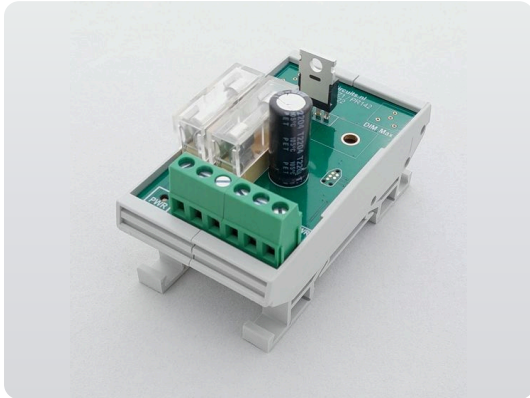


Potentiometer-controlled LED dimmer, low-side switched

Article number PR142x01



The PR142x01 converts the position of an external potentiometer from 500 Ω to 100 k Ω into a low-side switched PWM output: the lamp is connected between terminal 1 (supply plus) and terminal 2. The potentiometer is connected to terminals 3, 4 and 5. Terminal 6, the supply minus, also serves as the common ground for the analogue signals; the module is not galvanically isolated.

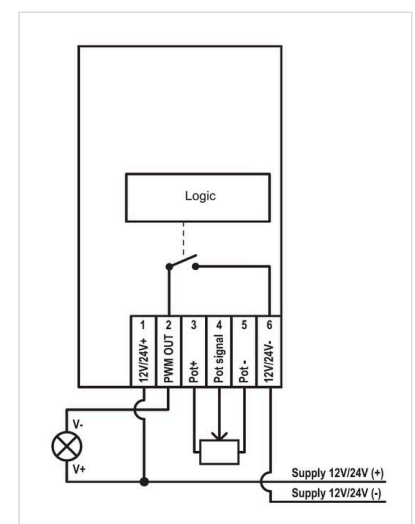
Price on request. Lead time on request. Not in stock? We will make it.

Specifications

Supply	9 to 30 V DC, for 12 and 24 V DC systems
Input	Potentiometer from 500 Ω to 100 k Ω on terminals 3, 4 and 5
Output	PWM, low-side switched: lamp between terminals 1 and 2
Isolation	Not isolated: terminal 6 (supply minus) is also the common ground for the analogue signals
Output current	5 A max.
PWM frequency	122 Hz
Ambient temperature	0 to 80 °C
Dimensions	45 x 82 mm

Connections

Terminal 1	Supply plus (12 or 24 V DC) and lamp plus
Terminal 2	PWM output, to the lamp minus
Terminal 3	Potentiometer plus
Terminal 4	Potentiometer signal (wiper)
Terminal 5	Potentiometer minus
Terminal 6	Supply minus, also common ground for the analogue signals



More information, price and lead time: www.procircuits.nl/en/products/pr142x01

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