

Product Features

- Wide input Voltage range 100-240VAC
- High efficiency >90%, PF >0.95, PWM output method
- Triac dimming; 0-10V/1-10V/Potentiometer/10V PWM 5 in 1
- Dimming function: Phase dimming: work with forward phase /leading edge, MLV and Reverse phase /trailing edge, ELV, TRIAC dimmers
- Support triac dimming (Leading/trailing edge)
- Excellent dimming effect & strong compatibility
- IP Grade: 67, suitable for indoor and outdoor usage
- Short circuit & over-current & over-voltage protection
- CE SAA TUV ETL passed
- Natural wind heat dissipation
- long lifespan & 5 years warranty

MSD-MV200 Series



warning

The dimming product is only suitable for direct drive LEDs.

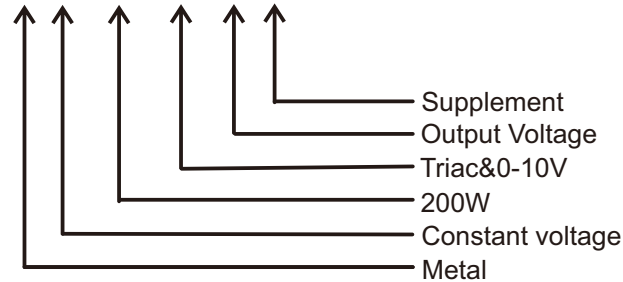
If there is a circuit drive LED or load with capacitance

inside the LED, it is not suitable for this dimming power supply.

Naming rule

MV200TA24X

① ② ③ ④ ⑤ ⑥



Number	Function							
①	M: Metal P: Plastic							
②	V: Constant voltage C: Constant current							
③	200: 200W							
④	A: 0/1-10V	D: DALI	T: Triac	N: No DIM	B: DALI D+8	TA: 0-10V & Triac	P: PUSH	DP: DALI PUSH
⑤	Output Voltage							
⑥	Supplement 例U: UFO							

Technical Parameters

MSD-MV200 Series

Model		MV200			
Output	Voltage	12V	24V	36V	48V
	Current	16.6A(Max)	8.33A(Max)	5.55A(Max)	4.16A(Max)
	Power	200W	200W	200W	200W
	Efficiency Full load	91%@110VAC	90%@110VAC	91%@110VAC	91%@110VAC
		92.5%@230VAC	92.5%@230VAC	92.5%@230VAC	92.5%@230VAC
Input	Input votage	100-240VAC			
	Frequency	50-60Hz			
	Power Factor	PF>0.98@110VAC PF>0.95@240VAC			
	THD	<10%@230V			
	Standby power	<5W			
	Current	2.03Amax@110VAC 0.93Amax@240VAC			
	Inrush Current	Cold start 60A(twidth=350us measured at 80% lpeak)@230VAC			
Protection	Short Circuit	Hit cup,recovers after resart			
	Over voltage	Hit cup,recovers after fault condition is removed			
	Over Load	Hic cup,recovers after fault condition is removed			
	Over temperature	No Output ,recovers after temperature<110°C			
Safety& EMC	Surge	L-N:2KV,L,N-PG:4KV			
	Withstand Voltage	I/P-O/P:3.75KVAC/1min/5mA;I/P-GND:2KVAC/1min/5mA			
	Safety Standards	IEC/EN61347-1,IEC/EN61347-2-13			
Environment	Working Temp	-25°C~60°C			
	Storage Temp	-40°C~85°C			
	Tc	85°C			
	IP Rating	IP67			
Others	Dimension	236*68*39mm			
	Weight	1200g			

