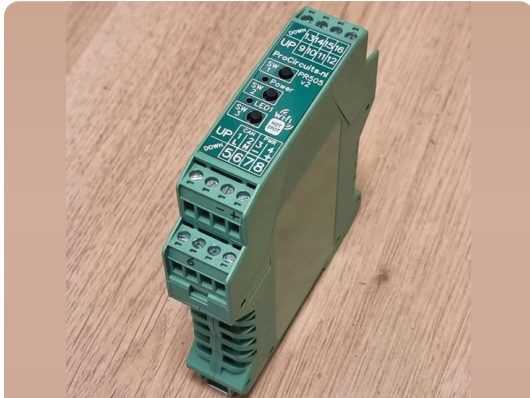


0-10 V to PWM driver for valves, lamps and motors, with Wi-Fi

Article number PR505x109



The PR505x109 converts a 0-10 V analogue voltage into a PWM output: at 0 V the output is 0 % (off), at 10 V it is 100 %. The range is fully adjustable and can be reversed, for example 1 V = 0 % and 8 V = 100 %. The PWM frequency is adjustable from 10 Hz to 10 kHz (200 Hz as delivered) and the output can be high-side or low-side switched. A slow ramp-up and ramp-down prevents a hydraulic valve from opening too quickly.

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

Specifications

Supply	12 and 24 V DC
Input	0-10 V DC; gain and range fully adjustable
Output	PWM, high-side or low-side switched; minimum and maximum fully adjustable, also reversed
Setup	Through the built-in Wi-Fi hotspot, with a phone, tablet or laptop
Output current	8 A max. with resistive load; peak current can be limited
PWM frequency	10 Hz to 10 kHz, 200 Hz as delivered
Rise and fall rate	Slow ramp-up and ramp-down adjustable, to protect hydraulic valves
Use	Not for medical use or situations where failure or malfunction of the module could cause damage or injury
Mounting	DIN rail, in the enclosure supplied
Factory setting	0 V = 0 % (off), 10 V = 100 %; PWM frequency 200 Hz

Setup

1. Hold button SW1 for ten seconds. The built-in Wi-Fi hotspot switches on.
2. Connect to the hotspot with a phone, tablet, laptop or computer.
3. Link the minimum and maximum of the output to the required input range, for example 1 V = 0 % and 8 V = 100 %.
4. If required, set reversal of the output, slow ramp-up and ramp-down, peak current limiting and the PWM frequency.
5. The same screen shows the current input and output values.

More information, price and lead time: www.procircuits.nl/en/products/pr505x109

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