

# ACTIVE GUARD

- REALTIME GUARD TOUR SYSTEM
- PERSONNEL PROTECTION SYSTEM
- VOICE COMMUNICATION DEVICE




**EBS**


CREATING A SENSE OF SECURITY  
SINCE 1989

➤ **Active Guard II is the most advanced, first of its kind in the world, system for monitoring the time, place and results of the work of personnel. By combining benefits of GPRS communication and RFID reading Active Guard II can be used as a realtime guard tour system, a personnel protection system and a voice communications device. Implementation and operation is very easy – there is only three buttons.**


➤ **Realtime guard tour system.**

Thanks to RFID reader  Active Guard II enables to control guard tours on basis of RFID tags placed on the round course. Monitoring software allows to establish timeframes for RFID tag reading. If no reading is recorded within specified time, the monitoring station notifies of irregularities.

➤ **Personnel protection system.**

Active Guard II is equipped with PANIC button  that can be used in case of emergencies. When PANIC button is being pressed device send an emergency signal to the monitoring station to ask for help. The monitoring system will automatically activate the wiretap function to record the voice communication 5 meters surrounding the device, and open the positioning map via GSM network to assign the reinforcements or call the nearest police station for help.

➤ **Voice communication device.**

Active Guard II allows also for GSM two way voice communication. CALL ME button  enable to send signal via GPRS to monitoring station to ask for reply (when it's pressed shortly) or to call directly to authorized number when it is pressed longer (i.e. police, fire, supervisor, etc.). It is also possible to call the device from authorized number at any time.

Designed for guard control, Active Guard II is a highly flexible system and can be used also for other purposes, e.g. access control and identification, technical inspection monitoring, storage and rental systems monitoring, or maintenance systems.

