

## Product Features

- Input Voltage range 200-240VAC
- High efficiency >90%, PF >0.95, VR 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-MV300 Series



## warning

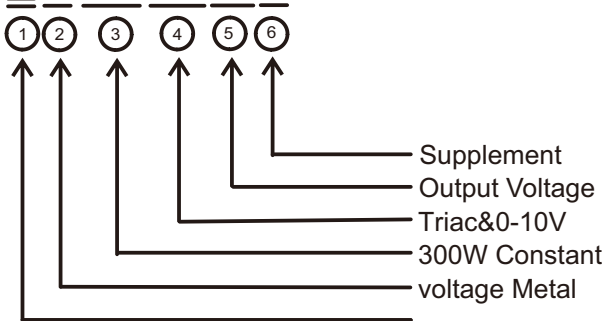
The dimming product is only suitable for direct drive LEDs.

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

**MV300TA48X**



Number	Function
①	M: Metal P: Plastic
②	V: Constant voltage C: Constant current
③	300: 300W
④	A: 0/1-10V D: DALI T: Triac N: No DIM B: DALI Dt8 TA: 0-10V & Triac P: PUSH DP: DALI PUSH
⑤	Output Voltage
⑥	Supplement 例U: UFO

## Technical Parameters

## MSD-MV300 Series

Model		MV320			
Output	Voltage	24V	36V	48V	
	Current	12.5A(Max)	8.3A(Max)	6.25A(Max)	
	Power	300W	300W	300W	
	Ripple& noise(max)	<250mVp-p	<250mVp-p	<250mVp-p	
	Efficiency Full load				
		92%@230VAC	92%@230VAC	92%@230VAC	
	Start, rise time		500ms, 100ms/230VAC, 1000ms, 100ms/110VAC		
	Hold time		10ms/110VAC, 230VAC		
Input	Input votage		200-240VAC		
	Frequency		50-60Hz		
	Power Factor		PF>0.98@110VAC PF>0.95@230VAC		
	THD		<17%@230V		
	Standby power		<5W		
	Current		1.6Amax@220V AC		
	Inrush Current		Cold start 70A(twidth=350us measured at 50% Ipeak)@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~45°C		
	Storage Temp		-40°C~85°C		
	Tc		85°C		
	IP Rating		IP67		
Others	Dimension		258*75*45mm		
	Weight		1800g		

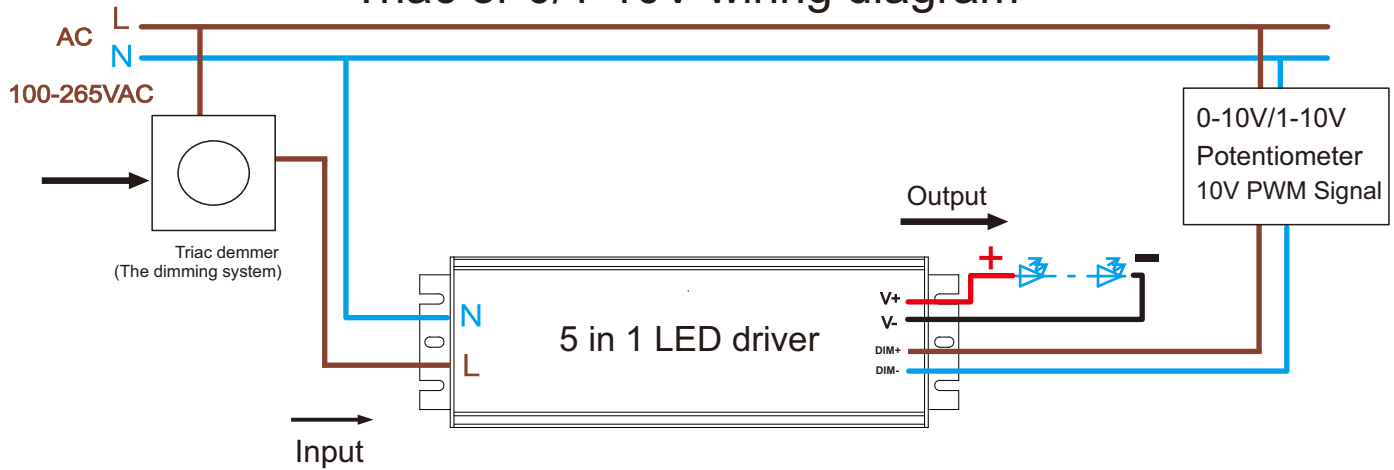
### Note:

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.

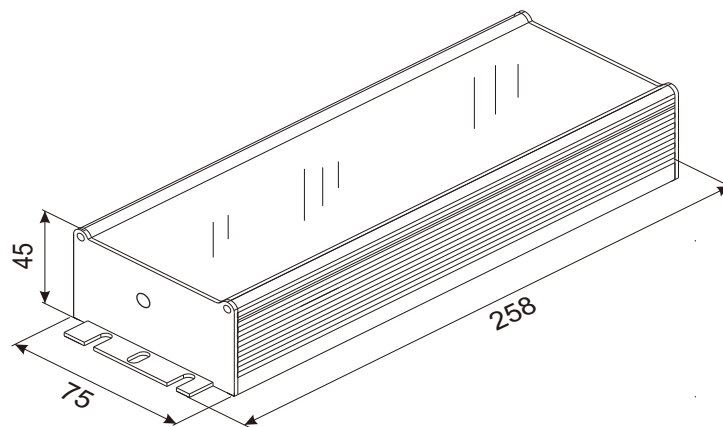
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### Installation Introduction

Triac or 0/1-10V wiring diagram

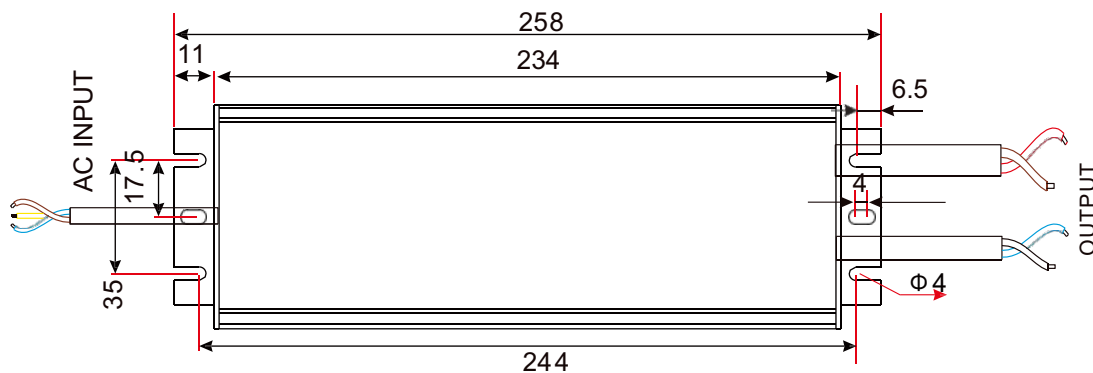


### Dimensions Chart



Unit:mm

### Install size



Unit:mm