

# TRIAC/MLV/ELV Dimmable Drivers for Remote Locations Specifications













AL-98-09-12060, AL-98-09-24096



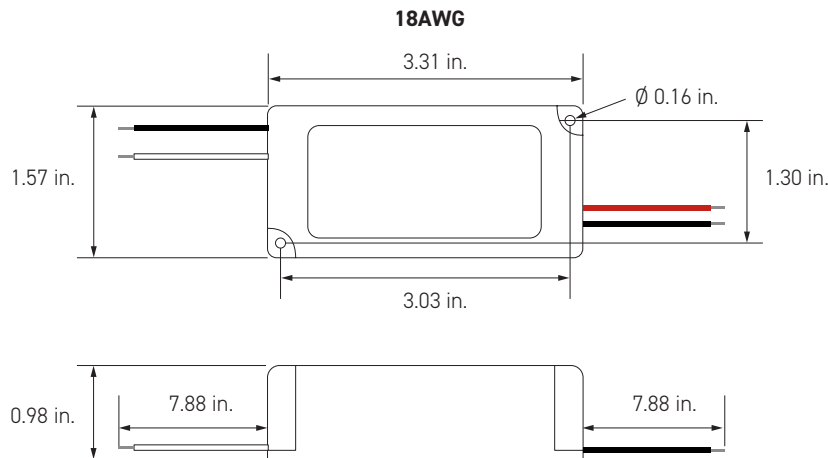
TRIAC/ELV/MLV Dimmable Drivers for Remote Locations are a compact, efficient, and reliable solution for your lighting needs. These drivers offer stable power in even the most remote settings and seamlessly integrate with dimmer switches, TRIAC, ELV, or MLV, ensuring smooth dimming transitions for optimal control. Meeting rigorous safety standards, these drivers offer Class 2 compliance, Class P compliance, and UL Listing. They are also already derated, which means they can be loaded to maximum wattage capacity.

- Dimming range: 0-100%
- Factory derated
- Dry/damp location
- Compatible with TRIAC, MLV and ELV dimmers
- Short-circuit, over-load protection
- UL Listed
- Rohs
- Class 2

## QUICK SPECIFICATIONS

<b>Input</b>		120V AC
<b>Features</b>	 	100% maximum load 20% minimum load Class 2
<b>Environment</b>	 	Dry/damp environment
<b>Certifications</b>	     	UL listed, Class 2, Class P, Type HL, SELV, RoHS
<b>Warranty</b>		5 year limited

