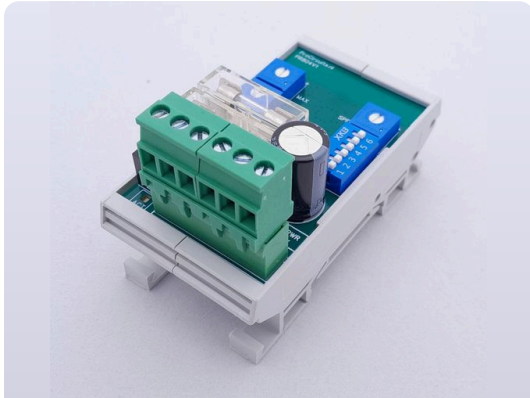


0-10 V LED dimmer, low-side switched, adjustable limits and dimming speed

Article number PR804s05



The PR804s05 converts a 0-10 V signal on terminal 4 into a low-side switched PWM output: the lamp is connected between terminal 1 (supply plus) and terminal 2. The input range extends to 11 V; the signal minus shares terminal 6 (0 V) with the supply, so the module is not galvanically isolated. The MIN, MAX and SPEED trimmers on the board set the lower limit, upper limit and dimming speed of the output.

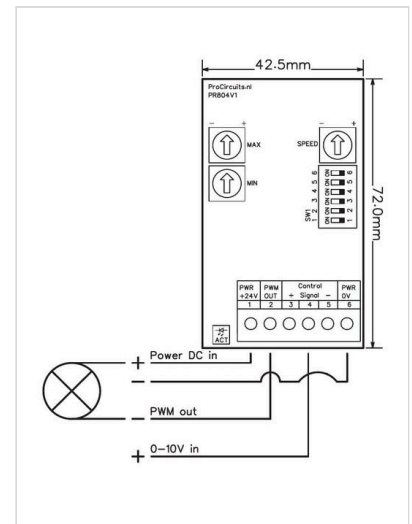
Price on request. Lead time on request. Not in stock? We will make it.

Specifications

Supply	9 to 30 V DC, for 12 and 24 V DC systems
Input	0-10 V on terminal 4, input range up to 11 V
Output	PWM, low-side switched: lamp between terminals 1 and 2
Isolation	Not isolated: terminal 6 (0 V) is also the minus of the 0-10 V input
Setup	MIN, MAX and SPEED trimmers on the board; dimming curve adjustable
Output current	5 A max.
PWM frequency	120 Hz
Ambient temperature	0 to 80 °C
Dimensions	45 x 83 mm with DIN rail enclosure, 42.5 x 72 mm without

Connections

Terminal 1	Supply plus and lamp plus
Terminal 2	PWM output, to the lamp minus
Terminal 3	Not used
Terminal 4	0-10 V input (plus)
Terminal 5	Not used
Terminal 6	Supply minus (0 V), also 0-10 V input minus



Setup

1. Connect the lamp between terminal 1 and terminal 2.
2. Connect the 0-10 V signal to terminal 4 (plus) and terminal 6 (minus).
3. Connect the supply to terminal 1 (plus) and terminal 6 (0 V).
4. Set the lower limit of the output with the MIN trimmer.
5. Set the upper limit of the output with the MAX trimmer.
6. Set the dimming speed with the SPEED trimmer.

More information, price and lead time: www.procircuits.nl/en/products/pr804s05

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