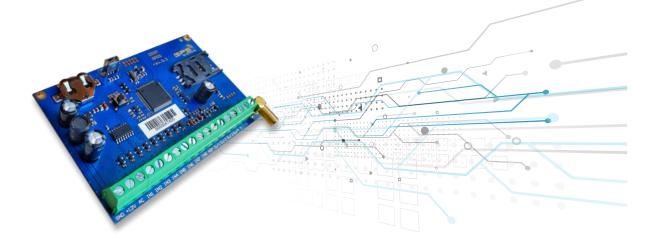# ALARM SYSTEM GPRS MODULE

- **DSSM GPRS** is one of best in class device dedicated for use in intruder alarm systems as a stand alone communicator or a link between the alarm control panel and the monitoring station.

- The module is monitoring the status of its inputs and any change triggers sending of events to the monitoring station.

- Fully compatible with most popular intruder alarm systems via serial link – TELETEK, PARADOX, DSC, etc.

- Integrated Real Time Clock.

All events from the Alarm panel are sent with their origin time of occurrence.

- Two way communication with monitoring station.

- Every message is deleted ONLY after successful passing to the server and receipt confirmation is received.

- Non-volatile memory for buffering up to 3000 unsent messages.

- All unsent messages are kept in the non-volatile memory and cannot be deleted even in power supply failure or device restart.

- Sending acquired data via GPRS (TCP/IP).

- GSM operator independency.

- Smart algorithms of GPRS connections according to the customer's needs which allows traffic and cost savings.

- Automatic entering in standby mode and wake up when necessary.

- Periodical test transmissions can be setup to check the module's availability according to the customer's needs.

- Module configuration:
  - Locally – through USB to RS-232 (TTL) converter;
  - Remotely – via GPRS;
  - Remotely – via SMS from authorized numbers only.

- FOTA (firmware update via GPRS).

- 9 programmable digital inputs.

- 4 programmable digital outputs, which can be remotely controlled (e.g. alarm system deactivation in case of unpaid bills).

- Communication port for Alarm systems integration.

- Debounce algorithm can be setup for inputs triggering according to the source signal.

- Balance resistors triggering capability.

- LED indication for communication status.

- Indication for unsent messages.

- Monitor AC voltage presence to the Alarm system.

- GSM signal level information for better mounting.

Technical specification:

Power supply	9 ÷ 30VDC
Inputs	9 inputs programmable as: - positive triggering - negative triggering - negative triggering with balance resistors
Outputs	4 Open collector outputs, IMAX = 300mA
AC voltage presence input	15VAC (max)
Integration with Alarm systems	supports different Alarm panel types
Non-volatile message buffer	up to 3000 messages
Dual band GSM/GPRS engine	900/1800MHz
Standby mode consumption	15mA @12V
Work mode consumption	130mA @12V
Operating temperature	-30˚C ÷ +75˚C
Weight	150g
Dimensions	105mm x 70mm

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