



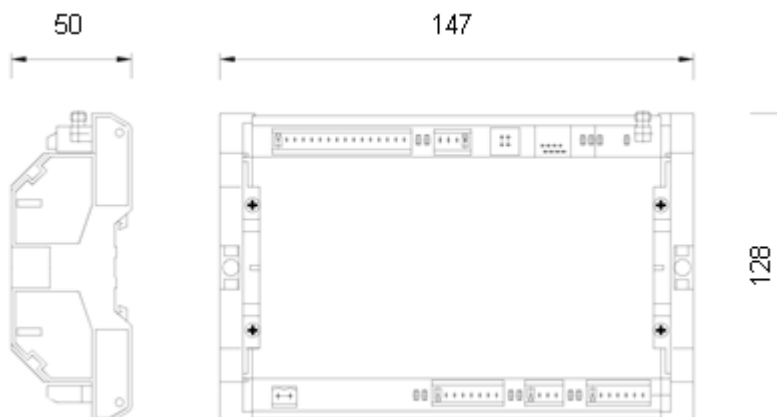
Overview

- Data transmission to cloud through Modbus/ MQTT
- Datalogger with timestamp of records (RTC, Real Time Clock).
- Ethernet, USB, RS232, RS485, GSM/GPRS, M-Bus communication.
- FTP Client capability, being able to send data in a file to a remote FTP server
- 8GB microSD card included
- Fully-configurable alarm reporting via SMS, Email and MQTT
- Galvanic isolation between power supply and interfaces.
- Protocols supported: Modbus RTU, Modbus TCP/IP, M-Bus, FTP, MQTT.

Characteristics

<p>General</p> <p>Power supply: 9 – 36 Vcc / 12 – 50Vcc Overvoltage protection: >1000V (max. 5 sec) Consumption: <10 VA</p> <p>Specifications</p> <p>CPU: ARM7 (55MHz) GSM/GPRS: 3 bands 900/1800/1900 MHz Flash: 8 MB, up to 5 years storage. SD card included 8GB</p> <p>Interfaces</p> <p>RS232: Up to 15m distance, speed up to 57600 bps RS485: Up to 1.2 km distance, speed up to 57600 bps M-Bus: Up to 8 devices USB: Type B, ver. 2.0 Ethernet: RJ45 Twisted pair 10/100 Mb, up to 100m</p> <p>External devices power supply</p> <p>3.7 /5/6/8/10 Vcc max. 20mA</p> <p>Protocols</p> <p>Modbus RTU, Modbus TCP/IP, M-Bus, FTP, MQTT</p> <p>LED Indication</p> <p>Power supply Read/write of each port GSM/GPRS connection status</p>	<p>Working conditions</p> <p>Working temperature: -25 .. +60°C Storage temperature: -40 .. +60°C Humidity range: 5 – 95%, w/o condensation</p> <p>Regulatory approvals</p> <p>EN 55022:2000+A1+AC:2002+A2:2003 EN 55024:2000+A1:2003+A2:2003 EN 61000-4-5:2002+A1:2003 EN 61000-4-6:2002+A1:2003 EN 61000-4-2+A1+A2:2002 EN 61000-4-3+A1:2004 EN 61000-4-4:2005</p> <p style="text-align: right;">CE</p> <p>Physical characteristics</p> <p>Dimensions: 147x128x50 mm Weight: 275 g Material: PC/ABS Protection type: IP20</p> <p>Mounting</p> <p>DIN rail</p> <p>Other features</p> <p>Made in EU</p>
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Dimensions (mm)



Ordering code

Model	Interface	Interface	Interface	Interface	Interface	Power supply	RTC	SD card
702 . 029 .	A	B	C	D .	E .	F .	G .	H

- 0 – None
- 1 – GPRS
- 2 – RS232
- 0 – None
- 1 – RS485
- 2 – RS232
- 4 – M-Bus
- 0 – None
- 1 – RS485
- 2 – RS232
- 0 – None
- 1 – RS485
- 2 – RS232
- 0 – None
- 1 – Ethernet
- 0 – None
- 1 – Power supply for external devices
- 0 – None
- 1 – Real-Time Clock(RTC)
- 0 – None
- 1 – microSD card slot + 8GB card

Example: **702.029.1412.1.1.1.1** GSM/GPRS modem, M-Bus port, RS485 port, RS232 port, Ethernet, external devices power supply (up to 10Vcc 20mA), Real Time Clock (RTC) and microSD card slot

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

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