## DIMENSIONS

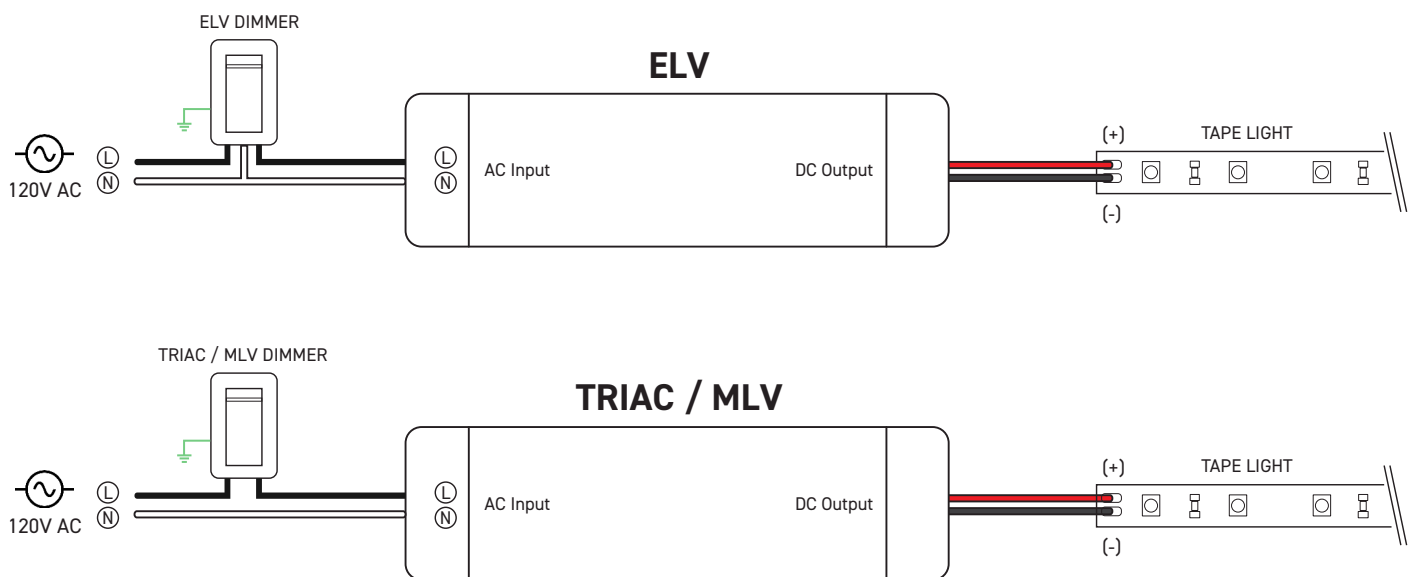


## TECHNICAL INFORMATION

Item Number	AL-98-09-12060	AL-98-09-24096	
<b>Output</b>	DC Voltage	12V DC	24V DC
	Rated Current	5A	4A
	Rated Power	60W	96W
	Minimum Load	20%	
	Voltage Tolerance	±1V	
<b>Input</b>	Voltage Range	120V AC	
	Frequency Range	47/63 Hz	
	Power Factor (Avg.)	>94%	
<b>Protection</b>	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed	
	Over Load	Reduce the output voltage and output power, auto-recovery or re-power on to recovery	
<b>Environment</b>	Working Temp.	-40 ~ +60°C / -40 ~ +140°F	
	Humidity	95% RH max.	
<b>Safety &amp; EMC</b>	Safety Standards	UL8750, Class 2	
	Withstand Voltage	I/P-O/P:1.88KVAC	
<b>Other</b>	Warranty	5 Year Limited	
	Weight	0.17 kg	
	Size	3.31 x 1.57 x 0.98 in.	

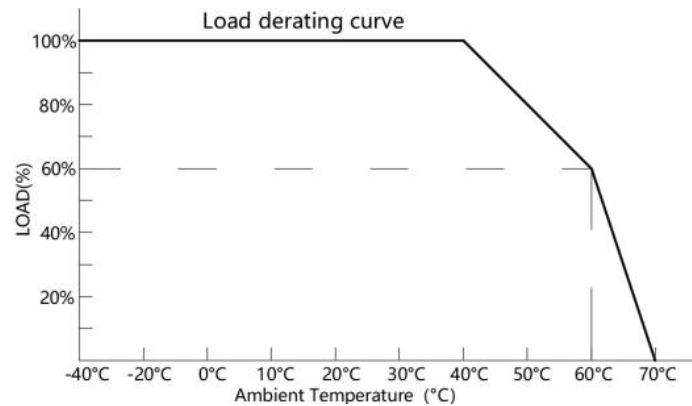
\*These drivers are derated, but when installed in a small enclosure with no heatsink or air circulation, we recommend a max. load of 40W.

## WIRING DIAGRAM



## DERATING CURVE

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## TROUBLESHOOTING

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Q: Why are the lights connected to the driver blinking roughly once a second?

A: The driver may be overloaded. Check to make sure the maximum wattage is not being exceeded. There could also be a possibility of incompatible voltage. Confirm that the driver and tape light voltage match.

Q: How do I determine the compatibility?

A: Check the voltage, wattage, load capacity of both the tape light and driver.

Q: Is it possible to have multiple runs of tape light that are daisy-chained together connect to a driver with 1 lead wire?

A: Yes, but only if the total length of consecutive runs do not exceed the tape light's maximum run and also does not exceed the driver's maximum wattage.