

Technical Data Sheet

Counting Controller



1 Introduction

- 1.1 Technical Data Sheet - user manual of counting controller designed to familiarize with the device requirements for installation and operation.

2 Description

- 2.1 The counting controller is designed for the real-time monitoring of inductive loops and Infrared barriers parameters.

3 Technical characteristics

3.1 Electrical characteristics

- Supply voltage 12 – 24 VDC
- Current 0.15 – 1 A
- Power consumption 12 W

3.2 Inputs

- Number of inputs 8
- Input type Discrete
- Input voltage 12 – 24 VDC
- Galvanic isolation No

3.3 Outputs

- Number of outputs 7
- Output type Relay(NC/NO)
- Max. current of output 5A max(resistive load),
- 1A max(inductive load)

3.4 Interfaces

- Type Ethernet
- Ethernet ports 3
- Max. number of devices in system 128

3.5 Indication

- Status LED Green
- Ethernet status LED Green/Yellow

3.6 Working environment

- Work temperature -40°C+70°C
- Humidity 20%95%

3.7 Mounting type and dimensions

- Housing type Modular
- Mounting method Din rail
- Dimensions (mm) 101 x 119 x 45 mm
- Weight 500 g

- Colour

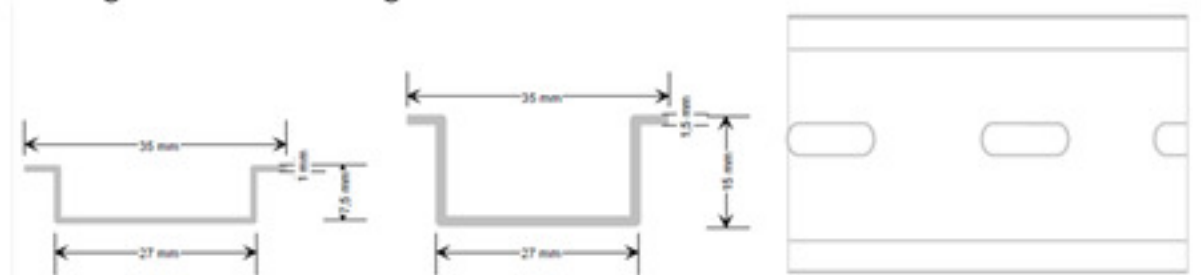
Green

4 Operating principles of the zone controller

- 4.1 Counting controllers are interconnected over a 100 Mbit Ethernet network. The device operates as a standalone 3-port Ethernet switch, so they can be connected in series, one after the other. The counting controller has 8 freely programmable discrete inputs and 7 outputs and can be connected to the other control systems.
- 4.2 To reboot zone controller press RESET button.
- 4.3 To reset to factory settings and default IP (192.168.1.32), press RESET button and hold it for more than 10 seconds.

5 Installation

Counting controller mounting to DIN-RAIL.



6 Maintenance

Zone controller is NOT protected against dust. Avoid dust accumulation in device.

