we120
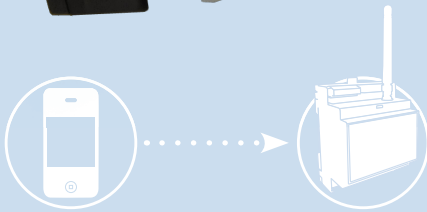## GSM | SMS

water   energy   gas   industrial   home automation   m2m

we120 is a compact, affordable and robust solution for remote monitoring and control in the industrial and home automation fields. The WE120, through its quad band 2G modem, easily handles electrical appliances using SMS messages and voice calls.

● Autonomous

The WE120 is a completely autonomous system that only needs a power source and an enabled SIM card. It is also an unmanned device since it does not require local interaction with a human operator. The WE120 can remotely manage small automated systems activating relay outputs and reading analog/digital inputs with just a voice call or a single SMS message.

● Reliable

The configuration and operation of the WE120 are based on voice calls and SMS communication. It automatically notifies with an SMS the status of several parameters such as alarms, inputs and sensors to registered users that are password protected.

● User-friendly

The app for mobile devices allows to manage one or more WE120 with an intuitive, fast and reliable interface. The WE120 also supports traditional SMS messages for legacy phones.

● Versatile

The Genesys program for the PC allows to perform the same operations as the app plus all the advanced operations, such as firmware upgrades, in a straight-forward fashion using a web-like interface.

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TECHNOLOGY

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we120

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APPLICATIONS

● M2M

- Industrial plants
- Heating and chiller plants
- Weather monitoring
- Vending machines

● Water

- Water leakage
- Pump control
- Level monitoring
- Water treatment plants

● Home and bulding automation

- Heating and air-conditioning systems
- Gate opening systems
- Lighting

● Gas

- Wireless meter reading
- Cathodic protection

● Energy

- Photovoltaic
- Plants monitoring

TECHNICAL FEATURES

● Input/Output

- 4 digital inputs ("dry contact" compatible)
- 2 relay outputs 1 A, 240 Vac / 30 Vdc
- 2 analog inputs 0-5 V, 0-10 V, 0-20 mA / NTC
- 1 RS232 DB9 serial port
- 1 RS485 serial port
- 1 USB port

● Communications

- Quad band 900/1800 and 850/1900 MHz 2G modem
- SMS, CSD, HSCSD, GSM
- AT commands, 07.07 and 07.05 standards
- Built-in internal SIM holder

● Mechanical

- IP41 plastic case for DIN rail mounting
- Size: 90x70x65 mm
- Weight: 200g
- Antenna connector: SMA

● Environment

- Temperature range: -15°C to +55°C
- Humidity: 80% non condensing

● Power supply

- 9-32 Vdc / 12/24 Vac
- Average consumption: 150 mA
- Peak current (when transmitting data): 400 mA

ACCESSORIES

- Input/Output MODBUS RS845 RTU serial expansions
- UPS500 power source and battery backup
- PS100 power source
- Ethernet connector
- Temperature probes

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