

## PWM24-1CV-AN

## Constant Voltage Analog (1-10V) interface

### Salient features

- Analog 1-10V interface for CV LED drivers
- Compatible with Helvar CV LED driver units
- Suitable for Class I, II, SELV fixtures or independent use
- Included power LED to indicate current status.
- Works with 12 / 24 V CV LED drivers
- Overload, Over temperature & Short Circuit protection



Compatible with  
Helvar controlgear

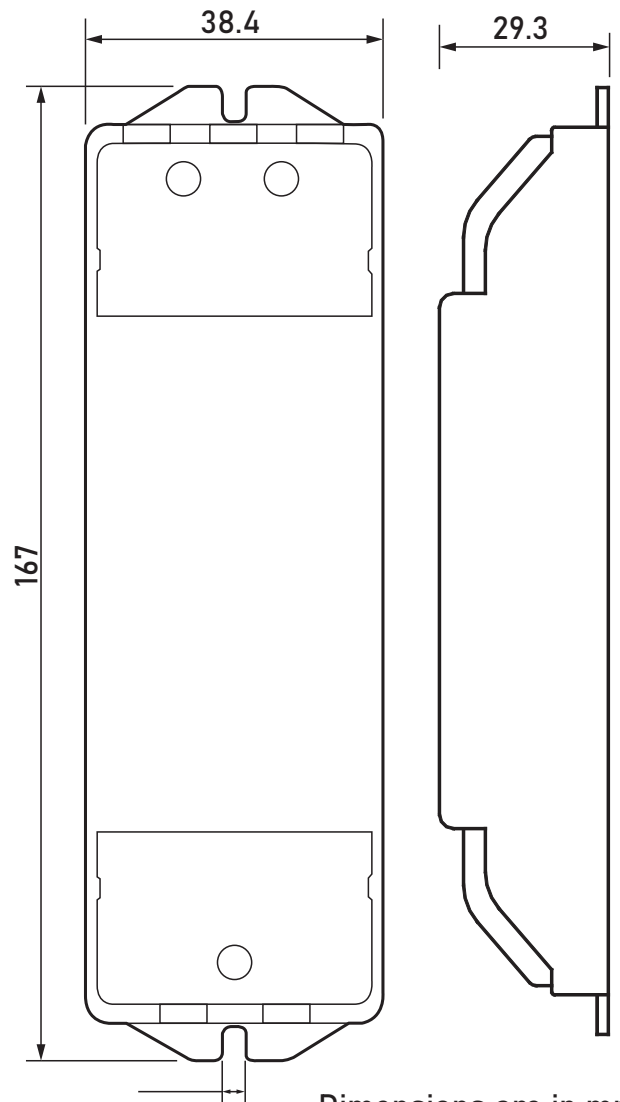
### Functional Description

Analog 1-10V interface for constant voltage LED drivers to be incorporated with a Analog dimmer or Analog dimming system. Suitable for both 12 and 24V O/P LED drivers. Interface is mainly used with LED Strip or Decorative applications. The PWM24-1CV-AN units contain an internal overload and short circuit protection.

### Technical Data

Input Voltage	12-24 V (DC ONLY)
Dimming Voltage (O/P)	40-220V AC (not compatible for US markets)
Output Power @ 12V	50.4 W
Output Power @ 24V	100 W
Output Current Output Channels	4.2 A (max) One output channel
Ambient Temperature	-20 to +50 °C
No of interfaces per CV driver	Depends on total load. Can use 2 interface per CV driver if maximum is not exceeded
Dimensions	L167 W38.4 H29.3 mm
Luminaire class	Class I Class II Independent use
IP Rating	Suitable for Indoor use only (IP 20)
Wire size	0.5 - 1.5 sq mm (AWG 22-14) Bare wire end must be 6 mm

