

Z LINE • Converters / Isolators

17,5 mm housing

Z202-LP

AC / DC voltage to DC isolator / converter, loop powered



DC & AC VOLTAGE CONVERSION



Power supply	loop power supply (5..28Vdc)
Input	0..500 Vac - 0..540 Vdc with different range (field selectable)
Output	4...20mA
Galvanic isolation	4,0 kVac
Maximun Voltage	710 Vpk range independent
Frequency	DC / 20 Hz .. 400 Hz
Precision Class	0,3
Response time	< 100 ms from 10 to 90 %
Dimensions	17,5 x 100 x 112 mm [w x h x d]
Operating temperature	- 20..+65 °C



TR AUTOMATYKA Sp. z o.o.

ul. Lechicka 14
02-156 Warszawa
email: biuro@trautomatyka.pl

tel.: +48 22 886 10 16
fax: +48 22 846 50 37

Z202-LP

AC / DC voltage to DC isolator / converter, loop powered



ORDER CODE

Model **Z202-LP** AC / DC voltage to DC isolator / converter, loop powered

TECHNICAL FEATURES

GENERAL FEATURES

Power supply	5±28Vdc
Channels	N.1
Accuracy	0,3%
Status indicators	Power
Galvanic Isolation	4000 Vac
Hot swapping	Yes
Response time	< 100 ms
Overvoltage class	- CAT III up to 300 Vac towards ground. - CAT II up to 600 Vac towards ground.
Humidity	30..90% a +40 °C (non condensing)
Approvals	CE

Design	Terminal housing for mounting on 35 mm DIN 46277
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	-20..65 °C
Connections	Plug-in screw clamp terminal blocks, wires up to 2.5 mm ²
IP Protection	IP 20
Standards	EN60688/1997 + A1 + A2 EN61000-6-4/2002-10 EN61000-6-2/2006-10 EN61010-1/2001

INPUT

- **Alternate Voltage:** 0..500 Vac
- **Direct Voltage:** 0..540 Vdc
Are available N.5 presetted scales: each range can be set and extended to the next one, and it's possible to calibrate the instrument on any intermediate point in the continuous range of 0..500 V, without either over-setting the fixed ranges, or opening the instrument (multi-rev trimmer accessible from front panel).

OUTPUT

Current: Passive, 4..20 mA

INSTALLATION, CONNECTION, DIMENSIONS

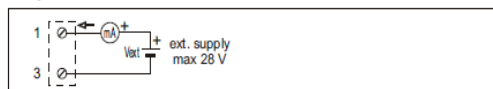
SETTINGS

Range	DIP	Range / Trimmer	DIP
100Vac / 90 Vdc	on off	100 Vac + 0..100 Vac / 90 Vdc + 0..90 Vdc	on off
200Vac / 180 Vdc	on off	200 Vac + 0..100 Vac / 180 Vdc + 0..90 Vdc	on off
300Vac / 270 Vdc	on off	300 Vac + 0..100 Vac / 270 Vdc + 0..90 Vdc	on off
400Vac / 360 Vdc	on off	400 Vac + 0..100 Vac / 360 Vdc + 0..90 Vdc	on off
500Vac / 450 Vdc	on off	500 Vac + 0..100 Vac / 450 Vdc + 0..90 Vdc ⁽¹⁾	on off

(1): Maximum input voltage must not exceed 500 Vac o 710 Vpk anyway.

INPUT / OUTPUT (POWER SUPPLY)

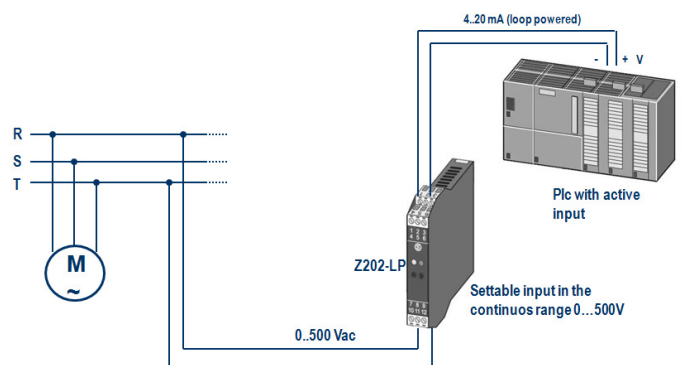
Loop connections



Voltage input connections



APPLICATION EXAMPLE



TR AUTOMATYKA Sp. z o.o.

ul. Lechicka 14
02-156 Warszawa
email: biuro@trautomatyka.pl

tel.: +48 22 886 10 16
fax: +48 22 846 50 37