

Alarm System *via SMS*

Pocket AL I/O - Code 8D5684

- 900-1800MHz **Dual-Band GSM Module**
- Sensors remote control
- **6 digital inputs, 6 outputs and 2 analog inputs**
- **Configuration** via GSM phone
- **Rechargeable backup battery**

DESCRIPTION

Pocket AL I/O is a **monitoring and remote control system of sensors** that uses the SMS service via GSM.

Pocket AL I/O is the solution for the remote management of digital and analog detectors in industrial and residential environment.

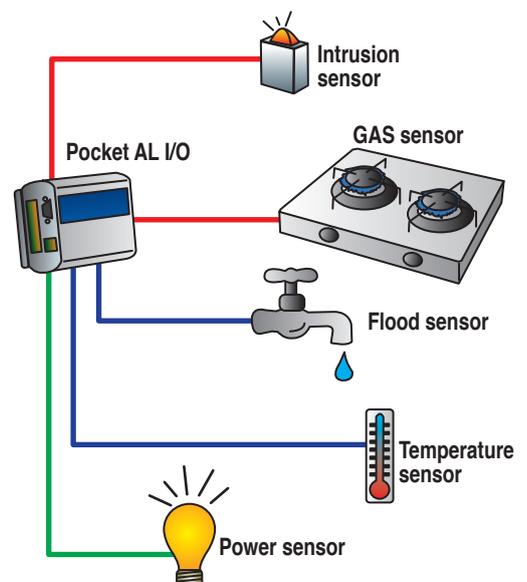
It is able to control up to **6 digital inputs, 6 outputs and 2 analog inputs** to connect the various models of sensors for the detection of doors opening, gas escapes, fumes alarm, level sensors, etc. and to send an SMS message at any change detected on each single sensor. You will receive the information via SMS on your mobile phone, for example if a change occurs on the gas or temperature sensor at your home.

You can also remote interact by sending appropriate SMS that will pilot the opening/closing of the 6 outputs. The device **installation is fast and simple**. The **configuration** can be performed **through a common GSM phone** sending SMS messages or **via serial port** with the Windows utility. You can prepare personalized messages different for any inputs making easier the identification of the alarm type.

Pocket AL I/O is extremely versatile as you can connect to its inputs any sensor or device you want to control; it is sufficient it opens or closes a contact.

Pocket AL I/O watches over your house or your industrial installation even if a power blackout occurs thanks to the **built-in rechargeable backup battery**. You will be informed of the power off and restore, so no more surprise when you come back from holidays.

Never "device not available" again with the automatic search for the GSM network and the periodical update of registration to GSM network that can be managed by the user itself.



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For further information visit our
website
<http://www.digicom.it>

When using the device in **M2M environment (Machine To Machine)**, a particular firmware management has been provided in order to automate your application and to independently use a couple of Pocket AL I/O with no need of specialized personnel on site (1).

In the **GATE application** instead, through a simple **phone ring** with no answer, you will be able to remote control your Pocket AL I/O using the mobile phone to **open the home gate, the parking bar for a limited time, the access to restricted areas as wharf, camping or private clubs.**

The design is compact and the case is made of aluminium with two wings for the wall mount; it's the ideal products even in the **most extreme solutions of industrial environments.**

The **power cabling** uses the same connectors as automotive solutions to guarantee the maximum reliability even in critical applications (crash, vibrations, etc.)

The power range is wider, **from 5 to 32Vdc** with a considerable low consumption so that Pocket AL I/O can be used in various applications. Also a power supply through solar panel can be taken into considerations.

The SIM slot (Plug-In 3V and 1.8V) has been developed for an easy installation and maintenance.

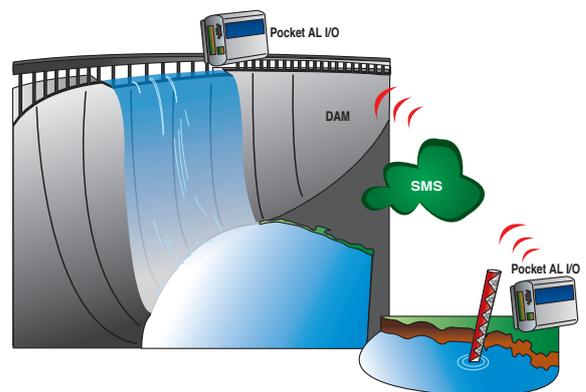
(1) *This kind of management requires a careful analysis of the application to avoid dangerous malfunctions that can compromise the installation.*

TECHNICAL FEATURES

- Alarm system via SMS
- 900/1800 MHz Dual Band GSM module
- SMS support
- 4 digital inputs
- 2 optoisolated digital inputs
- 4 open collector digital outputs
- 2 relay outputs
- 2 current mode 4-20mA analog inputs
- A/D converter resolution: 12bps
- Screwless terminal board
- Configuration via GSM phone or serial
- External antenna with 3mt cable (SMA connector)
- Plug-In (3 – 1,8V) SIM slot
- LED indicators: power and GSM
- Power: from 5 to 32 Vcc
- Low consumption
- Size and Weight: 90x77x47mm, about 300gr
- Temperature range: -20°C / +55°C
- R&TTE approval
- CE mark



GATE applications



M2M applications