

Z-LINE

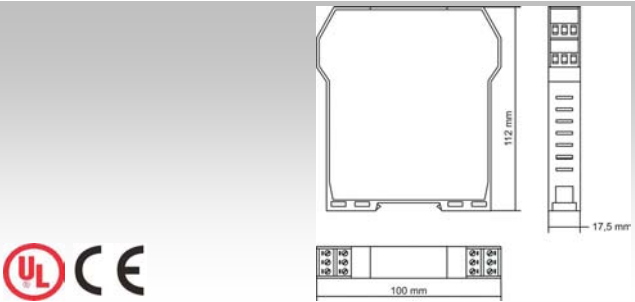
Standard converters



- ▶ INPUT: N.1 channel current 0..20, 4 . 20 mA  
voltage 0..5, 1..5, 0..10, 2..10 Vdc
- ▶ OUTPUTS: N.2 channels selectable in current 0..20,  
4.. 20 mA or voltage 0..5, 1..5, 0..10, 2..10 Vdc
- ▶ ACCURACY: 0,2%
- ▶ Galvanic isolation @ 3-way
- ▶ Screw-fit terminals removable
- ▶ Din rail mounting
- ▶ Power supply: 19..40 Vdc, 19..28 Vac

## TECHNICAL SPECIFICATIONS

### Z170 – DC Signal duplicator



#### ORDER CODE

**Cod. Z170**

#### Notes

The Z170 module **CAN POWER ONLY TWO LOOPS AT TIME**, so if the active connection is used for the input, it can be used for one output only, otherwise if the active connection is used for both outputs, it cannot be used for the input.

#### GENERAL FEATURES

|                    |   |
|--------------------|---|
| Power supply       | 19÷40Vdc, 19÷28 Vac   |
| Channels           | N.1 input N.2 outputs   |
| Status indicators  | Power supply  |
| Galvanic Isolation | Power supply // input // output at 1500 Vac                                   |
| Hot swapping       | Yes   |
| Power consumption  | Max 2,5 W   |
| Protections        | Surges: 400W/ms. Loop supply short-circuit protected.                         |
| Humidity           | 30..90% a +40°C (non condensing)  |
| IP Protection      | IP 20   |
| Accuracy           | Calibration error: 0,2%<br>Thermal drift: 0,02% /°C<br>Linearity error: 0,05% |

|                       |  |
|-----------------------|--|
| Design                | Terminal housing for mounting on 35 mm DIN 46277                     |
| DIP Switch            | -Input signal setup<br>-Outputs 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 | 0..50 °C   |
| Connections           | Plug-in screw clamp terminal blocks, wires up to 2.5 mm <sup>2</sup> |
| Mounting              | 35 mm DIN 46277  |
| Standards             | EN50081-2<br>EN50082-2<br>EN61010-1                                  |
| Approvals             | CE, UL-CSA   |

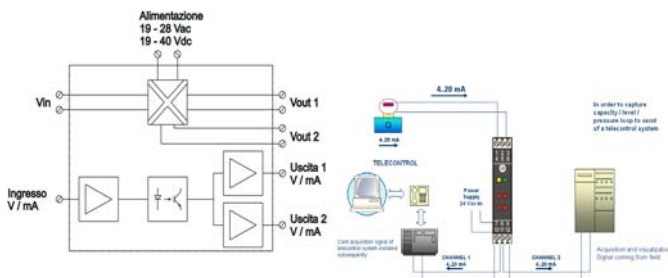
#### INPUT

**Current:** 0 . 20 mA or 4 . 20 mA, both active and passive connection (100 ohm)  
**Active connection :** loop supply voltage approx. 20 Vdc  
**Voltage:** 0 . 5 Vdc, 1 . 5 Vdc, 0 . 10 Vdc and 2 . 10 Vdc, (1 Mohm)

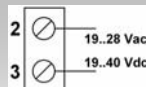
#### OUTPUT

**N.2 channels**  
**Current:** 0 . 20 mA or 4 . 20 mA, both active and passive connection (loop impedance <600 Ohm)  
**Voltage:** 0 . 5 Vdc, 1 . 5 Vdc, 0 . 10 Vdc and 2 . 10 Vdc, (load impedance > 2 KOhm)

#### DIMENSION AND INSTALLATION



#### Power supply



#### Input

#### Output1

#### Output2

