

# ENTTEC CVC4

INSTALLATION GRADE 12-24V 4 CHANNEL RDM/AUTO-ADDRESSING 8/16-BIT LED  
DIMMER



16-BIT  
8-BIT



Robust and reliable, ENTTEC's CVC4 is a high accuracy 20A installation grade LED dimmer capable of controlling up to 5A on each of its 4 channels at either a 16 or 8-Bit resolution, a perfect partner for Constant voltage LED strip.

The CVC4 has been designed with durability, versatility and quick deployment in mind, using either RDM or ENTTEC's proprietary auto addressing PLink protocol. This allows fast installation by users with little DMX knowledge, simply configure the two DIP switches to set the operation mode (either 16-Bit/8-Bit – RGB/RGBW) and add power.

Engineered to take any architectural, commercial or entertainment project to the next level, the CVC4 has been created to redefine the way constant voltage LED strip is controlled.

## FEATURES

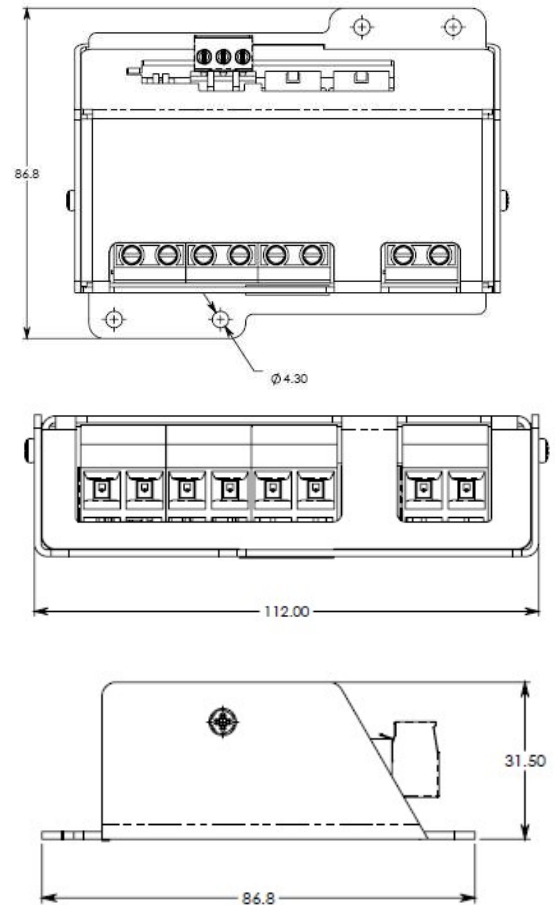
- Robust solid-state design with passive cooling
- Auto-addressing option to ensure fast commissioning
- 16 or 8-Bit control for ultra-smooth dimming or options
- Compact simplistic DIP switch and LED indicator to set the operating mode
- Integrated surface mounting tabs
- Support for single, dual, triple or quad channel constant voltage LED strips
- Control, up to 17m of ENTTEC 9VLW RGBW LED Tape
- Scalable design for large projects
- User serviceable fuse to protect against short circuits.
- User space each unit up to 300m away from the next when using PLink over Cat6 cable
- This product requires an external data source and DC power supply for operation

## SPECIFICATIONS

Input voltage	12-24 V DC		
Maximum current rating	Max. 20A (in 4ch mode)		
Maximum output power	240 W (@12V)		
	480 W (@24V)		
Device power draw	Max. 4W – Idle 0.3W		
Maximum current rating per channel	Max. 5A		
Reverse polarity protection	Yes (power input connector only)		
Over Temperature Protection	Yes (output intensity will half and the LED indicator will blink red) if the output breaches the temperature range – standard operation will resume following.		
Pulse width modulation (PWM) frequency	1KHz - Fixed		
User replicable fuse:	ATO 20A blade fuse		
Body material	Folded metal - black powder coated		
Weight	0.25Kg		
Cooling method	Convection		
Operating temperature	-20°C to +50°C		
IP rating	IP20		
Mounting Options	Surface mount using mounting tabs		
Data input protocols	DMX512a PLink - WS2812b (RJ45)		
Data output protocol	PLink - WS2812b (RJ45)		
RDM functionality	Start address configuration		
	Temperature monitoring		
	Firmware updatable – via the DMX port using ENTTEC’s RDM Controller Software and DMX USB Pro / Pro Mk2 Hardware.		
Start address configuration options	PLink using Pixelator family products		
	RDM (Default channel: 1)		
Dimming resolution	8/16-Bit		
Fixture Modes / Channel footprint	8-Bit RGB	3ch	
	8-Bit RGBW	4ch	
	16-Bit RGB	6ch	
	16-Bit RGBW	8ch	
Data capability (per chain)	DMX Input	Up to 1 universe	
	PLink Input	Up to 2 universes	
Maximum data cable length	DMX	300m maximum chain length using DMX cable	
	PLink	300m between each device over Cat6	
Connector types	Power input + Dimming	Screw terminals	
	DMX512	Phoenix screw terminals	
	PLink	RJ45	
Warranty	3 Year return to base manufacturer warranty		
Packaging Dimensions	60x130x35mm		
Net Packaged Weight	0.3Kg		

## INFORMATION

### Dimensions



### User Serviceable Fuse

The CVC4 contains a user serviceable 20A blade fuse to protect against over draw and short circuiting.

### Certification



### Installation

This product must be installed in accordance with applicable national and local electrical & construction codes by a competent person familiar with the operation of the product and the hazards involved. Failure to comply with these and the product installation guide may result in serious injury or damage to property. Refer to this product's full installation guide before handling, planning, and specifying it on your project. If ever unsure consult ENTTEC.

■ DATASHEET SKU: 73925

# ORDERING INFORMATION

## CVC4

Visit [www.enttec.com](http://www.enttec.com) to browse ENTTEC’s range of LED lighting and control products. For any customization or OEM opportunities, contact our sales team via [sales@enttec.com](mailto:sales@enttec.com).

ITEM	PART NUMBER
CVC4 20A Constant Voltage LED Driver	73925



enttec.com

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Due to constant innovation, information within this document is subject to change.