NT-OTM-VPA300-J12/24V-F

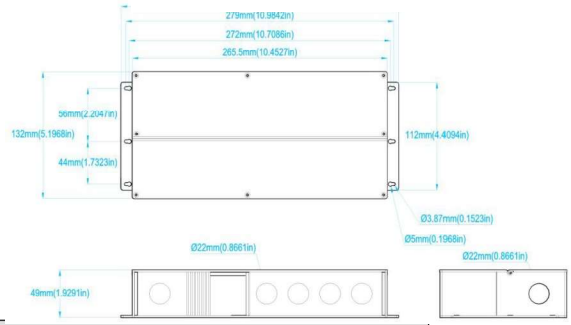
Triac ELV/MLV/0-10V/PWM 5 EN 1

Project :	Date :
Cat. No. :	Type :
Notes :	Volts :

- Universal input, 110-277Vac
- Build in active PFC, typical power factor>0.95, THD<20%@120V Max. load
- High efficiency : up to 80%
- Load: 0.1-100%
- Short-circuit, over-temperature, over-load protection
- Full protection metal case, for dry, damp, wet location
- Flicker-free
- Suitable for LED lighting and moving sign applications
- Dim-all: Triac/0-10V/1-10V/10V PWM/Potentiometer
- Switch to PWM or Voltage Reduce output

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Model		OTM-VPA300-J12	OTM-VPA300-J24
Certificates		UL, cUL listed, Type HL rated, FCC NEMA 4X	
Output	DC Voltage	12V	24V
	Rated Current	25A	12.5A
	Rated Power	300W	300W
	Voltage Tolerance	±0.5V	
	Voltage Regulation	±0.5%	
	Load Regulation	±1%	
Input	Voltage Range	110-277VAC	
	Frequency Range	47-63Hz	
	Power Factor（Typ.）	@ full load 0.99@120VAC 0.98@277VAC	
	THD（Typ.）@ full load	<20% 120VAC &277VAC	
	Efficiency（Typ.）@ full load	12V/88% @120Vac 89% @277Vac 24V/36V/48V 89% @120Vac 90%@277Vac	
	AC Current（Max.）	3.3A@110Vac	
	Inrush Current （Typ.）	20A, 50%, 1.9ms @120VAC; 35A, 50% 1.9ms @277VAC	
	Leakage current	<0.50mA	
Protection	Short Circuit	shut down o/p voltage, re-power on to recover after fault condition is removed	
	Over Loading	≤120% constant current limiting, auto-recovery	
	Over temperature	100℃±10℃ shut down o/p voltage, automatically recover after cooling.	
Environment	Working TEMP.	-40～+60℃ (see below derating curve)	
	Working Humidity	20～90%RH, non-condensing	
	Storage TEMP. Humidity	-40～+80℃，10～95%RH	
	TEMP .coefficient	±0.03%/℃（0～50℃）	
	Vibration	10～500Hz, 5G 10min./1 cycle,period for 60min. each along X,Y,Z axes	
Safety& EMC	Safety standards	UL8750+UL1310	
	Withstand voltage	I/P-O/P:1.88KVAC	
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25℃/70%RH	
	EMC EMISSION	FCC Part 15 B	
others	Net. Weight	2.1Kg	
	Size	289*132*42.5mm (L*W*H)	
	packing	10PCS/CTN	
Notes	1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25℃of ambient temperature. 2. To extend the driver's using life ,please reduce the loading at lower input voltage.		

