

SINEAX TVD820

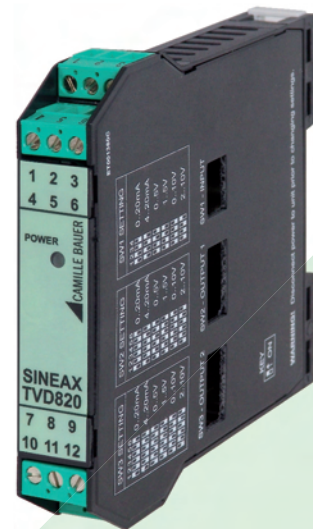
Isolating Amplifier

DC-signal duplicator (current/voltage)



Features / Benefits

- Input: Current and voltage
- Outputs: Selectable in 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
Status indicators (LED)	Power supply
Galvanic isolation	Power supply / input / output at 1500 V AC
Power consumption	Max. 2.5 W
Humidity	Up to 90% at + 40 °C (not condensing)
IP protection	IP20
Accuracy	Calibration error: 0.2% Thermal drift: 0.02% / °C Linearity error: 0.05%
Housing	Terminal housing for mounting on 35 mm DIN 46277. "V0" self-extinguishing glass filled nylon case
DIP Switch	Input signal setup Output signals 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 damp terminal blocks, wires up to 2.5 mm ²
Conformity	CE

Input Data

Current	0 ... 20 mA or 4 ... 20 mA, both active and passive connection (100 Ω) Active connection: loop supply voltage approx. 20 V DC
Voltage	0 ... 5 V DC, 1 ... 5 V DC, 0 ... 10 V DC and 2 ... 10 V DC, (1 MΩ)

Output Data

2 channels

Current	0 ... 20 mA or 4 ... 20 mA, both active and passive connection (loop impedance < 600 Ω)
Voltage	0 ... 5 V DC, 1 ... 5 V DC, 0 ... 10 V DC and 2 ... 10 V DC, (load impedance > 2 kΩ)

Order Code

Description	Code
DC signal duplicator	162 909

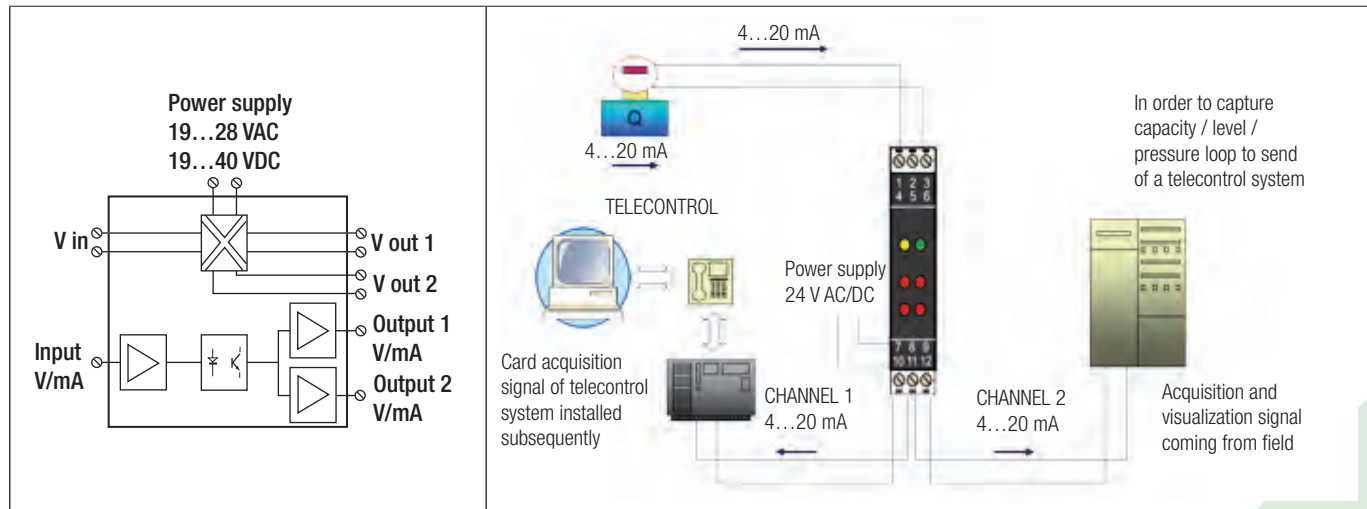
Notes!

