Remote Control *GSM Modem*

Pocket GPRS Water - Code 8D5630

- **Water monitoring** System via SMS
- Device for applications of **Telemetry** and **Remote Detection**
- Perfect for **application with water and liquid meters**
- **Security management** through CLIP
- Programming and management **via SMS**
- **SMS Alive** for activity test
- 4 IN (Metering) with wire cut alarm
- OUT management for solenoid
- Powered by longlife lithium battery
- IP67 plastic case for outdoor use
- Anti-Tamper
- Built-in GSM Quad-Band engine
- Extended temperature range from -20ºC up to +70ºC

Quad-Band GSM module

DESCRIPTION

POCKET GPRS Water has been projected to satisfy the growing needs in the world of **Services Industry for applications of Remote Control and Water Remote Detection**.

It's a **monitoring** and **signalling** system **based on SMS** technology.

Pocket GPRS Water can manage the meter through the input reading (coming from the Reed Relè on the meter) and send this information via SMS.

The low consumption system uses a PIC (programmable logic) in order to contain the power request and guarantee the operation for years.

Based on the internal clock, the PIC awakes the system that "powers on" the GSM engine to send the reading datum. After the datum is sent, the device waits for an eventual maintenance SMS from the control center.

When timeout expires, it returns to the low consumption status.

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The management of SMS is based both on the caller identification and on a specific protocol, in order to restrict the accesses. At any time the wire cut alarm (meter) or the anti-tamper alarm (box) generates an immediate SMS to the control center.

The device integrates also the function **to send SMS Alive** to test the good operation of the device (this function is necessary in this kind of application and background). Pocket GPRS Water has an **output that controls a valve for water detection**.

The device can be programmed to power off and on again at a certain time (for example once a day) to receive the enabling message.

Particular care has been placed in the carrying out of the device **to guarantee its operation in hard environments**.

For example the SIM has been placed directly inside the device to be protected against bad weather, dust and humidity.

A complex work has been carried out on the product to reduce the number of components and consequently increase the level of reliability.

TECHNICAL FEATURES

- Industrial GSM modem for SMS applications
- 850/900/1800/1900MHz Quad-Band GSM module
- Perfect for applications of water meters detection
- Wired Management of up to 4 local meters
- Command management for bistable/hydrovalve solenoid
- Security management based on CLI
- SMS Alive function
- Powered by built-in lithium battery
- Extended Temperature range:
  -20˚+ 55˚C (operation);
  - 20˚ + 70˚C (limit with operation restore)
- IP 67 plastic case
- Size (140 x 80 x 70 mm)
- External Antenna
- Status LED
- Magnetic switch for anti-tamper signalling
- Anti-tamper alarm (meter wire cut)

Pocket GPRS Water

SMS

Central Management System

Meters

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