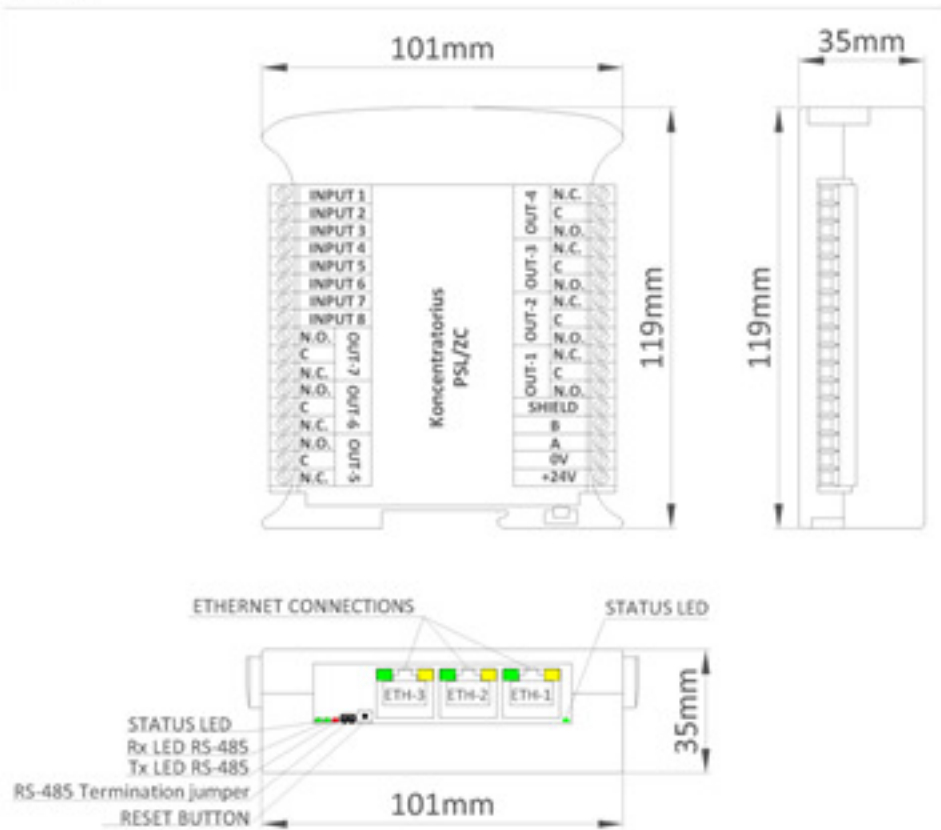
7 Warranty

The manufacturer guarantees the sensor within 24 months from the date of purchase under normal use.

8 Operating mode indicators

Power of the device is ok – Status LED on.

9 Connection



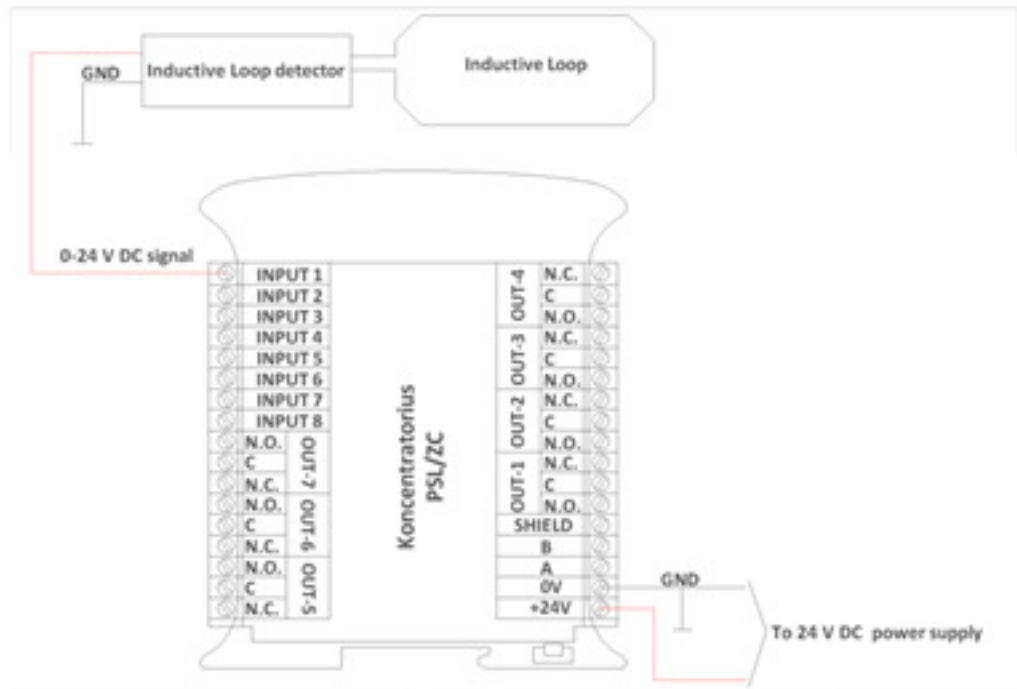
Pic. 1 Connection diagram.



