



GC076 RFID SecurityTracker

GSM AND GPS CAR ALARM WITH IDENTIFICATION ACCESS CARDS AND 3D G SENSOR

USAGE AND CHARACTERISTICS

GC076 is a unique GSM, GPS communication unit which is used for monitoring and vehicle security. It is designed for hidden installation in a vehicle, where it monitors:

All data is stored in the unit memory and sent to the server for further processing and displayed to users. The unit also supports communication by SMS and calling. These are used to send an alarm to the mobile phone of the owner or a security agency, or in the opposite direction to contact the vehicle or change the unit settings.

Constantly armed and the legitimacy of entrance to the vehicle is checked by asking for the presence of an access card. If an access card is not discovered within range of the vehicle, the alarm is triggered via data packet, SMS or a telephone call. The range of the access card is approximately 10 metres and successful detection of the card in within 5 seconds.

Can be connected to a tilt sensor to detect attempted towing or jacking of the vehicle, and a spatial microwave sensor for guarding the interior. There is also a bonnet sensor to protect the engine compartment and a shock sensor for an alarm in the event of an accident. The car alarm can activate the internal shake and set off an alarm if the GPS position of the vehicle changes.

Equipped with a panic alarm for manually calling and temporarily blocking the alarm. It can also be equipped with an immobiliser and fitted with an external battery back up. Through the alarm system, you can also control selected features in the car, such as the engine stop or the heater.

MEASURES AND TRANSMITS

- » The presence of authorized identification cards within range
- » The status of the ignition, type of journey, or other digital inputs
- » GPS position, direction and speed
- » On-board voltage
- » Vehicle acceleration on 3 axes
- » Security sensors such as vehicle tilt or movement inside the vehicle

The unit is designed for application as a GSM alarm, for car security, vehicle monitoring and as an on-line electronic logbook.

TYPES AVAILABLE

TYPE	GSM / GPRS	GPS	USB	Inputs / Outputs	3D G sensor	GPS antenna	GSM antenna	SIM	Application
GC 076 332 C	✓	✓	✓	6 x digital inputs 4 x outputs	✓	external	Internal	x	C
GC 076 332 S	✓	✓	✓	6 x digital inputs 4 x outputs	✓	external	Internal	✓	S

APPLICATION

C	Vehicle security – alarm
S	Vehicle security – alarm - SIM inserted in the factory

ACCESSORIES INCLUDED

- » 2x RF identification card with 10 m range
- » External GPS antenna
- » Electrical installation accessories

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ACCESS CARDS AND 3D G SENSOR

OPTIONAL ACCESSORIES

ED 076 618	Incline sensor
ED 076 611	Type - Microwave motion sensor
ED 060 601	Emergency alarm button with 2m cable
ED 060 606	Bonnet switch
ED 060 613	Crash sensor
ED 060 614	Immobilization relay
ED 076 002	Battery Backup 12 V

TECHNICAL PARAMETERS

GSM	GSM 850/900/1800/1900 MHz 1.8V SIM card
Communication	Calling, SMS, GSM Data, GPRS
Call	Free alarm ringing Launch action by ringing (position inquiry, immobilization ...)
SMS	SMS alarm, info, command, question, answer, setup, change configuration - up to 4 parameters in one SMS
GPRS Internet	Class 10 Support static and dynamic IP and VPN UDP protocol Transmission security Asymmetric encryption of 128 bits firmware upgrade and configuration
GPS	50 channels Module μ -blox 6, high-sensitivity SMB antenna connector - f
6x input 4x output 1x internal piezo - acoustic signalling	Input up to 30V DC Output current up to 0.2 A
Access cards	Frequency 2.4 GHz, encrypted two-way transmission, range 10 m
Acceleration sensor G	3-axis acceleration sensor Recording of incidents Motion indication Rating driver quality
Power supply	12 to 24 V DC Idle consumption <15 mA at 12 V Maximum power consumption 400 mA at 12 V
Micro USB	PC connection - configuration, upgrade LCD touch screen 7 " or 4.3". Messaging, WorkFlow, Navigation
Events memory	512kB Flash i.e. 8000 positions (20,000 positions when compressed)
Time synchronization	Date and time synchronized with GPS
Dimensions	150 x 70 x 20 mm
Weight	120 g
Temperature range	-30 ° C up to +85 ° C
Protection class	IP 20



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