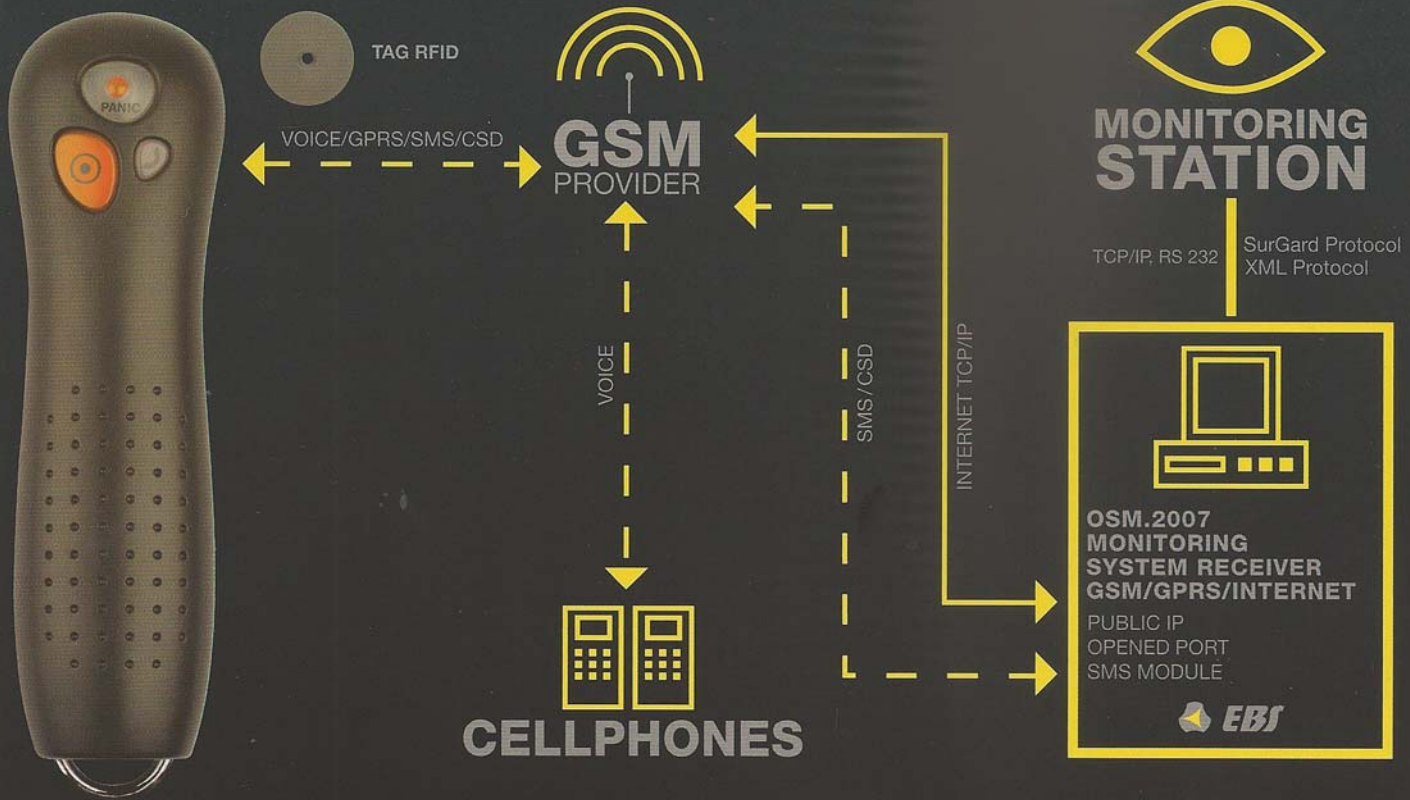
**New functions:**

» **Built-in accelerometer functions:**

- » **Man-down detection**  
notification about user life threat
- » **Excessive shock detection**  
notification about attempt to destroy device
- » **Tilt detection with configurable positions and angles**  
notification about position

- » **Remote configuration and firmware upgrade**  
comfortable servicing and time savings





- » **Encryption of transmitted data by AES standard**  
full data transfer safety
- » **Modem choice between three leading manufacturers**  
adapts the device to buyers personal preferences
- » **Power down by button combination**  
feature enables to switch off device in designated areas without necessity of housing opening
- » **System event history**  
evidence up to 5000 events enabling to diagnose causes of possible problems
- » **Capability of adding a Bluetooth module**  
possibility to expand system by extra accessories (headset, GPS module)

## Technical Data

Active Guard parameters	
Reader type	Proximity RFID
RFID reader frequency	125kHz
RFID read-out distance	3-4cm (depends on transponder type)
Transmission	GPRS/SMS
Alarm events buffer size	1000
Quantity of system events stored in history	5000
Timestamp event	YES (data, hour with 0,01s accuracy)
GPRS/SMS transmission security	AES encryption
Device configuration	Remote: via GPRS, SMS, CSD Local: PC through RS232 link ( LX-PROG cable and AGP programmer required )
Remote firmware update	YES
Supported modems	- Cinterion MC55, MC55i, MC56 ( previously Siemens ) - Simcom SIM300D, SIM340D - Wavcom Q2686
Voice call support	YES
User interface	3 buttons ( PANIC, CALL ME, RFID readout )
Optical signalisation	YES ( 3 LEDs )
Sound signalisation	YES
Vibration	YES
Power supply	- main battery - lithium-ion polymer 3.7V, 1600mAh nominal capacity - backup battery - nickel metal hydride 3.6V, 40mAh nominal capacity
Main battery working time after charging	up to 2 days
Main battery charging time	max. 3 hours
Main battery charging current	max. 1A
Power supply unit functions	- low battery voltage detection - fuse protection - detection of main battery sabotage - detection of battery cover opening even after main battery discharge - excessive shock detection even after main battery discharge
Built-in accelerometer functions	- man-down detection with configurable pre-alarm time - excessive shock detection ( which may cause device malfunction ) - tilt detection with configurable postions ang angles
Weight	about 210g
Dimensions	207 x 58 x 39 mm
Protection rating	IP67
Vibration resistance	10-500Hz with acceleration to 3G for 2 hours