



Digicom

Telit offers us a good and continuous technical support. We appreciate also the ability to support us for the evolution of our actual product to ATEX version for Gas/Lpg applications.

Stefano Galzignato, M2M Line Manager

FACTS

www.digicom.it

Client
Digicom

System
Pocket Water – Remote Metering System for Water

Which Telit module do you use and why?

The GE864-QUAD module was selected because it is rugged and compact. The module is ideal for a device developed for outdoor installation.

Features

- Industrial-grade GPRS/GSM/SMS modem
- Wired management of up to four local meters
- Command management for bi-stable/hydro solenoid valve
- Built-in TCP/IP stack
- Security management based on CLI
- SMS "Alive" and IP "Alive" functions
- Remote configuration
- Powered by built-in lithium battery
- Size (135 x 145 x 105 mm)
- Robust IP 67 plastic case
- Magnetic switch for anti-tamper signaling
- Anti-tamper alarm (meter wire cut)
- Long life battery – up to five years



>> Pocket GPRS Water is a monitoring and signaling system based on SMS or GPRS/GSM data communication technology and ideally suited for applications in remote controlling and reading of water and liquids meters. The device accomplishes meter flow reading through an input from a reed relay on the meter and then transmits this information via SMS, GSM, or GPRS.

Data communication management is based on the caller ID from the received SMS and on a specific validation protocol designed to avoid unwanted accesses. Should the system sense a wire-cut (meter) or tamper (box) event, an alarm is generated and an SMS is sent to the control center. The device also integrates an "Alive" function which sends an SMS upon testing that the device is in good operating condition.

Pocket GPRS Water has an output that controls a valve for water detection. Its architecture is based on a GSM/GPRS module and an external low-power microcontroller which gives it the ability to operate for five to seven years on one battery charge. An internal clock wakes up the unit to transmit its data to the central site and to wait for remote set up before going back to sleep.

Pocket Water is a new device for remote management of water and liquids for an emerging new market. With Telit, we were able to reduce development time in a market that requires quick response.



Digicom was founded in 1977 and it is a company specializing in the research, development and production of professional electronics products for routing, networking and M2M applications for Industrial and Enterprise market. Digicom cooperates, as key supplier of OEM products, with the most important Telecom Operators and Industrial customers in the European market. The Telemetry market sector is currently one of the most growing market, covering all the applications for Utilities and the other industrial sectors. Our Pocket GPRS Water product, is tailored for Industrial Water Telemetry system and, currently, is used by the most important system integration company to realize a complete turnkey solution for the Utilities companies (irrigation and public). <<

The evolution in progress of this product is related to the new development for Gas/Lpg market, using an innovative and cost effective approach and technology, to propose an ATEX O compatible product for advanced telecontrolling applications.



Pocket GPRS Water