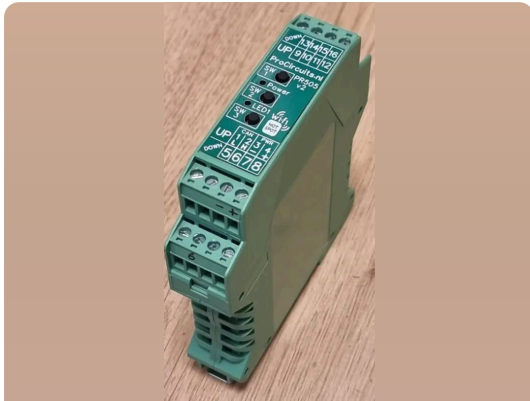


4-20 mA to ± 10 V converter, compact, with Wi-Fi

Article number PR505x015



The PR505x015 converts a 4-20 mA or 0-20 mA current signal linearly into a voltage of -10 to +10 V DC: 4 mA gives -10 V, 12 mA 0 V and 20 mA +10 V. The output is galvanically isolated. Zero point and scale factor (offset and gain) are adjustable, as are inversion, a smaller or larger output range (for example -5 to +5 V), a time delay against rapid changes and filtering against noise. The module has three free expansion slots, for example for joysticks, sensors or additional 4-20 mA and 0-10 V signals.

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

Specifications

Supply	12 or 24 V DC (± 20 %)
Consumption	less than 250 mA
Input	4-20 mA or 0-20 mA on terminal 9
Output	-10 to +10 V DC, linear: 4 mA = -10 V, 12 mA = 0 V, 20 mA = +10 V
Isolation	Output galvanically isolated
Adjustable	Zero point and scale factor (offset and gain), inversion, output range, time delay and filtering
Wi-Fi	Built-in hotspot, among other things for new firmware
Expansion	Three free expansion slots; optional control via Wi-Fi, Ethernet, Modbus TCP or RS485 and CAN bus
Dimensions	115 x 100 x 23 mm
Mounting	DIN rail

Connections

Terminal 3	Supply minus (GND)
Terminal 4	Supply plus
Terminal 5	Isolated analogue output -10 to +10 V (plus)
Terminal 9	Analogue input 4-20 mA or 0-20 mA (I+)
Terminal 10	Common of the isolated analogue output

Setup

1. Connect the module according to the terminal table, switch on the supply and wait about one minute for the module to start up.
2. Hold button SW1 for about ten seconds to switch on the Wi-Fi hotspot.
3. Connect your computer, phone or tablet to the Wi-Fi network whose name starts with PR505v2_.
4. Open <http://192.168.1.1> or <http://192.168.4.1> in the browser.
5. On the green page, click Go to configuration portal.
6. Select Upgrade to load new firmware.

More information, price and lead time: www.procircuits.nl/en/products/pr505x015

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