



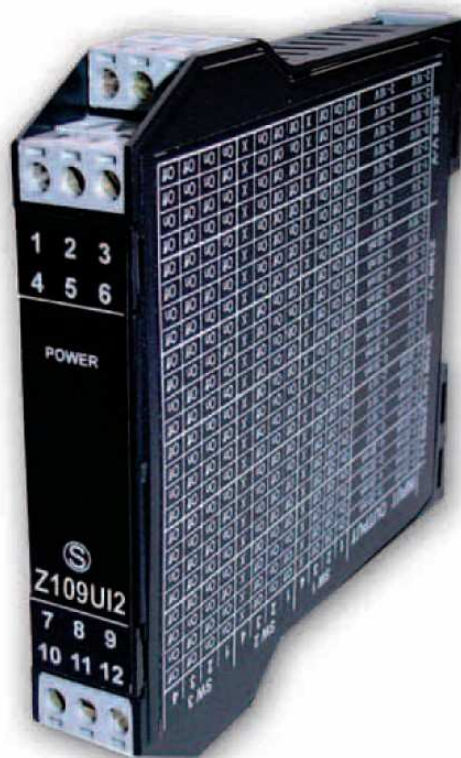
Z-LINE

Z109UI2

DC Current / Voltage Converter

Z-LINE

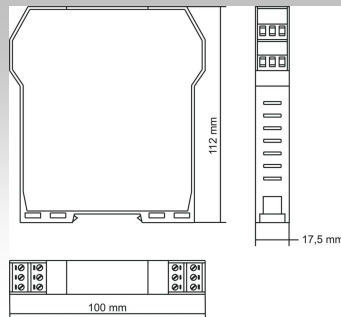
Standard converters



- ▶ INPUT: N.1 Ch. current bipolar selectable up to 20 mA (resolution 1 μ A) or voltage from 100mV up to 20V
- ▶ OUTPUT: N.1 Ch. current 0/4..20 mA or voltage 0/2..10 Vdc
- ▶ Response time: 35ms
- ▶ Power for 2-wire transducers, 20 Vdc
- ▶ Galvanic isolation @ 3-way
- ▶ Power supply: 9..40 Vdc, 19..28 Vac

TECHNICAL DATA

Z109UI2 – DC Current / Voltage Converter



ORDER CODE

Cod. Z109UI2 DC Current / Voltage Converter

GENERAL FEATURES

| | |
|-----------------------|---|
| Power supply | 9÷40Vdc, 19÷28 Vac |
| Channels | N.1 |
| Accuracy | 0,1% |
| Response time | 35 ms |
| Galvanic Isolation | Power supply // input // output at 1500 Vac, digital |
| Resolution | 11 bit |
| Power consumption | 2,5 W |
| Protections | Surges: 400W/ms. Loop supply short-circuit protected |
| Protection for inputs | Except current: 60V continuous; current 200mA continuous. |
| Humidity | 30..90% a +40°C (not condensing) |
| Design | Terminal housing for mounting on 35 mm DIN 46277 |
| DIP Switch | - Inputs signal setup - Output signal setup |

| | |
|-----------------------|--|
| Enclosure | "V0" self-extinguishing glass filled nylon case |
| Dimensions | 17,5 x 100 x 112 mm (w x h x d) |
| Weight | 140 g |
| Operating temperature | -20..60 °C |
| Connections | Plug-in screw clamp terminal blocks, wires up to 2.5 mm ² |
| IP Protection | IP 20 |
| Approvals | EN50081-2 EN50082-2 EN61010-1 |
| Standards | CE |

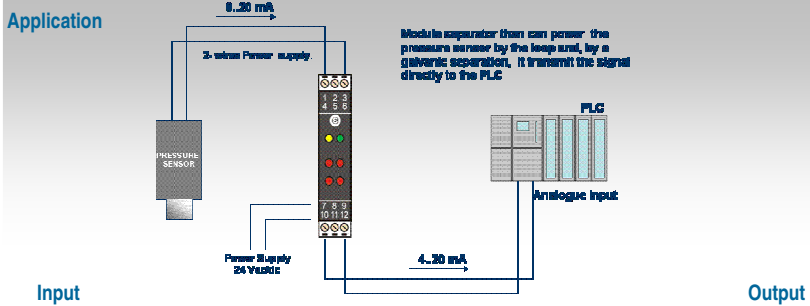
Dip-Switch for input configuration

| | Voltage | | Current | |
|-------|---------|--------|---------|-------|
| | START | END | START | END |
| 1 (*) | (*) | (*) | (*) | (*) |
| 2 | 0 V | 100 mV | 0 mA | 1 mA |
| 3 | 400 mV | 200 mV | 1 mA | 2 mA |
| 4 | 1 V | 500 mV | 4 mA | 3 mA |
| 5 | 2 V | 1 V | -1 mA | 4 mA |
| 6 | -5 V | 5 V | -5 mA | 5 mA |
| 7 | -10 V | 10 V | -10 mA | 10 mA |
| 8 | -20 V | 20 V | -20 mA | 20 mA |

(*) START or END are set in the memory with the programming push-buttons

| SW2 : START and END | |
|---------------------|-----|
| START | END |
| 123 | 456 |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |

DIMENSIONS AND INSTALLATION



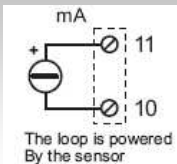
Power supply

| POWER SUPPLY | |
|--------------|--------------------------|
| 2 | 19 + 28 Vac |
| 3 | 10 + 40 Vdc 2.5 W Max |

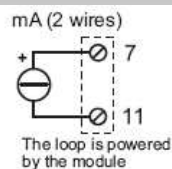
Input

Output

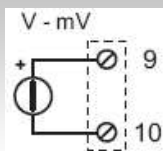
Current – passive input



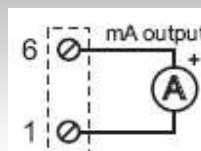
Current – active input



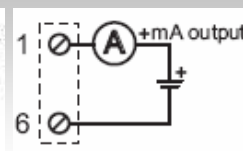
Voltage – input



Current – active output



Current – passive output



Voltage

