

Z-LINE Z170

DC Current / Voltage duplicator

Z-LINE

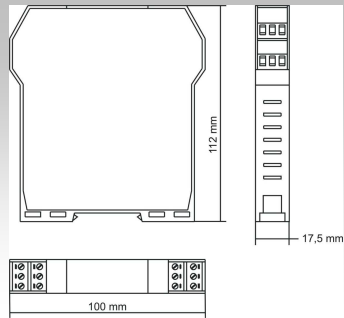
Standard converters



- ▶ 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% Thermal drift: 0,02% /°C Linearity error: 0,05%

Design	Terminal housing for mounting on 35 mm DIN 46277
DIP Switch	-Input signal setup -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 ²
Mounting	35 mm DIN 46277
Standards	EN50081-2 EN50082-2 EN61010-1
Approvals	CE

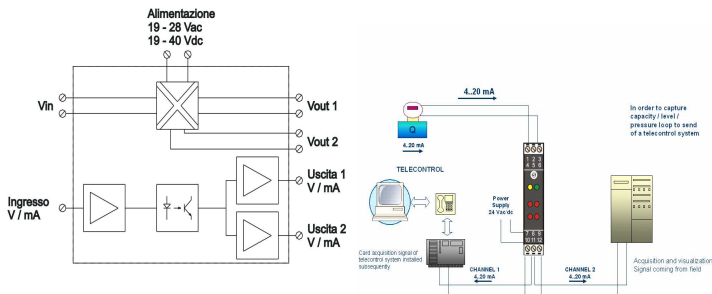
INPUT

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

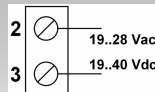
OUTPUT

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

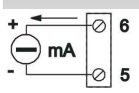


Input

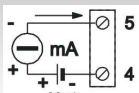
Output1

Output2

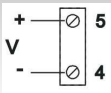
Current with internal loop power supply



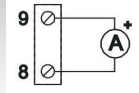
Current with external power supply



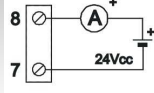
Voltage



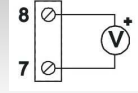
Current – active output



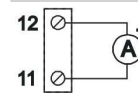
Current – passive output



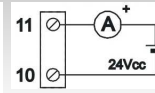
Voltage



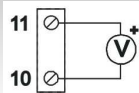
Current – active output



Current – passive output



Voltage



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