

**Magnetic & Electronic Transformers**

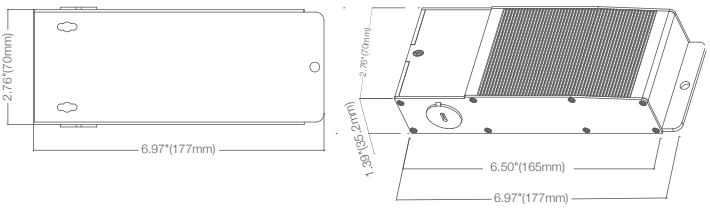


# Constant Voltage Triac Dimmable Transformers



**20W  
60W**

**12/24 VOLT** **DAMP LOCATION** **CLASS 2**



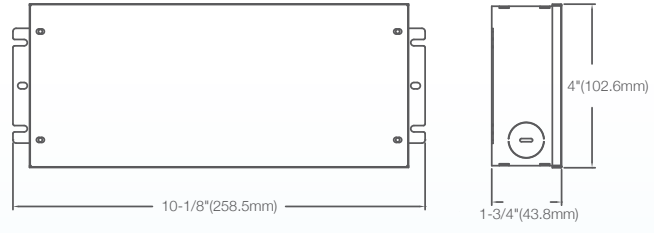
- Features:**
- Constant Voltage Mode
  - Universal AC input / Full range: AC120-277V
  - Strong Compatibility, flicker-free dimming
  - ETL certification, Class II power unit
  - Protections: Short circuit / Overload / Over Voltage
  - Fully isolated aluminum case with IP20 level
  - Suitable for dry or damp location
  - Suitable for LED strip, LED modules or LED sign applications etc.

Certificates	ETL	
<b>Protection</b>	Short Current	Hiccup mode, recover automatically after fault condition is removed
	Over Loading	≤120%
<b>Environment</b>	Working TEMP.	-13°F to 113°F
	Working Humidity	20~90% RH, Non-Condensing
	Storage TEMP. Humidity	-40~140°F, 10~95% RH
<b>Safety &amp; EMC</b>	Safety Standards	UL8750
	Withstand Voltage	I/P-O/P: 1500VAC
	Isolation Resistance	I/P-O/P: 100M Ω /500VDC/77°F/70% RH
<b>Notes</b>	1. All parameters if NOT specially mentioned are measured at 120VAC input, rated load and 77°F 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%	



**150W**

**12/24 VOLT** **DAMP LOCATION** **CLASS P**



- Features:**
- Constant Voltage Mode
  - Universal AC input / Full range: AC120-277V
  - Strong Compatibility, flicker-free dimming
  - ETL certification, Class P
  - Protections: Short circuit / Overload / Over Voltage
  - Fully isolated aluminum case with IP20 level
  - Suitable for dry or damp location
  - Suitable for LED strip, LED modules or LED sign applications etc.

Certificates	ETL	
<b>Protection</b>	Short Current	Hiccup mode, recover automatically after fault condition is removed
	Over Loading	≤120%
<b>Environment</b>	Working TEMP.	-13°F to 113°F
	Working Humidity	20~90% RH, Non-Condensing
	Storage TEMP. Humidity	-40~140°F, 10~95% RH
<b>Safety &amp; EMC</b>	Safety Standards	UL8750
	Withstand Voltage	I/P-O/P: 1500VAC
	Isolation Resistance	I/P-O/P: 100M Ω /500VDC/77°F/70% RH
<b>Notes</b>	1. All parameters if NOT specially mentioned are measured at 120VAC input, rated load and 77°F 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%	

Series	Volt	Current	Watt	Brightness
<b>CV</b>	-	<b>DC</b>	-	<b>DIM</b>
Constant Voltage	12V 12 Volts 24V 24 Volts	Direct Current	20 Watts 60 Watts (12 or 24V) 150 Watts	Dimmable

*Specs and model numbers are subject to change with or without notice*

# Constant Voltage Triac Dimmable Transformers

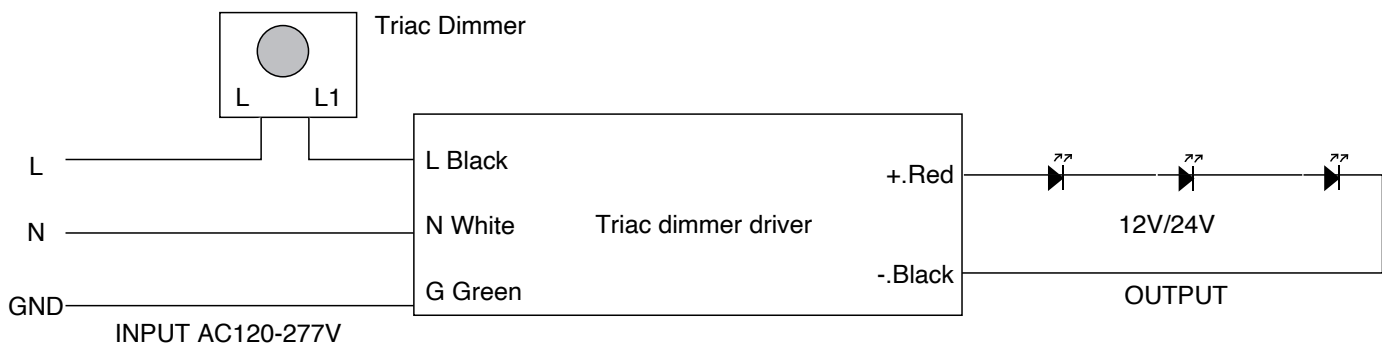
## Constant Voltage Phase/120-277V Triac dimmable driver

### 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.



## Instructions

### 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

- 1) This driver should be installed by a qualified professional
- 2) Please make sure the transformer is installed with adequate ventilation around it to allow for heat dissipation.
- 3) Ensure that wiring is correct before testing in order to avoid light and power supply damage.