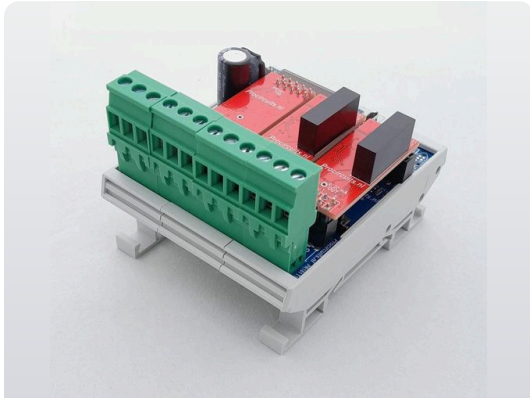


Five digital inputs to PWM signal conditioner, high-side switched, with display

Article number PR181-X060



The PR181-X060 reads five 12 V digital inputs and uses them to drive one high-side switched PWM output of up to 1 A. For each input, the duty cycle of the output is set on the display, independently of the other inputs: for example 50 % for input 1, 25 % for input 2 and 100 % for input 3. If more than one input is active, the input with the lowest number applies; if no input is active, the output is at 0 %. The rise and fall rate and the PWM frequency are adjustable as well.

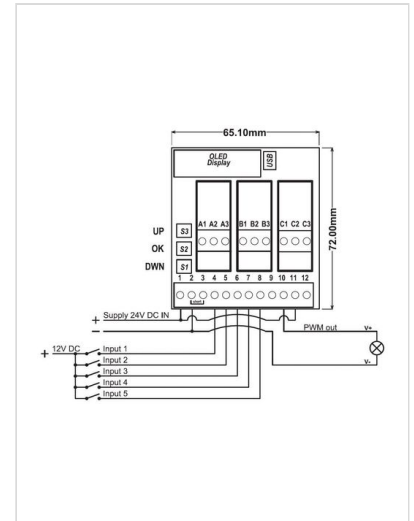
Price on request. Lead time on request. Not in stock? We will make it.

Specifications

Supply	9 to 30 V DC
Input	Five 12 V digital inputs, on terminals 4 to 8, 13 V max.
Output	PWM, high-side switched, on terminal 10; duty cycle adjustable per input
Isolation	Not isolated: the common minus of the inputs (terminal 3) is internally connected to the supply minus (terminal 2)
Setup	Display with UP, OK and DOWN buttons
Output current	1 A max.
PWM frequency	3 Hz to 10 kHz, adjustable on the display
Rise and fall rate	Adjustable on the display
Ambient temperature	-25 to 55 °C, non-condensing
Dimensions	68 x 83 mm with DIN rail enclosure, 65 x 72 mm without
Factory setting	Duty cycle of every input 0 %

Connections

Terminal 1	Supply plus
Terminal 2	Supply minus
Terminal 3	Common minus, internally connected to terminal 2
Terminal 4	Digital input 1
Terminal 5	Digital input 2
Terminal 6	Digital input 3
Terminal 7	Digital input 4
Terminal 8	Digital input 5
Terminal 9	Not used
Terminal 10	PWM output, high-side switched (to the load plus)
Terminal 11	Supply plus for the PWM output, connect to the supply plus
Terminal 12	Not used



Setup

1. Connect the module according to the terminal table, with the supply plus on terminal 1 and terminal 11, and switch on the supply.
2. In the menu, select Input 1 PWM out and use UP and DOWN to set the duty cycle the output gets when input 1 is active. Confirm with OK.
3. Set Input 2 PWM out to Input 5 PWM out in the same way. Each value is independent of the others and does not have to be in order.
4. If required, set the rise and fall rate with Ramp up and Ramp down, and the PWM frequency with PWM frequency.
5. Go to the SAVE menu to store the new settings.

More information, price and lead time: www.procircuits.nl/en/products/pr181-x060

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