### Dimensions



Dimensions are in mm

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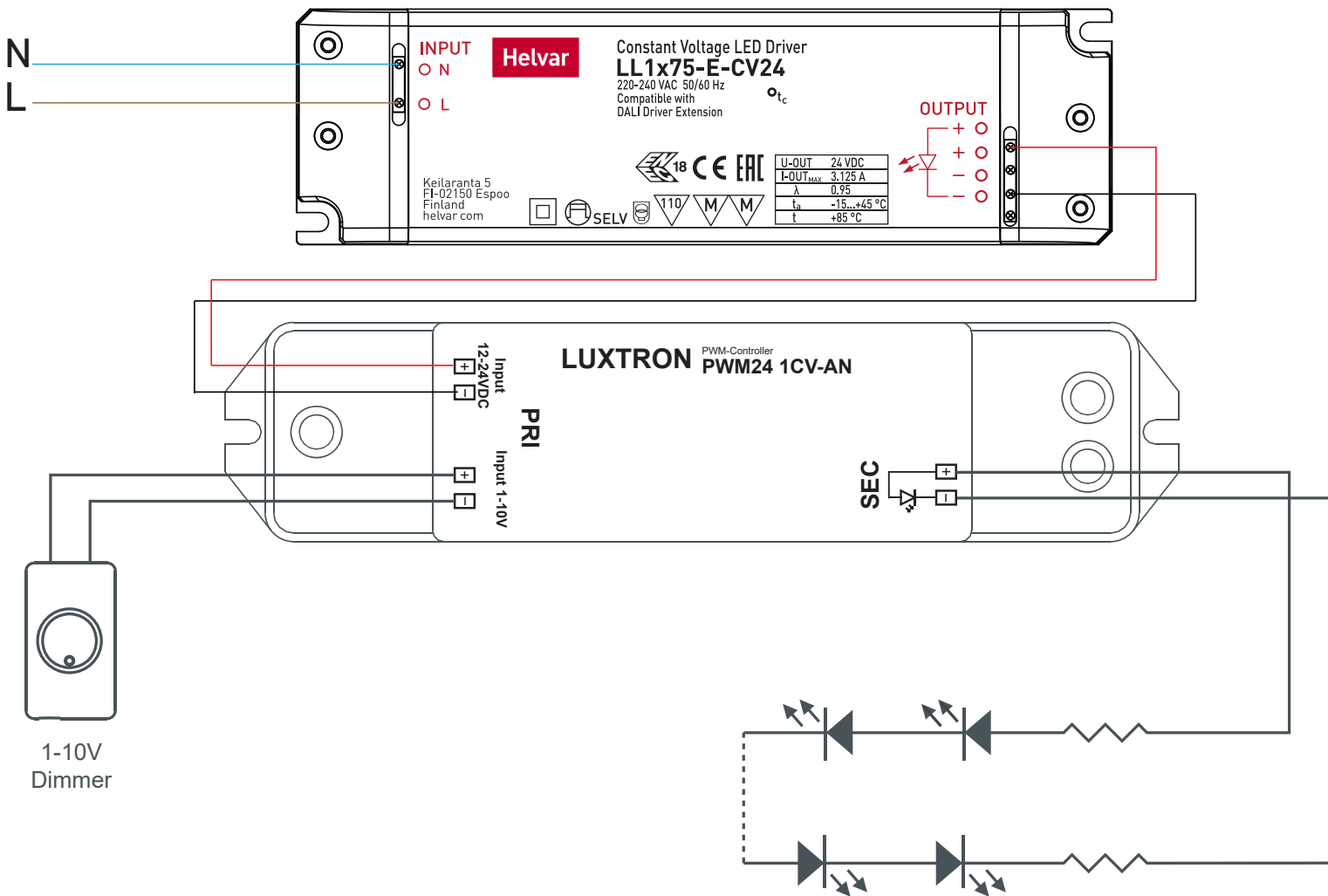
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Compatible with Helvar controlgear **Helvar**

Wiring Diagram

Wiring as shown with LL1x75-E-CV24 Constant Voltage LED driver from Helvar, Finland



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### Installation instructions

- The installation must be carried out in accordance with international and national standards by a qualified electrician only.
- The PWM24 1CV-AN units are intended for use with LED requiring a constant voltage of 12-24VDC only.
- Careful attention must be paid to polarity when connecting the +/- terminals.
- The PWM24V 1CV-AN units contain an internal overload / short-circuit protection.
- In case of overload or short circuit on secondary side, the device will cut off automatically. As soon as the defect has been repaired unit will restart automatically.
- When working on the LED system, it must be separated from mains.
- For RFI protection mains and secondary wires have to be installed free of intersection.
- PWM units mounted outside of luminaries are to be screwed tightly on suitable surface by using their screw holes and attention has to be paid to fastening primary and secondary lines securely by strain relief.
- The PWM units do not contain any serviceable components and must not be opened.