Serie Z PC



Z-LOGGER

multiprotocol datalogger

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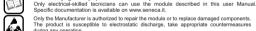
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1 PRELIMINARY WARNINGS Before carrying out any operation it's mandatory to read all the content of this user Manual.



Only the Manufacturer is authorized to repair the module or to replace damaged components. The product is susceptible to electrostatic discharge, take appropriate countermeasures



No warranty is guaranteed in connection with faults resulting from improper use, from modifications or repairs carried out by Manufacturer-unauthorized personnel on the module, or if the content of this user Manual is not followed.

2 DESCRIPTION AND CHARACTERISTICS

2.1 Module description

•The Z-LOGGER is an multiprotocol device with high performance integrated I/O for acquire and store data from wireless network. Z-LOGGER can send and receive measure, command and alarn

2.2 General characteristics

- Power supply 11-40 V = : 19-28 V > 50-60Hz may 6 5 W
- 2 backup Batteries AAA 1.2 V rechargeable, NiMh
- 1500 V∼ insulation between power supply and other circuits. Quick mounting on DIN 46277 rail
- LEDs signalling Digital Inputs, Digital Outputs and Ethernet.
- 4 Digital Inputs 2 Analog Inputs (configurable in voltage/current, at 16 bit)
- 2 Digital Output (free contacts relays) Ethernet RJ45 front 10/100 Mbps
- 2 Ports RS485
- 1 MiniUSB type B port
 4 Totalizers at 32 bit
- 4 Resettable counters at 32 bit
 128 kB RAM memory Micro SD additional storage memory up to 32 GB
- Standard Standard Storage Memory
 Standard Storage Memory
 ARM processor, 100 MHz, 32 bit
- Real Time multitasking O.S.

Output type

Maximum voltage

3 TECHNICAL SPECIFICATIONS

3.1 Digital inputs	
Number of channels	4
Input type	PNP / NPN Configurable
Auxiliary voltage supply	12 V m
Supply current	20 mA
Maximum frequency	30 Hz
Absorbed current	3mA
3.2 Digital outputs	
Number of channels	2

250 V~

SPDT Relays (free contacts)

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Power Supply

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mA / Vm, configurable

YES, 40V / 25mA

16 hit

port#1, rear

Mini B. side

6.5 W

port#2, M10..12

0 - 30 V accuracy 0.1% of full scale

0 - 20 mA accuracy 0,1% of full scale

10/100 baseT_R.I45 on front with autoswitch

microSD and microSDHC, MAX 32 GB

From -10 to + 50°C // (From -10 to + 40°C)

From-20 to + 85°C // (From -20 to + 45°C < 6month)

Electromagnetic emission, industrial environment.

Electromagnetic immunity, industrial environment.

Safety of information Technology Equipment.

→ Digital Inputs

Analog Inputs

Digital Outputs

Comunication Ports

11 - 40 Vm : 19. 28 V~ 50-60Hz

30 - 90% to 40°C not condensing

100 x 111 x 35 mm, 280g PBT, black

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Fig. 1b

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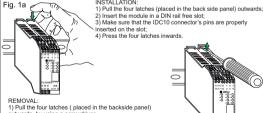
4 PRELIMINARY INSTRUCTIONS FOR USE The module is designed to be installed on DIN 46277 rail in vertical position

It is forbidden to place anything that could obstruct the ventilation slits It is forbidden to install the module near heat sources. «Severe operating conditions» are defined as follows: -high power supply voltage: exceed 30Vm or exceed 26V~; -the module power the input sensor.

If the modules are installed side by side, **Separate them by at least 5 mm** in the following cases:

- The operating temperature exceed 45°C and at least one of the severe operating conditions exist; - The operating temperature exceed 35°C and at least two of the severe operating conditions exist

4.1 Installation and removal on DIN 46277 rail

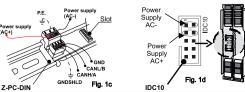


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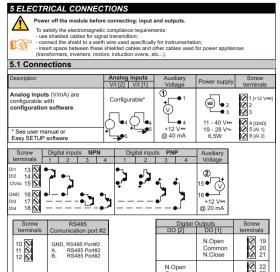
outwards, by using a screwdriver 2) Pull out the module from rail gently.

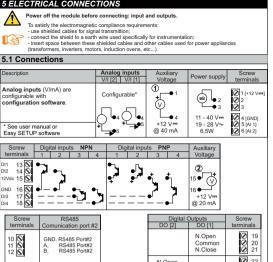
4.2 Use Z-PC-DINAL accessory

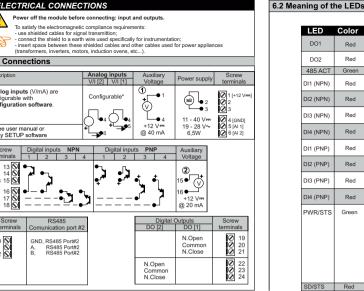
- It's important to insert the pins on the slot properly because IDC10-connector is polarized; This connection is facilitied by use of a female/male insertion between IDC10 connector and DIN rail slot (Fig. 1 c e Fig.1 d).

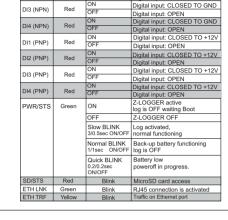


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Digital output, relay not excited

Digital input: CLOSED TO GND

Digital input: CLOSED TO GND

Digital output, relay excited

RS485 Activity

Digital input: OPEN

Digital input: OPEN

DO1

DO2

485 ACT

DI1 (NPN)

DI2 (NIPNI)

Red

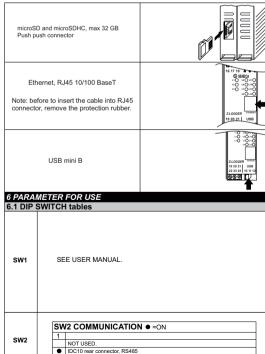
Red

Red

Red

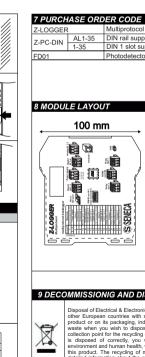
ON

OFF



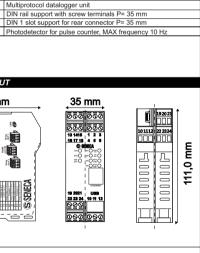
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9 DECOMMISSIONIG AND DISPOSAL



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Disposal of Electrical & Electronic Equipment (Applicable throughout the European Union and Dispusar of electrical as Electronic Equipment (Applications throughout the European Countries with separate collections programs). This symbol, found on your product or on its packaging, indicates that this product should not be treated as household waste when you wish to dispose of it. Instead, it should be handed over to an applicable collection point for the recycling of electrical & electronic equipment. By ensuring this product conection point for the tecycning of each are a reaction as equations equipment, as instituted in sis disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate disposal of this product. The recycling of materials will help to conserve natural resources. For more detailed information about the recycling of the product, please contact your local city office. he waste disposal service or the retail store where you purchased this product.

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