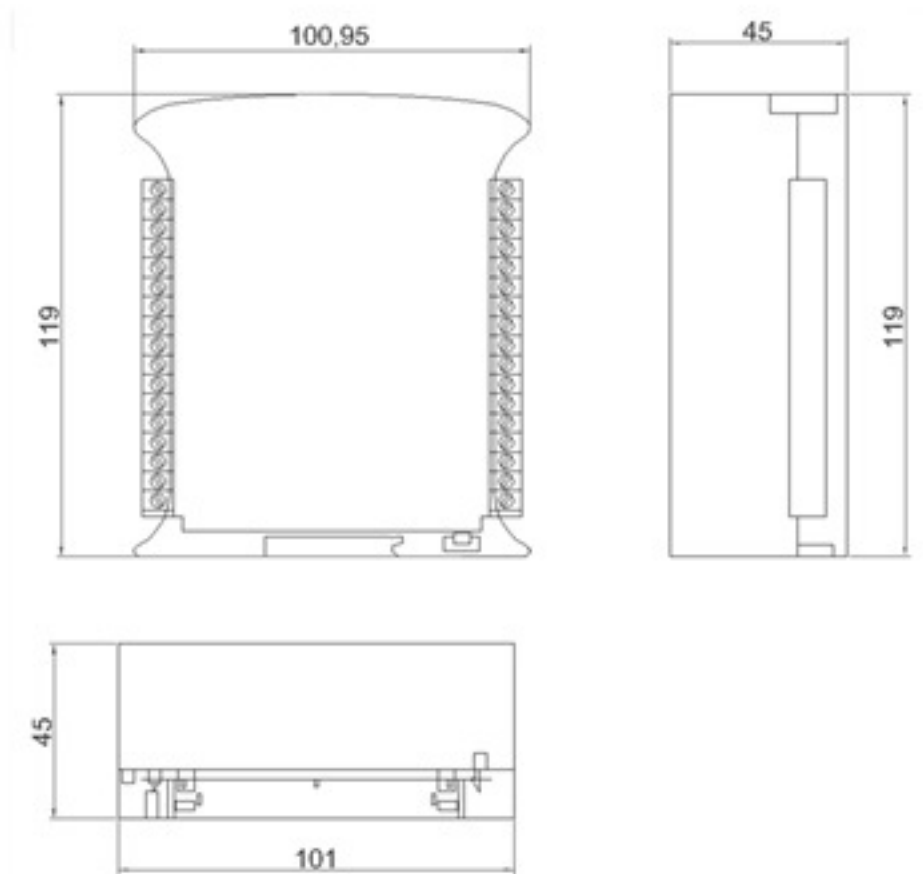
Pic. 2 Connections of counting controller. Front view.



Pic. 3 Connections of counting controller. Side view.



Pic. 4 Counting controller inductive loop connection diagram



Pic. 5 Dimensions (mm).

1 Table Counting controller pin assignment

No.	Counting controller connection
1-8	Digital inouts 1-8
9,10,11	OUTPUT OUT-7 , relay C, N.C., N.O. 9
12,13,14	OUTPUT OUT-6 , relay C, N.C., N.O.
15,16,17	OUTPUT OUT-5 , relay C, N.C., N.O.
18,19,20	OUTPUT OUT-4 , relay C, N.C., N.O.
21,22,23	OUTPUT OUT-3 , relay C, N.C., N.O.
24,25,26	OUTPUT OUT-2 , relay C, N.C., N.O.
27,28,29	OUTPUT OUT-1 , relay C, N.C., N.O.
30	Shield (RS-485) (Not used in counting controller)
31	B (RS-485) (Not used in counting controller)
32	A (RS-485) (Not used in counting controller)
33	Power supply 0V DC
34	Power supply +24V DC
35	Status LED 1 (Power on)
36	Rx LED (RS-485) (Not used in counting controller)
37	Tx LED (RS-485) (Not used in counting controller)
38	RS-485 terminator (Not used in counting controller)
39	Reset/default settings button
40	Status LED 2

10 Information about manufacturer

