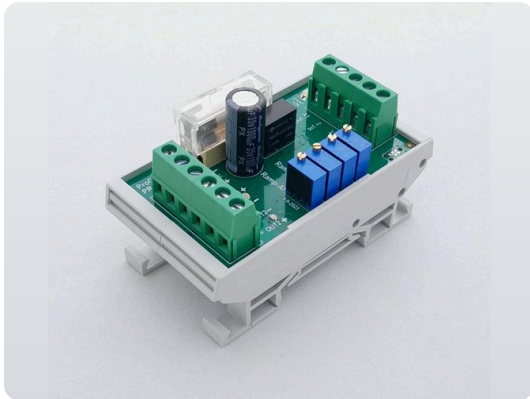


Two fixed PWM outputs via two inputs, adjustable ramps

Article number PR159s17



The PR159s17 uses two inputs to switch on two high-side switched PWM outputs: 5 to 30 V on IN1 switches on output 1, on IN3 output 2. The active output gives a PWM signal with a fixed duty cycle that is set per output: with V-max for output 1 and with V-start for output 2. Ramp-up and Ramp-down set how quickly the output rises and falls. If both inputs are active, IN1 has priority.

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

Specifications

Supply	18 to 30 V DC
Input	IN1 (A2) and IN3 (A4): 5 to 30 V DC switches on output 1 or 2
Output	Two PWM outputs, high-side switched, on B3 and B4 and on B5 and B6; fixed duty cycle per output; only one active at a time, IN1 has priority
Isolation	Input side (A1 to A5) galvanically isolated from outputs and supply (B1 to B6)
Setup	Four trimmers: V-max (duty cycle output 1), V-start (duty cycle output 2), Ramp-up and Ramp-down
Output current	4 A max., both outputs together
Rise and fall rate	Adjustable with the Ramp-up and Ramp-down trimmers
Ambient temperature	0 to 80 °C
Dimensions	45 x 82 mm

Connections

Terminal A1 Isolated 5 V output, for switching the inputs

Terminal A2 IN1: switches on output 1

Terminal A3 Not used

Terminal A4 IN3: switches on output 2

Terminal A5 0 V of the isolated side

Terminal B1 Supply minus

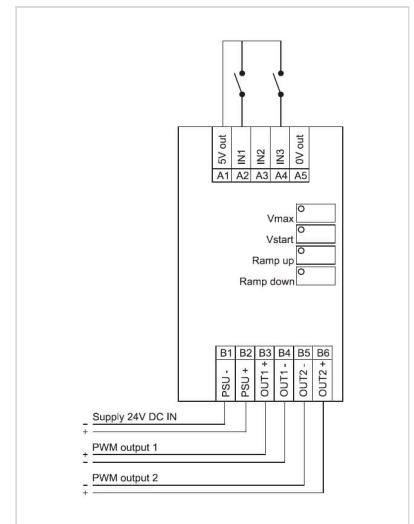
Terminal B2 Supply plus

Terminal B3 Output 1 plus (to the plus of the first load)

Terminal B4 Output 1 minus (to the minus of the first load)

Terminal B5 Output 2 minus (to the minus of the second load)

Terminal B6 Output 2 plus (to the plus of the second load)



Setup

1. Connect the supply to B1 (minus) and B2 (plus), the first load to B3 and B4 and the second load to B5 and B6.
2. Connect a switch between A1 (5 V) and IN1 (A2) for output 1, and between A1 and IN3 (A4) for output 2.
3. Set the duty cycle of output 1 with V-max and that of output 2 with V-start. Turning clockwise increases the value.
4. Set the rate at which the output rises with Ramp-up and the rate at which it falls with Ramp-down.

More information, price and lead time: www.procircuits.nl/en/products/pr159s17

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