

artion
by 



GSM backup communication module

P  R  DOX HELLAS S.A.
fire alarm & security systems



Features

- Back-up GSM device providing communication between the security system and a Central monitoring Station, in any case that the fixed telephony network line (PSTN) is interrupted.
- It can also be used as the main communication means between the Alarm Control Panel and the Central monitoring Station in areas where a fixed telephony network is not available.
- Supports all the DTMF communication formats (Contact ID, Ademco Express).
- Option to automatically send SMS messages to up to 8 recipients in case of total failure of communication with the Central monitoring Station.
- Option to send to the end user (owner of the system, security officer etc) pre-programmed SMS by triggering inputs TSMS1 & TSMS2.
- Easy to program by SMS commands from a GSM phone or through the specially designed software **artion Configuration Software** from a PC. The programming of **artion** from a PC can be achieved either through a GSM modem connected to the PC or directly using an RS232 wired connection (in every case, a Security Code is required).
- When high security applications require constant checking of an "ALIVE" status of the **artion**, we can easily and cost-free achieve this with the help of the **artion Observer** software.
- Accepts SMS commands to trigger up to two different on board PGM outputs (for activating/deactivating house electronic/electric appliances or loads).
- Option to remotely ARM/DISARM the security system by pre-programmed SMS commands, sent from the owner's mobile cellular phone (input TSMS1 and output PGM1 must be used for this feature).
- Two different versions (one for European countries 900/1800 MHz and one for North American countries 800/1900 MHz).
- Globally unique IMEI number for each **artion** device, approved by BABT (British Approvals Board for Telecommunications).

Technical Specifications

Power Supply

Supply Voltage	10–14 VDC
Current standby (no GSM phone call)	70 mA
Current max (during GSM phone call)	240 mA

PGM Outputs (open collector, active low)

Max Current from "COM+"	200 mA
Max Sink Current (external source)	1.5 A
Max external voltage source	24 VDC

TSMS inputs (active low)

Switching Current	500 uA
Max Voltage at any time	15 VDC
Min time for pulse detection	500 mSec

Telephony related

Max PSTN Input Voltage	80 VDC
Line Present detection threshold (line in)	10 VDC +/- 20%
Line Output Voltage (on board SLIC)	37 VDC +/-10%
PSTN Off hook loop current (on board SLIC)	24 mA +/-10%

GSM

European Model

Power output GSM 900	2 Watts
Power output GSM 1800	1 Watt

American Model

Power output GSM 850	2 Watts
Power output GSM 1900	1 Watt

Sim card	3.3 Volts
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