



General

Product Type	Constant Voltage Driver
Length (mm)	112
Width (mm)	67
Height (mm)	35
Housing Color	White
Housing Material	Plastic
Mounting	DIN-Rail
Weight (g)	135
Wire Strip Length	5mm
Wire Type	2.5mm2

Electronics

Input Domain	DC
Input Voltage	5 ~ 24V DC
Output Voltage	5 ~ 24 V DC
Output Current (mA) max/output	4000
Output Current Max. (A)	16
Output Power (W)	80W @ 5V, 192W @ 12V, 384W @ 24V,
Power Supply	N/A

Lighting

Color Range	RGBW
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Control

Output Signal	PWM-CV
Control	DMX
RDM Support	Yes
Dimming Range	0~100%
Dimming Curve	Linear
Driver Configuration	Buttons Control Panel
Number of Channels	4

Protection

Reverse Polarity	Yes
LED Output Short	Yes
Overload	Yes
Restart after Protection	Yes

Environmental

Operating Temperature	-30 ~ +55 °C
Ingress Protection	IP20

CE FCC IP20 5year warranty

Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.



DIN-Rail CV Decoder

0-80...384W 4A × 4CH 5-24Vdc

- Dimming interface: DMX512, RDM.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range: 0~100%, LED start at 0.1% possible.
- Max. current output: 16A.
- Full protective plastic housing.
- Suitable for indoor environments.

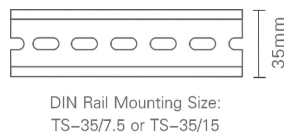
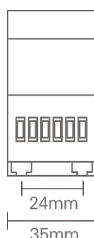
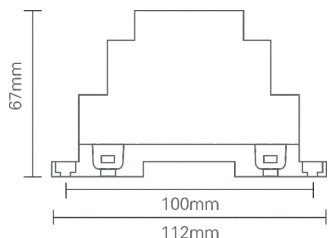


Main Characteristics

Dimming Interface: DMX512, RDM
 Input Voltage: 5~24Vdc
 Output Voltage: 5~24Vdc
 Output Current: 4A×4CH Max. 16A
 Output Power: Max 80W/192W/384W[5V/12V/24V]
 Dimming Range: 0~100%

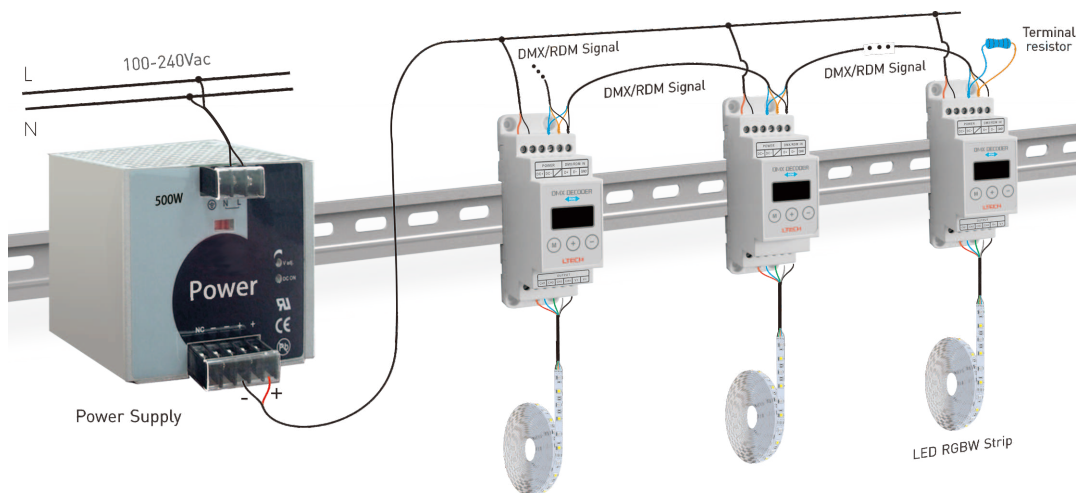
Mounting: DIN-Rail or Screw
 Working Temperature: -30℃~55℃
 Product Size: L112×W35×H67(mm)
 Package Size: L114×W37×H70(mm)
 Weight(G.W.): 135g

Dimensions

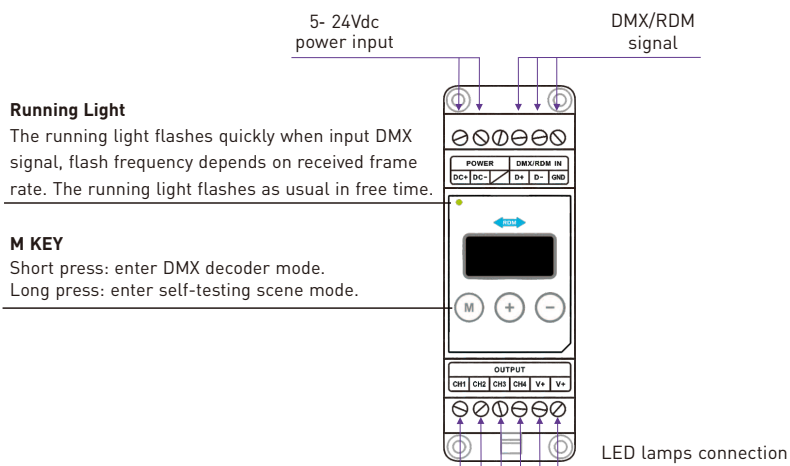


Wiring Diagram

12V lamp connected, loads 0~192W(12V). 24V lamp connected, loads 0~384W(24V).



- * An amplifier is needed when more than 32 decoders are connected, signal amplification should not be more than 5 times continuously.
- * If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at the end of each line.



Running Light

The running light flashes quickly when input DMX signal, flash frequency depends on received frame rate. The running light flashes as usual in free time.

M KEY

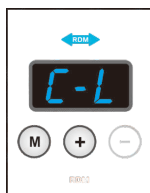
Short press: enter DMX decoder mode.
Long press: enter self-testing scene mode.

DMX Decoder Mode.

Address Setting: In DMX Decoder Mode, first press "+" or "-" key to enter address setting.

Changing the DMX initial address when the 3 address value start to flicker. (Range: 001-512)

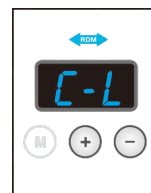
- ⊕ : Short press to add one more address, long press to add quickly.
- ⊖ : Short press to subtract one more address, long press to subtract quickly.
- Ⓜ : Short press to quit.



Long press Ⓜ and ⊕ key at the same time, set the brightness output to linearity curve [C-L].



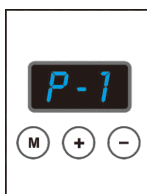
Long press Ⓜ and ⊖ key at the same time, set the brightness output to Gamma curve [C-E]



Long press ⊕ and ⊖ key at the same time, check the present luminosity curve.

Self-testing Scene Mode.

Long press "M" key to enter self-testing scene mode.



Adjust brightness by pressing ⊕ ⊖ key.
(Range 0-255)

Restore the Default Parameter:

Long press Ⓜ ⊕ ⊖ keys at the same time, Restore the default parameter, digital tube display "RES".

Default Parameters: DMX decoder mode, DMX base address is 1, Gamma curve, self-test in No.1 pattern status.

