

K LINE • Converters / Isolators

6,2 mm housing

K121

Universal Converter (RTD, TC, Ohm, mA, V) to 4..20mA (loop powered)



ALL-IN-ONE
LOOP POWERED
CONVERTER

CE

Power supply
Universal Input

7..30 Vdc
Thermocouple (J,K,R,S,T,B,E,N)
RTD (PT100-500-1000-Ni100) with 2,3,4 wire connections

Voltage -150...+150mV, -30...+30V

Current -24...+24mA

Potentiometer 500 Ω -10 KΩ

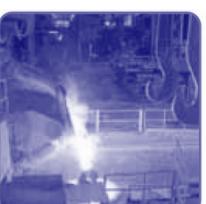
Resistance up to 1760 Ω

Output 4..20 mA (loop powered)

Galvanic isolation 1,5 kVac

Configuration Through EASY-LP software (s117p)

Operating temperature -20..+65 °C



For further information, please visit www.seneca.it

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ORDER CODE

Model **K121** Universal Converter (RTD, TC, Ohm, mA, V) to 4..20mA (loop powered)

Programming Kit **S117P** Easy-LP software + USB adapter

TECHNICAL FEATURES

GENERAL FEATURES

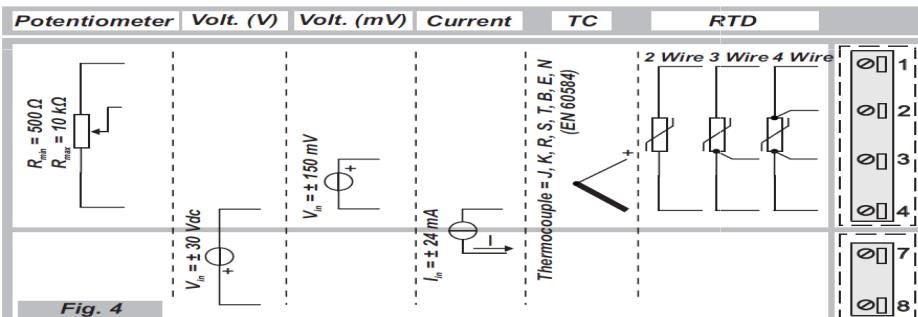
Power supply	7..30 Vdc
Power consumption	< 660 mW
Channels number	1 input, 1 outputs
Galvanic isolation	1.5 kVac, 2 ways
Power supply on side terminals	Yes
Programming	Via Easy-LP program, using S117P (USB adapter)
Dimensions (wxhxd)	6.2 x 93.1 x 102.5 mm
Operating temperature	-20..+65°C
Connections	Spring clamps (EN 60175)
Approvals	CE, EN 61000-6-4, EN 64000-6-2, EN 61010-1

INPUT

Channels	1
Potentiometer	From 500Ω to 10 kΩ, Input impedance 10 MΩ
Thermocouple	Type J,K,R,S,T,B,E,N, Input impedance 10 MΩ, cold junction compensation -40 ..65 ± 1.5°C Settable, fault sensor detection settable
RTD / Resistance	Type PT100-500-1000-Ni100 with 2,3,4 wire connections, Excitation current 375 µA
Voltage (mV)	-150...+150 mV, Input impedance 10 MΩ
Voltage (V)	-30...+30 V, Input impedance 200 kΩ
Current	-24...+24 mA, Input impedance 40 Ω

SCHEMES, PROGRAMMING

INPUTS



OUTPUT & POWER SUPPLY

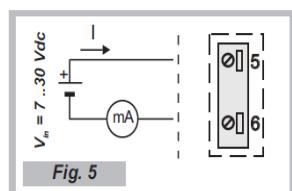
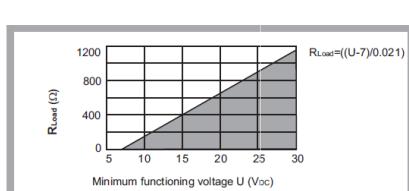


DIAGRAM: LOAD RESISTANCE VS VOLTAGE



EASY-LP SOFTWARE SCREENSHOTS



CONFIGURATION

