

Z-LINE Z201

AC Current Converter

Z-LINE

Electric parameters converters



- ▶ INPUT:N.1 channel current 0..5 Aac or 0..10 Aac
- ▶ OUTPUT:N.1 channel current 0..20, 4 . 20 mA or voltage 0..10, 2..10 Vdc
- ▶ Galvanic isolation @ 3-way:
 - 3,75 kVac between input and power supply/output
 - 1,5 kVac between power supply and output
- ▶ High accuracy: better than 0,3%
- ▶ Screw-fit terminals removable
- ▶ Din rail mounting
- ▶ POWER SUPPLY: Z201: 9..40 Vdc, 19..28 Vac
Z201-H: 85..265 Vac/Vdc



PLCs



Acquisition



Instruments



Data logger



Power



HMIs



Switches



Motion



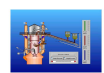
Sensors



Converters



Keyboards



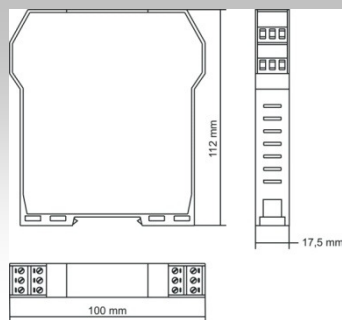
SCADA



Telemetry

TECHNICAL DATA

Z201 – AC Current Converter



ORDER CODES

| Code | Description | |
|--------------|---------------|-------------------------------------|
| Model | Z201 | Power Supply 19..40 Vdc, 19..28 Vac |
| | Z201-H | Power Supply 85-265 Vac/Vdc |

GENERAL FEATURES

| | |
|---------------------------|---|
| Power supply | 10÷40Vdc, 19÷28 Vac, 85-265 Vac/Vdc |
| Channels | N.1 |
| Accuracy | 0,3% |
| Status indicators | Power |
| Galvanic Isolation | Galvanic isolation @ 3-way: 3,75 kVac between input and power supply/output and 1,5 kVac between power supply and output circuits |
| Hot swapping | Yes |
| Power consumption | 2,5 W |
| Sampling frequency | 5 samples / second |
| Protections | Surges: 400W/ms. Loop supply short-circuit protected |
| Installation class | III, it can be applied on a three-phase network of up to 500V AC phase-phase, 300V AC phase-ground |
| Humidity | 30..90% a +40°C (not condensing) |

| | |
|------------------------------|--|
| Design | Terminal housing for mounting on 35 mm DIN 46277 |
| Admitted overload | 12A continuative, 30A for 1 s |
| DIP Switch | Inputs 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 | -10..+65 °C |
| Connections | Plug-in screw clamp terminal blocks, wires up to 2.5 mm ² |
| IP Protection | IP 20 |
| Standards | EN50081-2 EN50082-2 EN61010-1 EN60742 |

Approvals CE

INPUT

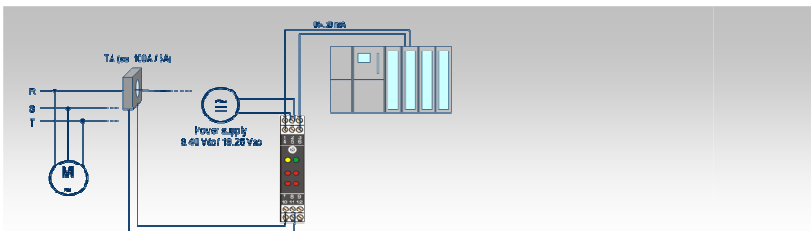
Alternate Current
-0.5Aac end scale current input

OUTPUT

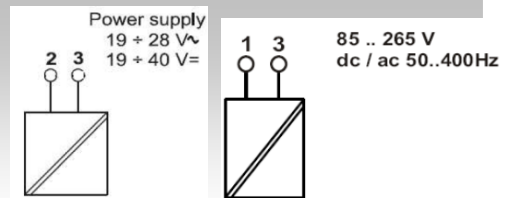
Current: 0..20 mA, 4..20 mA
Higher load resistance: 600 Ohm
Voltage: 0..5 Vdc, 1..5 Vdc, 0..10 Vdc and 2..10 Vdc
Lower load resistance: 2,5 KOhm

DIMENSIONS AND INSTALLATION

Application note



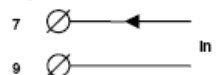
Power supply



Input

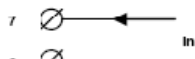
0..5 Aac

Input for $I_n < 5 A$



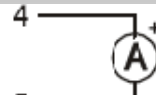
0..10 Aac

Input for $I_n < 10 A$

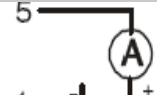


Output

Current – active output



Current – passive output



Voltage

