

Z SERIES

Z104 - mA - V / Frequency CONVERTER with galvanic separation

Module for conversion of a current or voltage analogue signal into a frequency (pulses) directly proportional to the signal applied. Provided with three-point galvanic separation between input, output and power supply with insulation voltage 1500 Vac.

Widely used as an "integrator" for totalizing, with a pulse counter, flow rate signals generated by meters with analogue output signal.

- **INPUT:** programmable via dip switches for 0 - 20 mA and 4 - 20 mA current (with both active and passive connection) or for 0 - 5 Vdc, 1 - 5 Vdc, 0 - 10 Vdc and 2 - 10 Vdc voltage
- **INTEGRATION CONSTANT** programmable for scale end from 1 pulse every 27 minutes to 10 KHz
- **EXTREMELY SIMPLE CALIBRATION** only requiring the use of an ordinary digital tester



Two signaling LEDs on the front panel indicate power on and output frequency.

The "V0" self-extinguishing glass filled nylon case is the width of 1 DIN module and is designed to fit on 35 mm mounting rail (DIN 46277).

TECHNICAL DATA

- Power supply : 19 - 40 Vdc / 19 - 28 Vac
- Power consumption : max 2,5 W
- Galvanic separation supply // input // output : 1500 Vca
- Linearity : greater than +/- 0,1%
- Stability : 200 ppm / °C
- Calibration : +/- 0,1%
- Outputs :
 - npn open-collector (max. 300 mA 30 Vdc)
 - reed relay with 1 SPST contact (max. 100 mA 30 Vdc-ac on resistive load)
- Input impedance :
 - 100 ohm for current input
 - 1 Mohm for voltage input
- Operating temp. : 0 / + 50 °C (see also [Installation information](#))
- Humidity : 30 / 90% a +40 °C (non-condensing)
- Dimensions (b x h x d) : 17,5 x 100 x 112 mm
- Weight : approx. 200 g.
- [Other general features](#)

ORDERING CODES

Code	Power supply
Z104	24 Vdc-ac

For more info please refer to the operating manual

