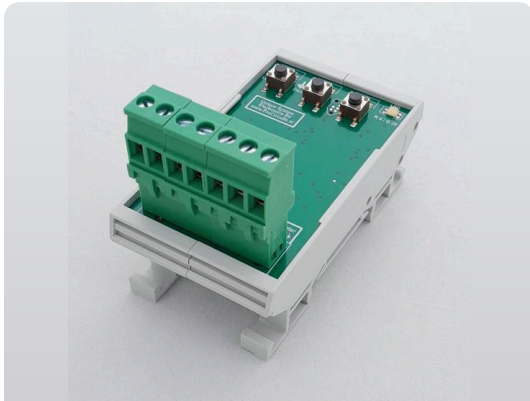


Potentiometer to 0-5 V converter, push-button setup

Article number PR100s08



The PR100s08 converts the signal of a potentiometer from 500 Ω to 100 k Ω into a 0-5 V DC voltage. The output is calibrated with the push buttons: potentiometer in the position for 5 V, press the button; potentiometer in the position for 0 V, press the button. Fine adjustment by hand remains possible afterwards. The output is not galvanically isolated: the output minus is internally connected to the supply minus.

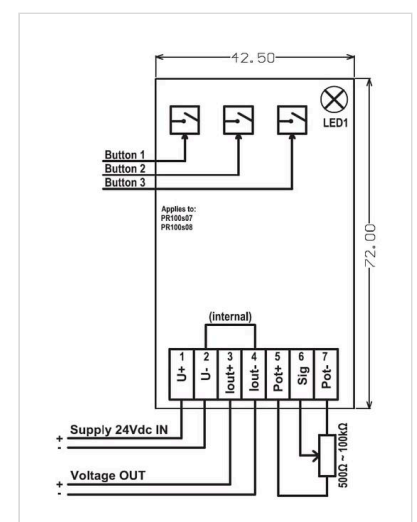
Price on request. Lead time on request. Not in stock? We will make it.

Specifications

Supply	12 and 24 V DC, operating range 11 to 30 V DC
Input	Potentiometer, 500 Ω to 100 k Ω
Output	0-5 V DC
Isolation	Not isolated: the output minus (terminal 4) is internally connected to the supply minus (terminal 2)
Setup	Three push buttons and a green LED
Ambient temperature	0 to 55 °C
Dimensions	Board 43 x 72 mm
Mounting	DIN rail holder, supplied as standard

Connections

Terminal 1	Supply plus, 12 or 24 V DC
Terminal 2	Supply minus, also common ground for the analogue signals
Terminal 3	0-5 V output (plus)
Terminal 4	0-5 V output (minus), internally connected to terminal 2
Terminal 5	Potentiometer plus
Terminal 6	Potentiometer signal (wiper)
Terminal 7	Potentiometer minus



Setup

1. Set up the module when it is first connected and every time you use a different potentiometer.
2. Connect the potentiometer to terminals 5, 6 and 7, and the output to terminals 3 and 4.
3. Apply 12 or 24 V DC to terminals 1 and 2. The green LED lights continuously.
4. Hold button 3 for four seconds. The LED flashes green: the module is in programming mode.
5. Turn the potentiometer to its maximum and hold button 2 for four seconds. The LED flashes quickly for two seconds: 5 V has been stored.
6. Turn the potentiometer to its minimum and hold button 1 for four seconds. The LED flashes quickly for two seconds: 0 V has been stored.
7. Hold button 3 again for four seconds to save. The LED flashes quickly for two seconds and then lights green continuously. The module is ready for use.
8. To restore the factory settings: disconnect the supply, hold button 2 and reconnect the supply. If the green LED flashes briefly and quickly, the module has been reset.

More information, price and lead time: www.procircuits.nl/en/products/pr100s08

ProCircuits B.V. · Van Nijenrodeweg 903, 1081 BJ Amsterdam, Netherlands · +31 6 45 77 55 93 · willem@procircuits.nl ·

Chamber of Commerce (KVK) 87009870

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