

SINEAX TP619

Potentiometric Signal Converter

Potentiometric to DC isolating amplifier



Features / Benefits

- Input: – Resistor
– Rheostat
– Potentiometer
- Output: Current or voltage
- Accuracy: 0.2%
- 3-way galvanic isolation
- Screw-fit terminals (removable)
- DIN rail mounting
- Power supply: 19 ... 40 V DC, 19 ... 28 V AC



General Data

Power supply	19 ... 40 V DC, 19 ... 28 V AC
Accuracy	< 0.2%
Status indicators (LED)	Power
Galvanic isolation	Power supply / input / output at 1500 V AC, digital
Hot swapping	Yes
Power consumption	2.5 W
Installation class	2
Humidity	Up to 90% at + 40 °C (not condensing)
Conformity	CE
Housing	Terminal housing for mounting on 35 mm DIN 46277. "V0" self-extinguishing glass filled nylon case
Response time	60 ms
DIP Switch	– Input signals setup – Output signal setup
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
IP protection	IP 20

Input Data

Resistance with connection	Rheostat (2-wire), ranges 0 ... 300 Ω (I = 6 mA), 0 ... 500 Ω (I = 3.6 mA) and 0 ... 1 kΩ (I = 1.8 mA)
	Resistance with connection to potentiometer (3 wires) (Vref = 1.8 V DC)

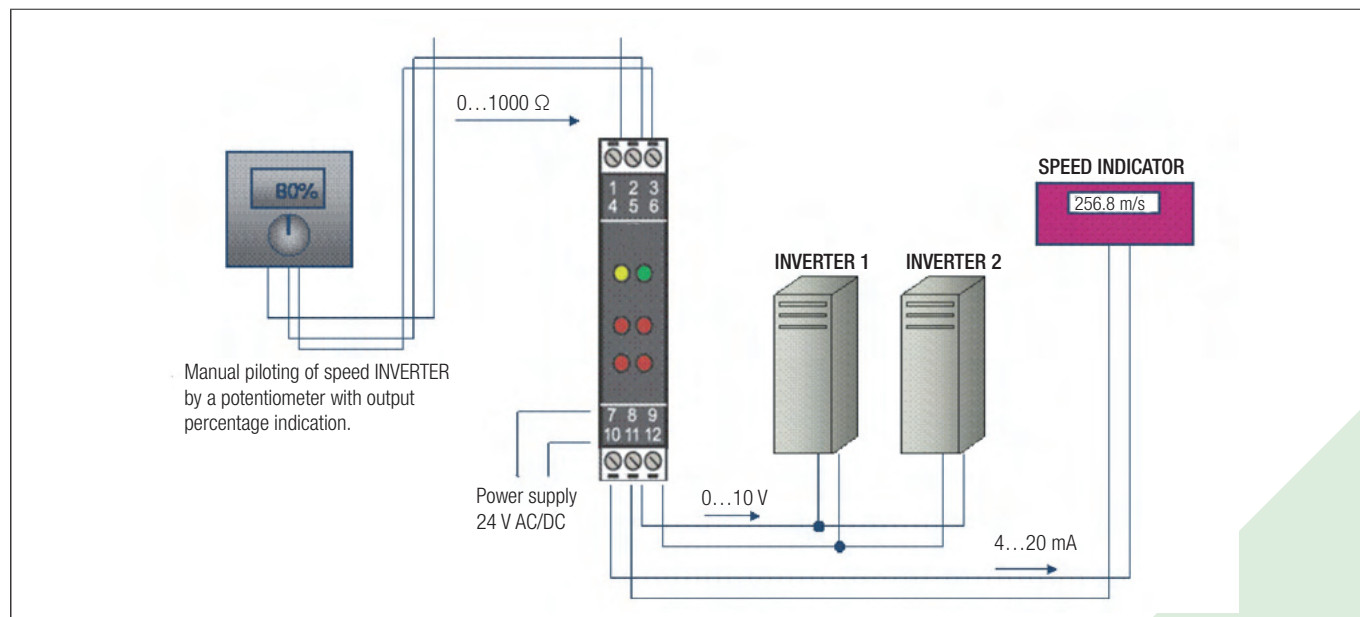
Output Data

Current	0 ... 20 mA, 4 ... 20 mA Higher load resistance: 600 Ω
Voltage	0 ... 5 V DC, 1 ... 5 V DC, 0 ... 10 V DC and 2 ... 10 V DC Lower load resistance: 2.5 Ω

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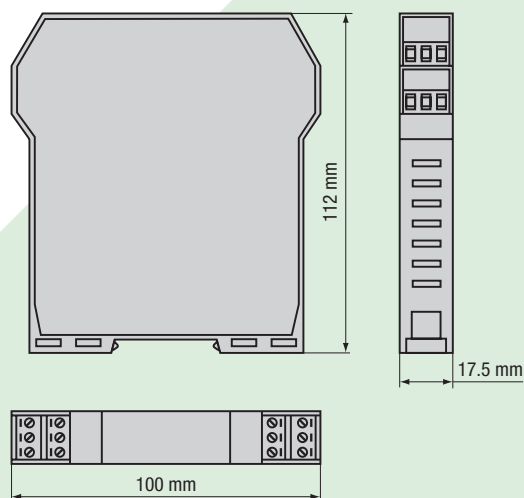
Application



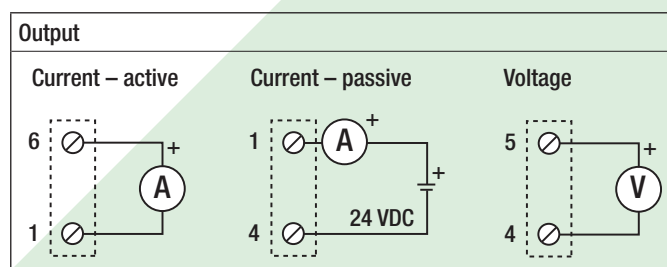
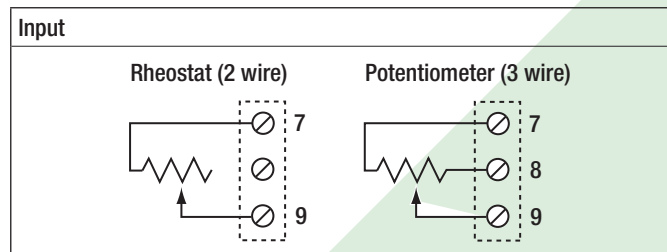
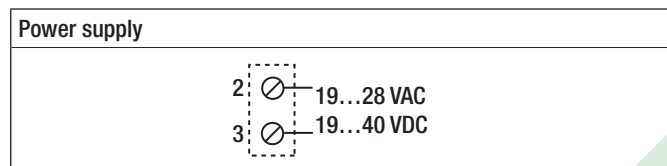
Order Code

Description	Code
Potentiometric signal converter	162 876

Dimensional drawing



Electrical connections



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