



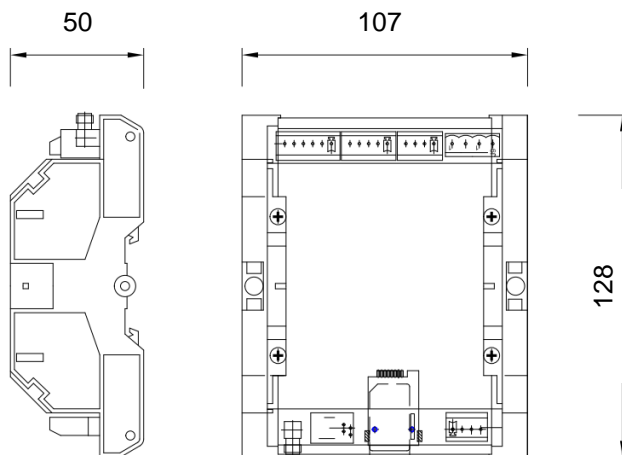
## Overview

- Datalogger with records timestamp (RTC, Real Time Clock) synchronized through NTP protocol
- RS232, RS485, USB, GSM/GPRS communication
- Up to 3 analog inputs (current, voltage, resistance or temp. probe)
- Up to 4 digital inputs (contact, impulse counter, alarm)
- FTP client able to send periodic data in csv file format
- Fully-configurable SMS alarm reporting
- Low Power mode
- Galvanic isolation between power supply and interfaces.
- Remote configuration and updates through GSM/GPRS
- Protocols supported: Modbus RTU, Modbus TCP/IP

## Characteristics

<p><b>General</b></p> <p>Power supply: 9 – 36Vcc          Overvoltage protection: &gt;1000V (max. 5 sec)          Consumption: &lt;10 VA          Internal battery: 3.7V 500 mAh          External battery: Battery charging current up to 200mA, acid or gel 12V battery (battery is not supplied with device). 7Ah battery can operate about 72 hours.</p> <p><b>Specifications</b></p> <p>CPU: ARM7 (55MHz)          GSM/GPRS: 3 bands 900/1800/1900 MHz          Flash: 8 MB, up to 5 years storage.</p> <p><b>Interfaces</b></p> <p>RS232: Up to 15m distance, speed up to 38400 bps          RS485: Up to 1.2 km distance, speed up to 38400 bps          USB: type B, ver. 2.0</p> <p><b>Digital inputs</b></p> <p>Digital inputs. 4 inputs (sink contact)</p> <p><b>Analog inputs</b></p> <p>Current: 0/4-20mA          Voltage: 0-10V          Temperature: PT100 or PT1000</p> <p>Accuracy: 0.025 % f.s.          Quantify error: ± 2 LSB</p> <p><b>Protocols</b></p> <p>Modbus RTU, Modbus TCP/IP</p>	<p><b>LED Indication</b></p> <p>Power supply          Read/write of each port          GSM/GPRS connection status          On/Off status of each digital input</p> <p><b>Working conditions</b></p> <p>Working temperature: -25 .. +60°C          Storage temperature: -40 .. +60°C          Humidity range: 5 – 95%, w/o condensation</p> <p><b>Regulatory approvals</b></p> <p>EN 55022:2000+A1+AC:2002+A2:2003          EN 55024:2000+A1:2003+A2:2003          EN 61000-4-2+A1+A2:2002          EN 61000-4-3+A1:2004          EN 61000-4-4:2005          EN 61000-4-5:2002+A1:2003          EN 61000-4-6:2002+A1:2003</p> <p style="text-align: right;"><b>CE</b></p> <p><b>Physical characteristics</b></p> <p>Dimensions: 107x128x50 mm          Weight: 275 g          Material: PC/ABS          Protection type: IP20</p> <p><b>Mounting</b></p> <p>DIN rail</p> <p><b>Other features</b></p> <p>Made in EU</p>
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Dimensions (mm)



Ordering code

Model	Interface	Interface	Interface	Interface	Analog input	Analog input	Analog input	Digital input	Battery mode
702 . 035 .	A	B	C	D .	E .	F .	G .	H .	I

- 0 – None
- 1 – GSM/GPRS modem
- 0 – None
- 1 – RS485
- 2 – RS232
- 0 – None
- 1 – RS485
- 2 – RS232
- 4 – USB
- 0 – None
- 1 – 1 analog input (current)
- 2 – 1 analog input (voltage)
- 0 – None
- 1 – 1 analog input (current)
- 2 – 1 analog input (voltage)
- 0 – None
- 4 – 1 analog input (PT1000)
- 5 – 1 analog input (PT100)
- 0 – None
- 4 – 4 digital inputs
- 0 – 15-36V and 12V battery (with charging)
- 1 – 12VDC battery mode
- 2 – 12VDC battery mode with output V control

Example: **702.035.1014.1.2.5.4.1** GSM/GPRS modem, RS485 port, USB port, 1 current analog input, 1 voltage analog input, 1 input for PT100 temp. probe and 4 digital inputs, with 12VDC battery mode

The information contained in this datasheet is subject to change without notice. Make sure you are using the latest version.

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