

GSM KEY

GSM based access controller

APPLICATION

GSMKey allows for building access control using GSM network for a large number of users. The **total lack of costs** related to user identification, wide variety of configuration options for each of the users and recording all of activities in nonvolatile memory make GSMKey a better and cheaper alternative to RFID, radio-controlled (remote controller) or similar systems. The totally free ability to add new users or change the authorization level for each of them (no need to issue or reprogram remote controllers, ID cards, keys etc.) make GSMKey an ideal solution for:

- ▣ parking lots at various institutions, companies, housing estates or communities,
- ▣ public parking lots,
- ▣ gates to various premises,
- ▣ warehouses,
- ▣ stockyards,
- ▣ all types of facilities frequented by a large number of individuals and/or with frequent changes of their authorization levels.

OPERATING PRINCIPLE

When a user dials the phone number assigned to the GSMKey controller, the device identifies his number and based on his preconfigured options (authorization level) activates the required relays. The relay outputs can be connected to a variety of target devices, such as gateway actuators, door locks or other access control systems. After performing the identification the call connection is refused (which eliminates connection costs - the only cost is the cost of maintaining the phone number – either subscription plan or pre-paid card).

Each positive identification is stored in the non-volatile memory activity log (detailed time, incoming call phone number and reaction of the controller). This memory allows for 500 entries and operates in FIFO mode (if the memory is exceeded, the newest records overwrite the oldest ones).



FEATURES

- ▣ the user is recognized based on his telephone number (calling line identification presentation - CLIP) – **no call connection costs**,
- ▣ each user can be assigned from one to four output devices (gates, doors, locks etc.),
- ▣ ability to enter up to 500 users in the controllers memory and additionally a few hundred users can be stored on the SIM card memory (depends on the GSM operator),
- ▣ ability to operate in general access mode,
- ▣ built-in nonvolatile memory activity log,
- ▣ ability to operate up to 4 devices (4 relay outputs),
- ▣ 2 inputs with configurable SMS alarms,
- ▣ ability to configure alarms notifying about: lack of external power and/or low credit on the prepaid card,
- ▣ built-in battery allowing for few hours of operation without external power,
- ▣ easy configuration using a PC or mobile phone.

TECHNICAL DATA

Electrical specification

Power supply	24V AC/DC
Current (max)	300mA
Relay outputs	250V/16A
Digital inputs	passive contacts

GSM

Operating mode	900/1800/1900MHz
Antenna connector	SMA
SIM card	3V/1.8V

Communication interface

Serial interface	RS232, D-SUB 9
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Enclosure

Dimensions	225x165x40[mm]
Weight	500[g]