



## SPEC SHEET: COMMERCIAL DMX EL/VynEL™ INVERTER

The Commercial DMX Electroluminescent Inverter is an ideal inverter to power many types of Electroluminescent material when you need it to sync up to other lighting devices or DMX consoles. Used mostly in stage performances, and Commercial control systems, the Commercial DMX EL Inverter is capable of powering up to 150sqin of EL material. DMX In and Out allows linking multiple inverters together. The dual control system allows you to set the appropriate DMX channel, or set into manual mode for an easy ability to change between blink modes, and constant on modes.

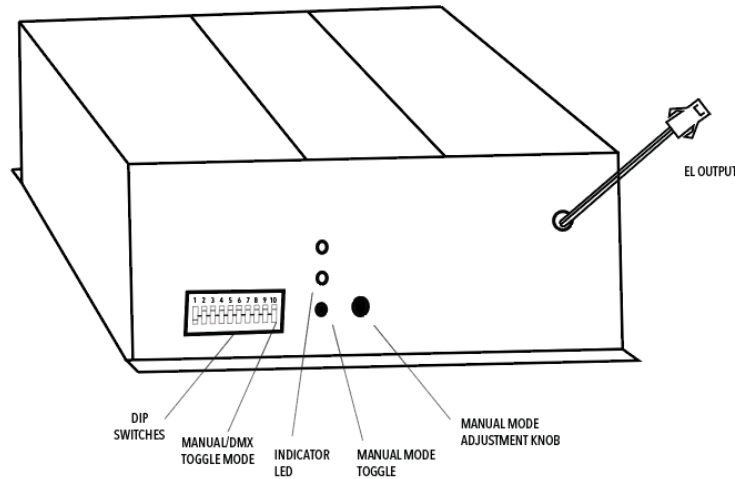
The compact design allows for a multitude of mounting locations, and the heat sinked casing allows for 24/7 operation in many dry environments. This inverter allows seamless powering of nearly any type of Electroluminescent material at its optimal brightness.

**NOTES:** Split EL Tape and some EL Wire (other brands) may not be compatible with this inverter.

**CAUTION: WHEN USING THIS PRODUCT WITH ELLUMIGLOW EL WIRE OR ECO-EL WIRE, DO NOT TURN BRIGHTNESS KNOB PAST THE LINE DRAWN ON THE LUMINANCE ADJUSTMENT KNOB! DOING SO CAN CAUSE IRREPARABLE DAMAGE TO THE EL WIRE.**

SKU	SIZE	OUTPUT VOLTAGE	OUTPUT FREQUENCY	RECOMMENDED LOAD	INPUT VOLTAGE	POWER CONSUMPTION
EOD284	160 x 95 x 45mm (6.3 x 3.7 x 1.8")	170-210V AC	1800-2400Hz	75-150sqin	24V DC	20W (0.83A)

### DIAGRAM



### OPERATION

This inverter is capable of operating in two modes; Standalone and DMX modes. In standard mode, turn Dip Switch 10 to the ON position. An indicator LED will show inverter is operating in standalone mode. Simply press the button to cycle between various blink modes, along with constant on mode. Adjustment rheostat knob will allow for fine tuning of the brightness setting.

In DMX Mode, turn Dip Switch 10 to the OFF position, and set the switches to the desired DMX Address. Use DMX console or controller to adjust the brightness between 0-255 values (0 at 0% brightness, 255 at 100% brightness).



## MIN & MAX LOADS

While this inverter is capable of a wide range of Electroluminescent devices, we recommend working within the following parameters with each of these Electroluminescent devices for best results.

INVERTER	EL Wire	Eco-EL Wire	TruEL™ Wire	VynEL™ Panels	EL Paint	EL Panels
EOD284	100-200ft*	150-250ft*	20-150ft	20-150sqin	20-100sqn	NOT RECOMMENDED

**\*EL Wire and TruEL Wire is susceptible to irreparable damage to the EL Wire if the luminance adjustment knob is turned past the safe line, on the inverter. This is because EL Wire products cannot handle the same driving conditions that other EL products can.**

## FAQ

- What size is the input connector inverter?  
This inverter takes a standard 2.1mm x 5.5mm DC Male Connector which is found on most 24V DC Power supplies
- What is the inverter actually doing?  
The inverter is taking a 24V DC Input and increasing the voltage and frequency to somewhere around 200V and 2000Hz. Each inverter will be load dependent, meaning the voltage and frequency are different depending on how much VynEL, EL Wire, Tape, Panels, etc are attached to the inverter?
- Is the brightness adjustable?  
Yes, brightness is adjusted through the dimming control knob located on the side of the device. **PLEASE USE CAUTION WHEN USING EL WIRE TO NOT ADJUST PAST THE MAX LINE ON THE INVERTER**
- Can this inverter be used in automotive use?  
Yes, this is a great all in one unit made for many different areas of installation, including automotive. We highly recommend mounting the inverter using rubber grommets and/or other methods of decreasing road vibration for best results. For automotive applications that only have 12V on board, we recommend using a 12-24V Step Up Converter.
- Can I use this inverter for signage?  
YES! What's great about this inverter is it was designed for a wide range of operation, from stage performances, signage, retail, commercial, residential and more. Using for TruEL Wire, and VynEL products will increase the brightness over common EL Wire or EL Panel operations.