	100W	
	电流精度	±5%	
	开机时间	<500ms@230Vac	
	纹波与噪声	150mV	
	电压精度	±5%	
	线性调整率	±0.5%	
	负载调整率	±0.5%	
功能&保护	调光接口	切相调光/0-10V调光/1-10V调光	
	调光范围	0-100%	
	保护	过流保护, 短路保护, 过温保护, 过压保护	
	防护等级	IP20	
环境	工作温度	-20~+45°C	
	工作湿度	20~95%RH	
	储存温度	-40~80°C	
	储存湿度	5-95% RH	
	最高壳温	75°C	
安全电磁兼容	耐压	I/P-O/P:2.5KVac I/P-FG:2KVac O/P-PG:0.5KVac	
	绝缘阻抗	I/P-O/P,I/P-FG,O/P-PG:100M Ω/500VDC/25°C/70%RH	
	安全标准	IEC/EN 62368-1	
规格	重量	272g	
	产品尺寸	230*50*30mm	
	包装	240*55*35mm	

尺寸图



0/1-10V接线图



可控硅调光接线图



故障分析和故障排除

遇到的问题	解决的方法
灯不亮	1. 检查输入电压是否正常, 是否有市电电压输入; 如果有检查接入的可控硅调光器/调光系统是否接线正确或检查输入线是否接线良好; 2. 驱动输入端有正常电压输入, 检查驱动器输出线是否接好, 输出灯条正负是否接反, 检查调光脚两端是否有电压, 没有电压检查是否是 0/1-10V调光器/调光系统关闭调光信号;
驱动器不能调光	1. 检查可控硅调光器/调光系统, 0/1-10V调光器/系统是否连接正确;

注意事项

- 本产品请由具有专业资格的人员进行调试安装, 安装前请仔细阅读产品说明书。
- 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。
- 严禁将电源放置在高温的环境下工作, 安装时严禁在电源上覆盖物品; 在环境温度超过50°C时电源驱动需要降低功率使用;
- 请检查使用的LED调光驱动器的各项参数, 是否符合产品应用要求。
- 出于安全考虑, 根据所选电源输入输出电流, 推荐按照1mm²的铜线走4-5A电流选择合适的PVC或橡胶线缆, 并确保接线牢固, 以免电线过热或接触不良触发事故。扁平电源线不适用。
- 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。
- 如果发生故障, 请勿私自维修; 如果有疑问, 请联系供应商。
- 本说明书仅供参考, 请以产品实物为准, 本产品如有更改恕不另行通知。
- 本产品不得带电操作, 请由具有专业资格的人员进行调试安装, 安装前请仔细阅读产品说明书。