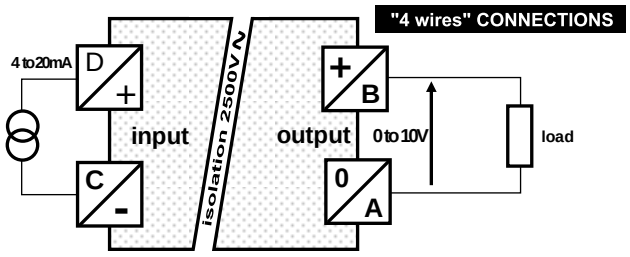
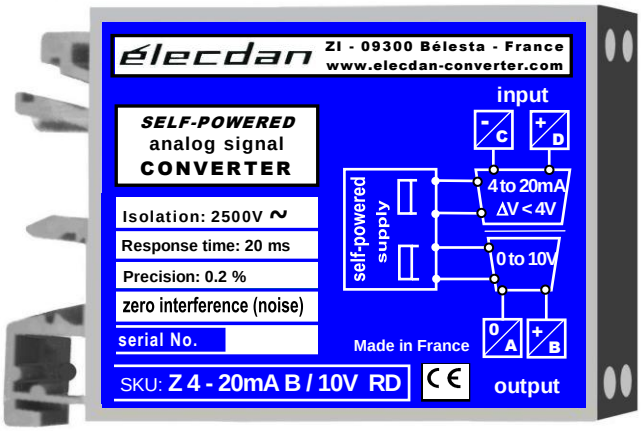
Isolated CONVERTER
self-powered, current ➡ voltage
4 to 20mA ➡ 0 to 10V — Zero interference

ELECDAN Converter

CSA 15
4400

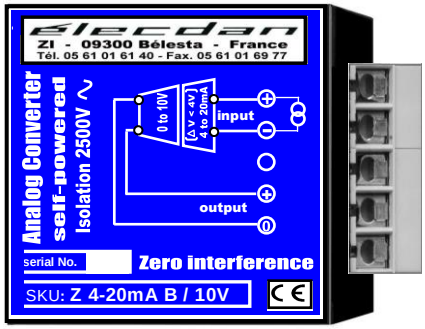
Fully powered on the input current loop and drops less than 3.4 V





Case for DIN rail: 66 x 53 x 12.5 mm
SKU: Z 4-20mA B / 10V RD

Case for PRINTED CIRCUIT: 50.8 x 25.4 x 11 mm
SKU: Z 4-20mA B / 10V CI



Case for WALL mounting: 50.8 x 50.8 x 11 mm
SKU: Z 4-20mA B / 10V P

Not generating any noise interference, this "passive" quadripole converts, isolates and outputs within 0 to 10V analog signals from 4 to 20mA applied to its input.

Input

- **applied signal:** 4 to 20 mA (accidental maximum: 80 mA)
- **ΔV between C and D in the current loop**: < 3.4V

Output

- **output signal**: 0 to 10V
- **load:** ≥ 220 kΩ

Full-scale accuracy
better than 0.2%

Response time

- **regular**: 20 ms
- **upon request**: your choice from 1 millisecond to 10 seconds

Isolation
2500V~

Consumption
only 4 to 20mA of the input current loop

Protections

- against **reversal of connections on the input**
- against **accidental overvoltage on input:** up to 80 mA
- against **overloads and short-circuits**
- **isolation**: ≥ 5000 V~
- **increased reliability** because of no external power supply
- against **vibrations; tropicalisation** with moulding
- **sealing IP67**, except connections
- **elimination of the faulty-contact risk** *(no DIL switch)*
- **negligible temperature rise** *(high performance conversion)*
- **total absence of noise interference**
- **electromagnetic compatibility CEM 89 / 336 / CE**

Temperatures

- **coefficient**: < 2.10^{-4} / °C
- **operation**: -20°C to +60°C
- **storage**: -40°C to +90°C

SKU	Pre-tax price
Z 4-20mA B / 10V RD	
Z 4-20mA B / 10V CI	
Z 4-20mA B / 10V P	

Upon request :

- **Two channels completely isolated in a box for DIN rail (66 x 53 x 12.5 mm or 50.8 x 50.8 x 11 mm).**
- **Both inputs can be connected in series.**