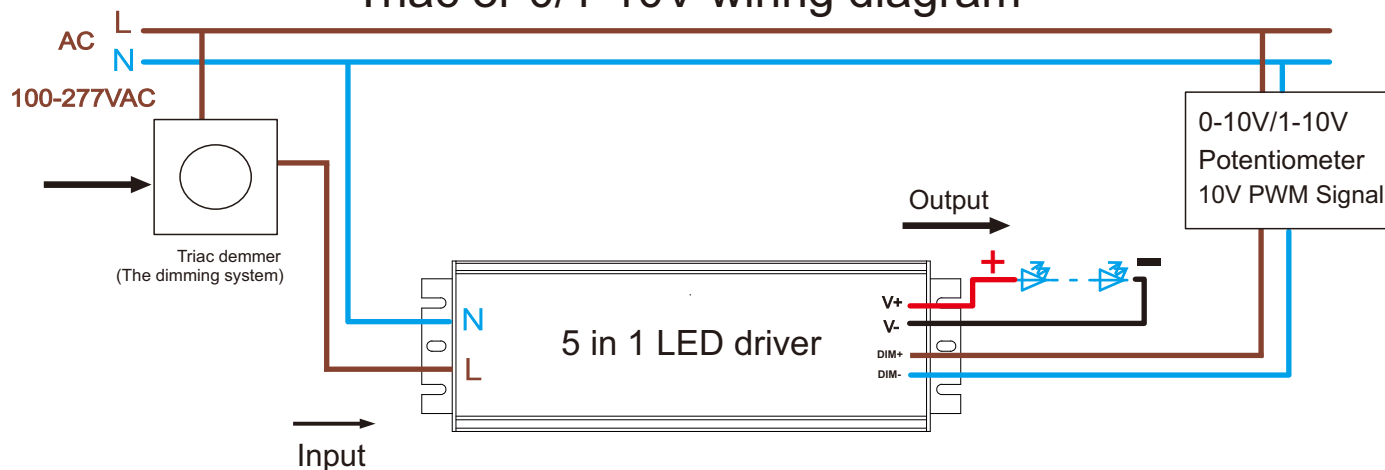
Note:

1. Unless otherwise specified, all specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C.
2. Ripple and noise measurement method: A12" twisted-pair line with 0.1uF and 47uF capacitors in parallel should be used for measurement under 20MHZ bandwidth.
3. The start time is measured under the starting of the cold machine.
Frequent switching on and off may increase the start time.
4. The driver is regarded as a component used in combination with the terminal equipment.
Since the EMC is affected by the whole device, the manufacturer of the terminal equipment needs to reconfirm the EMC of the whole device.

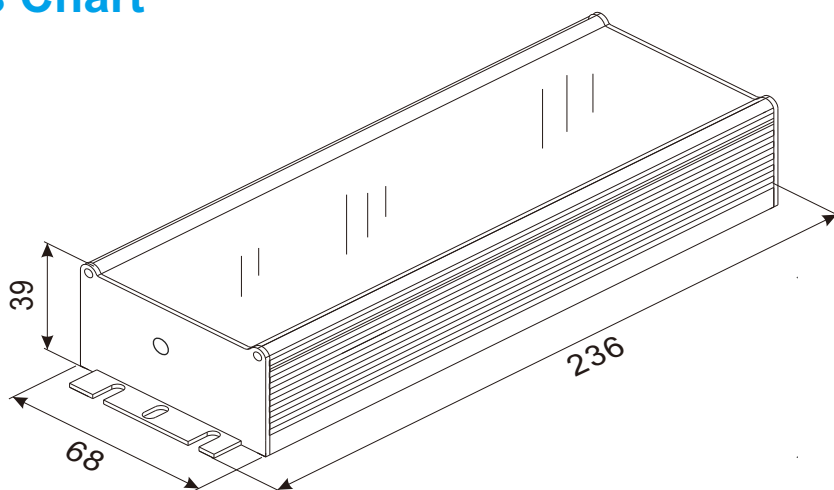
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Installation Introduction

Triac or 0/1-10V wiring diagram

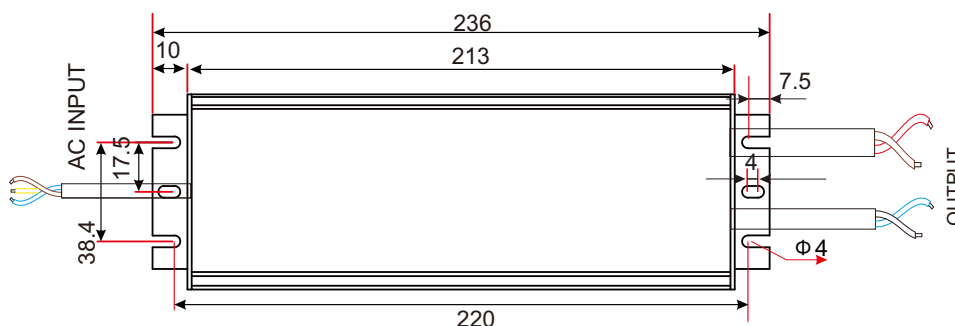


Dimensions Chart



Unit:mm

Install size



Unit:mm