

Z LINE • Converters / Isolators 17,5 mm housing

Z170REG

Signal duplicator with universal input



**UNIVERSAL CONVERTER
WITH
DOUBLE ISOLATED
OUTPUT**



**Power supply
Input**

10–40 Vdc or 19–28 Vac (50Hz-60Hz)

Thermocouple (J,K,R,S,T,B,E,N)

RTD (PT100-500-1000-Ni100) with 2,3,4 wire connections

Voltage 0...+10V

Current 0/4...20mA

Potentiometer 1K Ω -100K Ω

Output
Galvanic isolation
A/D resolution
Response time
Configuration

N.2 configurable channels (0..10V, 0/4...20mA)

1,5 Kvac (4-way)

14 bits

11 ms

Dip-switches, PC software



➔ For further information, please visit www.seneca.it

Z170REG

Signal duplicator with universal input



ORDER CODE

Model Z170REG Signal duplicator with universal input

Programming Kit S117P 1 Easy-Z109 software + USB adapter

TECHNICAL FEATURES

GENERAL FEATURES

Power supply	10–40 Vdc or 19–28 Vac (50Hz-60Hz)
Channels number	1 input, 2 outputs
Thermal drift	< 0.01%/°K
A/D Resolution	14 bits
Galvanic isolation	1.5 kVac, 4-way
Removables terminals	Yes
Power consumption	Max 2W
Response time	Configurable between: 11 ms («Fast» rejection=max velocity), 22.66 ms (rejection to 60Hz) or 26 ms (rejection to 50Hz)
Programming	-10..+65°C
Dimensions (wxhxd)	17,5 x 100 x 112 mm
Housing, weight, colour	PBT, 110 g, black
Operating temperature	-10..+65°C
Connections	DIP switches and PC software (EASY_Z109)
Protection degree	IP20
Approvals	CE, EN 61000-6-4, EN 64000-6-2, EN 61010-1

INPUT

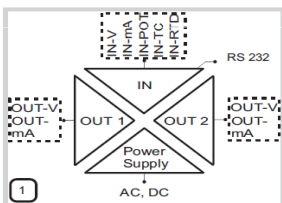
Channels	1
Type	Voltage: Scale range configurable from 0V to 10V. Input impedance: 120kΩ. Current: Scale range configurable from 0 mA to 20mA. Internal shunt: 50W. <u>ACTIVE/PASSIVE</u> Potentiometer: Scale range configurable from 1 kΩ to 100kΩ (with parallel resistor R= 330 Ω to connect externally). Thermocouple: for TC type J, K, R, S, T, B, E, N. Thermoresistance: RTD type, PT100, PT500, PT1000, NI100. Resistance measure (for 2,3,4 wire sensors)

OUTPUT

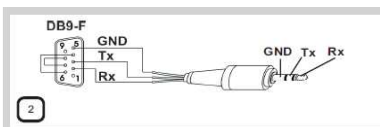
Channels	N.2
Type	Voltage: Configurable in the range 0-10 V (min resistance that can be connected: 20kΩ) Current: Configurable in the range 0/4-20 mA (max resistance that can be connected: 600 Ω, max 13V). <u>ACTIVE/PASSIVE</u>
A/D Resolution	14 bits

INSTALLATION, CONNECTION, DIMENSIONS

ISOLATION



PROGRAMMING CABLE



INPUT / OUTPUTS / POWER SUPPLY

