



# 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 is 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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## 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

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



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