




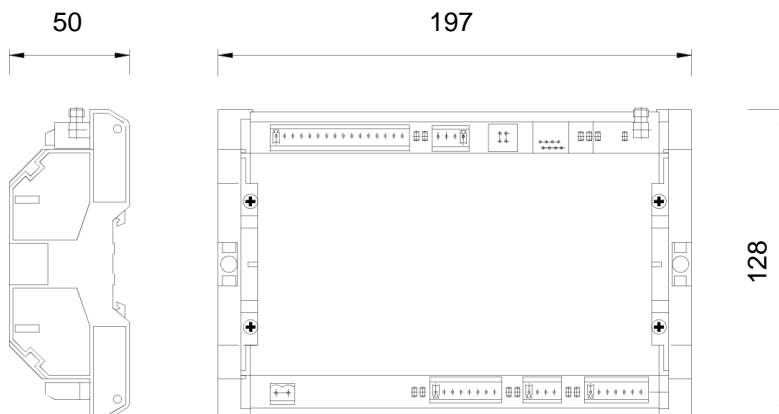
## Overview

- Datalogger with timestamp of records (RTC, Real Time Clock).
- RS232, RS485, GSM/GPRS communication
- Up to 4 analog inputs (current, voltage, resistance or temp. probe)
- Up to 16 digital inputs (contact, impulse counter, alarm)
- Controller with up to 8 digital outputs
- Automatic weekly scheduler for digital outputs
- Fully-configurable SMS alarm reporting
- Galvanic isolation between power supply and interfaces.
- Remote configuration and updates through GSM/GPRS port.
- 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</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</p> <p><b>Digital inputs/outputs</b></p> <p>Digital inputs. 4/8/12/16 inputs (sink contact)            Digital outputs 8 outputs (open collector, &gt;50VDC and &gt;500mA).</p> <p><b>Analog inputs</b></p> <p>Current: 0/4-20mA, 0-5 mA            Voltage: 0-5V, 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><b>Physical characteristics</b></p> <p>Dimensions: 197x128x50 mm            Weight: 450 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	Analog input	Discrete inputs	Discrete outputs	RTC
702 . 030 .	A	B	C .	D .	E	F	G	H .	I .	J .	K
0 – None 1 – RS485 2 – RS232											
0 – None 1 – RS485 2 – RS232											
0 – None 1 – GPRS											
0 – None 1 – 1 analog input (current) 2 – 1 analog input (0..5V) 3 – 1 analog input (0..10V) 4 – 1 analog input (PT100) 5 – 1 analog input (PT1000) 6 – 1 analog input (0.. 10 KΩ) 7 – 1 analog input (0.. 300 Ω) 8 – 1 analog input (thermoresistance 0..10 KΩ) 9 – 1 analog input (thermoresistance NTC 0..30 KΩ)											
0 – None 1 – 4 digital inputs 2 – 8 digital inputs 3 – 12 digital inputs 4 – 16 digital inputs											
0 – None 1 – 8 digital outputs											
0 – None 1 – Real Time Clock (RTC)											

Example: **702.030.012.1.2244.1.1.1** RS485 port, RS232 port, GSM/GPRS modem, 2 analog inputs (0..5V), 2 analog inputs (PT100), 4 discrete inputs, 8 discrete outputs and RTC.

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

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