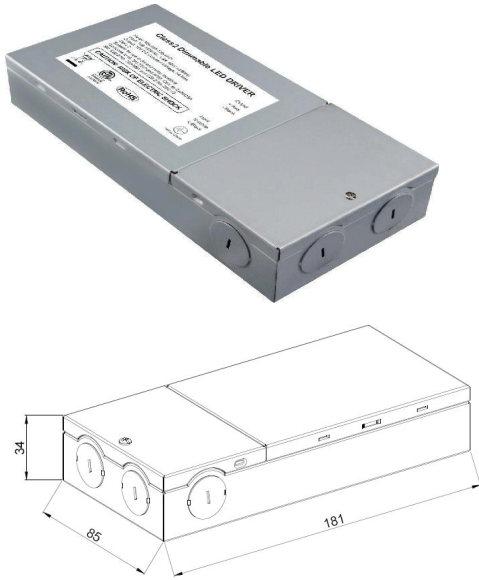


# Constant Voltage Phase/Triac dimmable driver---48W series



## ■ Features:

- Output constant voltage
- Universal AC input: 108-132VAC
- High efficiency :up to 86%
- Protection: short circuit / Over voltage.
- Integrated junction box for hard wire installation.
- Fully isolated metal case - Cooling by air convection.
- 3 years warranty.
- ETL certification, Class 2.
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications and others
- Suitable for dry or damp location use, IP20



## ■ Specification

Model		FDHP-48-Driver	FDHP-48-Driver
Certificates		ETL Class 2	
Output	DC Voltage	12V	24V
	Rated current	4A	2A
	Rated power	48W	
Input	Voltage Range	108-132VAC	
	Frequency Range	47~63HZ	
	Power Factor	0.6 (Full loading)	
	Efficiency (Typ.)	86%	
	AC Current (Max.)	1 A	
Protection	Short Circuit	Hiccup mode, recover automatically after fault condition is removed	
	Over Loading	≤120%	
Environment	Working TEMP.	-25°C to 40°C.	
	Working Humidity	20~90%RH, non-condensing	
	Storage TEMP. Humidity	-40~+60°C, 10~95%RH	
Safety& EMC	Safety standards	UL8750	
	Withstand voltage	I/P-O/P:1500VAC	
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH	
Others	Net. Weight	512g	
	Size	181*85*34mm (L*W*H)	
Notes	1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25°C of ambient temperature. 2. To extend the driver's using life ,please reduce the loading at lower input voltage. 3.Loading should be 5-100%.		

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### ■Dimming Operation

- ※The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a triac dimmer.
- ※Usually matching with leading edge/Forward Phase Triac Dimmers( Can customized as a driver only matching trailing edge/reverse phase Triac Dimmers if needed).
- ※Please try to use dimmers with power at least 2.5 times as the output power of the driver.
- ※for Forward phase,Magnetic low voltage and Triac Dimmers

### ■Warning

- ※Prevent to reverse polarity;
- ※Risk of Fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician;
- ※Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.

### ■Connecting Diagram

