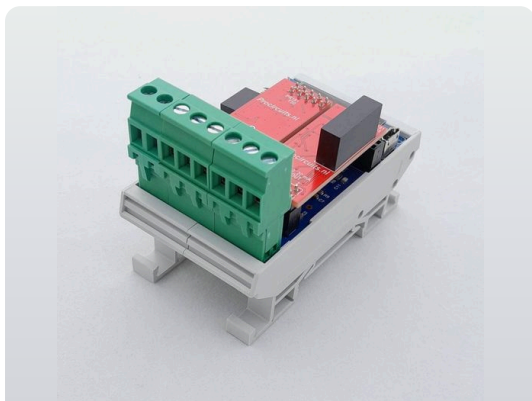


Up/down pulse input to 4-20 mA signal conditioner, isolated, with display

Article number PR181-X027



The PR181-X027 converts an up and a down pulse input into a 4-20 mA signal. Output speed in seconds sets how long the output takes to go from 0 to 100 % and back; the lower and upper limits of the output are set on the display. The inputs accept high-side and low-side switched contacts of 20 to 50 V DC; LED 1 (up) and LED 2 (down) light up on a pulse. Input, output and supply are galvanically isolated from each other.

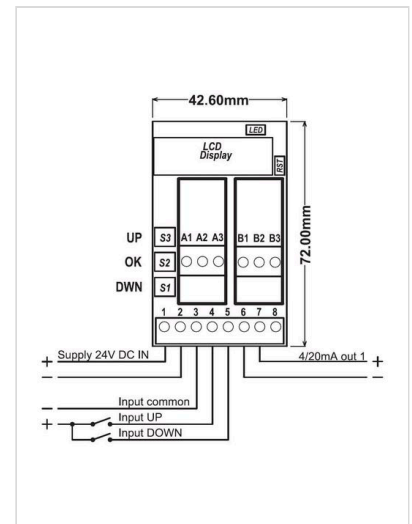
Price on request. Lead time on request. Not in stock? We will make it.

Specifications

Supply	9 to 30 V DC
Input	Two pulse inputs, UP and DOWN, 20 to 50 V DC; high-side or low-side switched
Output	4-20 mA as delivered, 21 mA max.; lower and upper limit adjustable
Isolation	Input, output and supply galvanically isolated from each other
Setup	Display with UP, OK and DOWN buttons
Output travel time	Adjustable: time from 0 to 100 % and back
Minimum pulse width	100 ms min.
Output refresh rate	10 Hz
Ambient temperature	-25 to 55 °C, non-condensing
Dimensions	45 x 83 mm with DIN rail enclosure, 42.6 x 72 mm without
Factory setting	4-20 mA output

Connections

Terminal 1	Supply plus
Terminal 2	Supply minus
Terminal 3	Input common
Terminal 4	UP input
Terminal 5	DOWN input
Terminal 6	Isolated output common
Terminal 7	Isolated 4-20 mA output (plus)
Terminal 8	Not used



Setup

1. Connect the contacts to terminals 4 (UP) and 5 (DOWN). For high-side switched contacts, terminal 3 (common) goes to the minus; for low-side switched contacts, to the plus.
2. Connect the supply and the output according to the terminal table and switch on the supply.
3. Check the inputs: LED 1 lights up on a pulse at UP, LED 2 on a pulse at DOWN.
4. Use Output speed in seconds to set how long the output takes to go from 0 to 100 % and back.
5. Set the lower limit of the output with Output min and the upper limit with Output max: change the value with UP and DOWN and confirm with OK. This lets you set the output to 0-20 mA, for example.
6. The Status menu gives an overview of the converter.
7. Go to the SAVE menu to store the new settings.

More information, price and lead time: www.procircuits.nl/en/products/pr181-x027

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