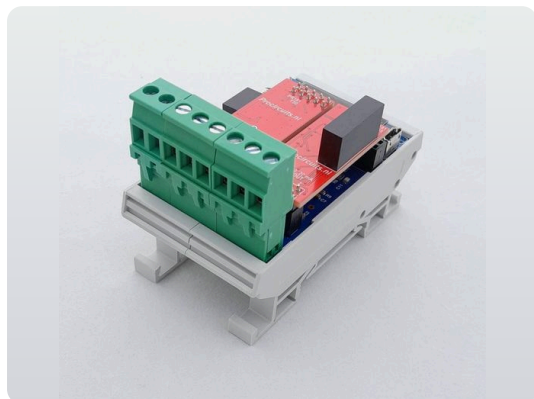


Frequency 0-60 Hz AC to 0-20 mA signal conditioner, isolated, with display

Article number PR181-X016



The PR181-X016 measures the frequency of an AC voltage and converts it into a galvanically isolated 0-20 mA signal: 0 Hz gives 0 mA, 60 Hz gives 20 mA. The input range can be set up to 100 Hz; the lower and upper limits of input and output are set on the display. Input, output and supply are galvanically isolated from each other to prevent ground loops.

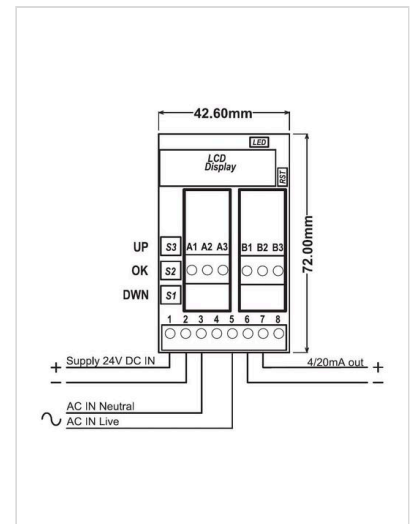
Price on request. Lead time on request. Not in stock? We will make it.

Specifications

Supply	9 to 30 V DC
Input	AC voltage on terminals 3 and 5
Output	0-20 mA as delivered, 0 to 21 mA; lower and upper limit adjustable
Isolation	Input, output and supply galvanically isolated from each other
Setup	Display with UP, OK and DOWN buttons
Frequency range	0 to 100 Hz; 0 to 60 Hz as delivered
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	0 Hz = 0 mA, 60 Hz = 20 mA

Connections

Terminal 1	Supply plus
Terminal 2	Supply minus
Terminal 3	AC input, neutral (N)
Terminal 4	Not used
Terminal 5	AC input, live (L)
Terminal 6	Isolated output common
Terminal 7	Isolated 0-20 mA output (plus)
Terminal 8	Not used



Setup

1. When measuring the frequency of the 230 V AC mains, always place a transformer between the mains and the module.
2. Connect the module according to the terminal table and switch on the supply.
3. Set the lower limit of the input with Hz Minimal and the upper limit with Hz Maximal (100 Hz max.): change the value with UP and DOWN and confirm with OK.
4. Set the lower limit of the output with Output mA Low and the upper limit with Output mA Max, in the same way.
5. Converter status shows the general status of the module.
6. Go to the SAVE menu to store the new settings.

More information, price and lead time: www.procircuits.nl/en/products/pr181-x016

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