The SINEAX TVD820 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.

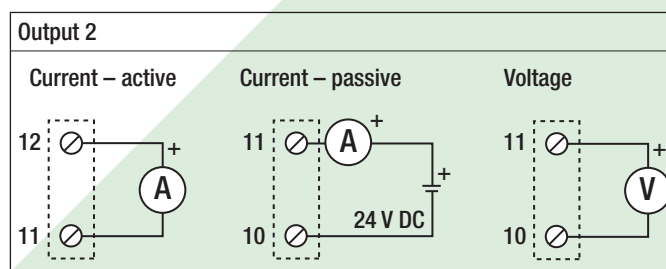
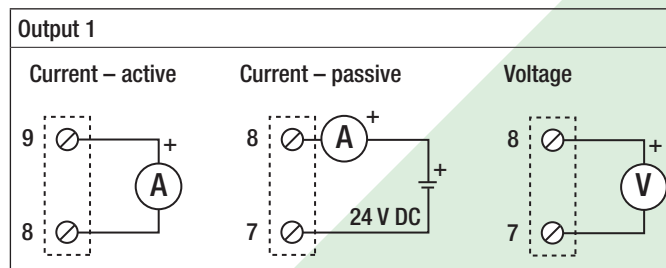
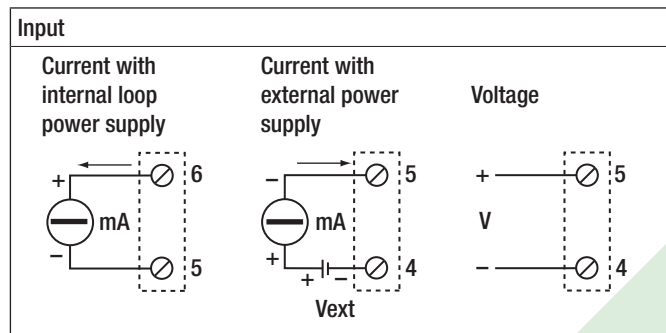
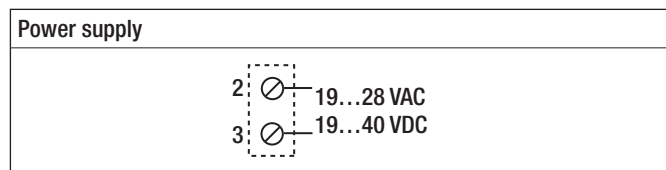
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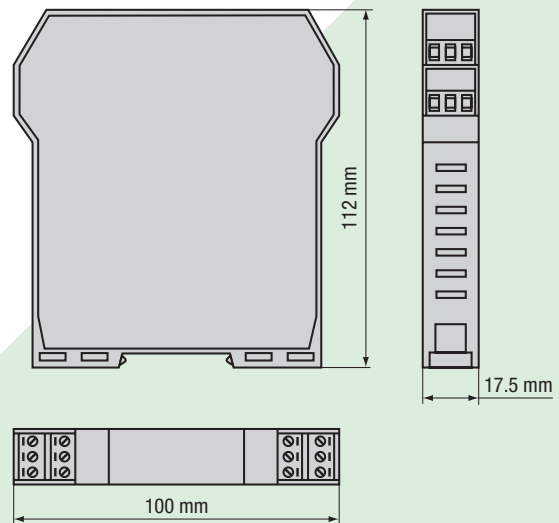
Dimension and Installation



Electrical connections



Dimensional drawing



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