Natech Industrie
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This specification is valid as of 2022-10 and is subject to change without notice. Please confirm with the manufacturer before placing an order.
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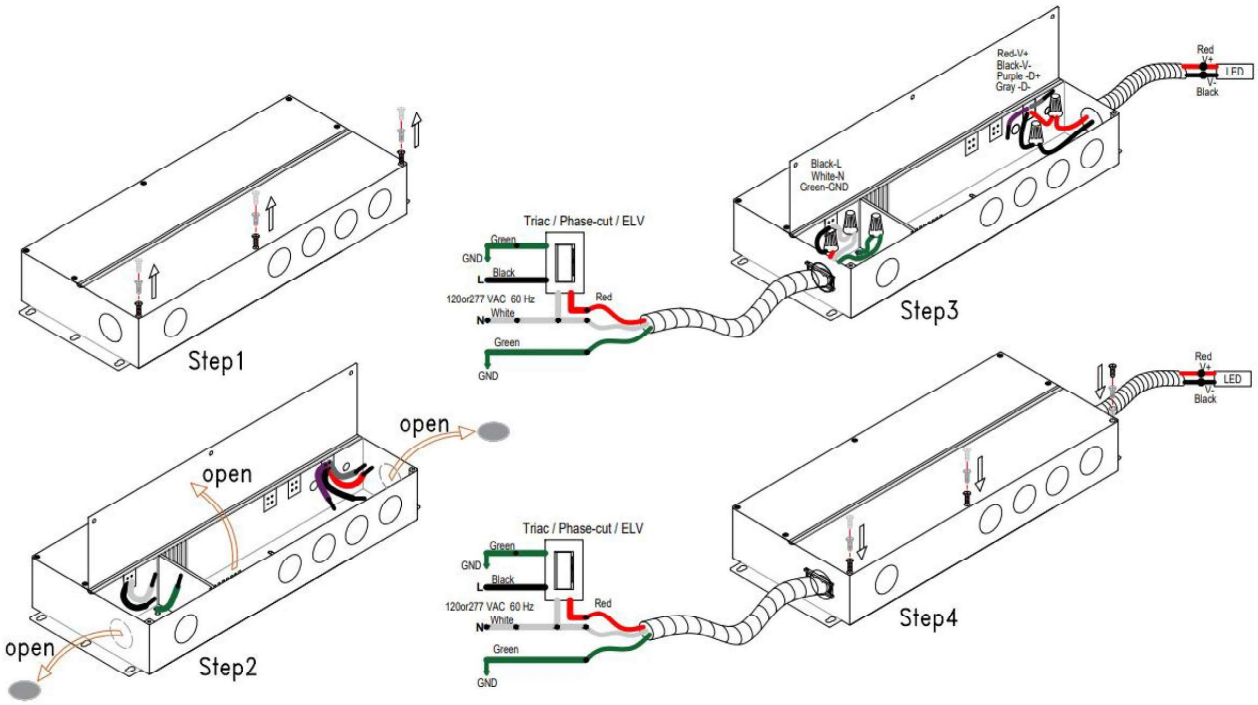
NT-OTM-VPA300-J12/24V-F

Triac ELV/MLV/0-10V/PWM

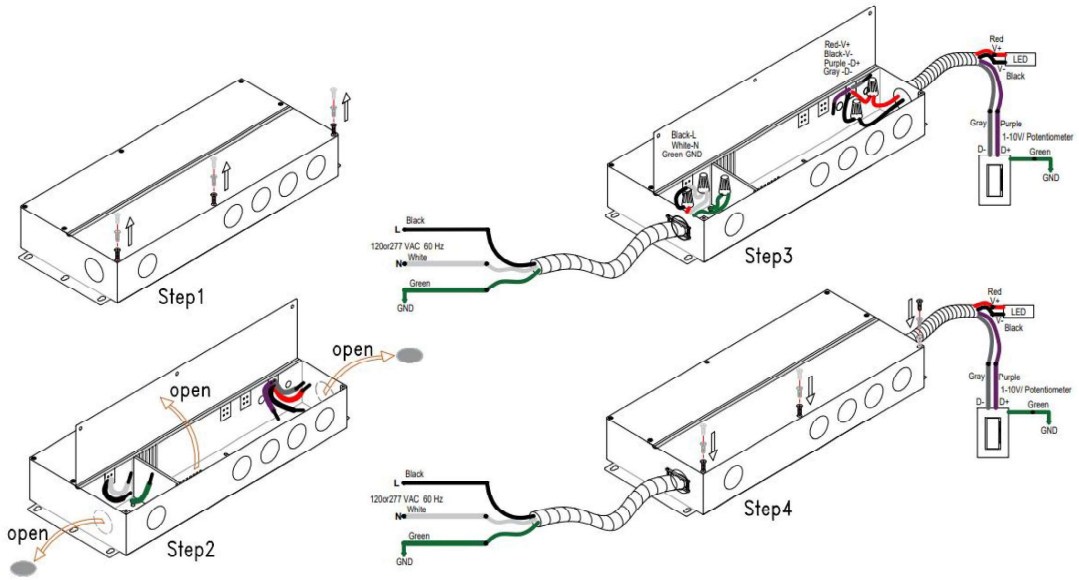
5 EN 1

Project :	Date :
Cat. No. :	Type :
Notes :	Volts :

Using Triac ELV wiring diagram



※Using 0-10/1-10V dimming(The dimmer is not connected to high voltage)



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