TECHNICAL DATA

Parameters

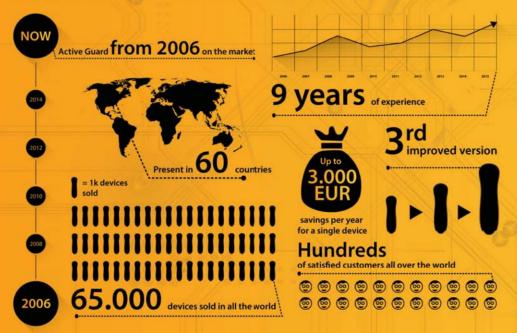|	
Reader type	Proximity RFID
RFID reader frequency	125kHz, unique
RFID read-out distance	3-4 cm (depends on transponder type)
Transmission	In the real-time by GPRS/SMS
Alarm events buffer size	1000
Quantity of system events stored in history	5000
Timestamp event	YES (date, time with 0,01s accuracy)
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 MC55i, MC55i-W (former Siemens) - u-blox Leon-G100, Leon-G200
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 3.7 V, 1600 mAh nominal capacity - backup battery - nickel metal hydride 3.6 V, 40 mAh 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 battery cover opening even after main battery discharge - backup battery allowing event registration (opening the housing and excessive shock) even after main battery discharge
Built-in accelerometer functions	- man-down detection with configurable pre-alarm time - detecting excessive shock that can cause damage - the tilt detector with configurable positions and angles
Weight	230 g (reader) + 150 g (charger)
Dimensions	reader (195 x 57 x 38 mm) + charger (99 x 111 x 83 mm)
Protection rating	IP67
Vibration resistance	10-500 Hz with acceleration to 3G for 2 hours

NEW VERSION OF THE WELL KNOWN ALL OVER THE WORLD DEVICE – ACTIVE GUARD 3.0

Active Guard 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 can be used as a **guard tour system,** a **personnel protection system and a voice communications device.** Active Guard ensures the ability to react immediately, which helps increase the safety and quality of work. It gives instant irregularity warning.

NOW

Active Guard **from 2006** on the market

2014

2012

2010

2008

2006

9 years of experience

Present in **60** countries

= 1k devices sold

65.000 devices sold in all the world

Up to **3.000 EUR**
savings per year for a single device

3rd improved version

Hundreds of satisfied customers all over the world

Many years of experience!

Designed for guard control, Active Guard 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, BETTER FUNCTIONALITY AND DESIGN

Built-in accelerometer
Man-down detection – notification about life-threatening of the user life threat
Excessive shock detection – notification about attempt destroying the device
Tilt detection with configurable positions and angles – notification about changing the position of device – alarm signal if the position is outside the defined range

Form optymalization
More comfortable in use and more durable

Silicone gasket
Silicone gasket placed in special grooves in the housing - for better durability and tightness

More screws
Better distribution of forces at the fall

HOW IT WORKS?

EASY implementation and operation:

Realtime guard tour system.
Thanks to RFID reader Active Guard allows 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.
PANIC button 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. It is possible to record the voice communication surrounding the device by the monitoring system communication and show the position of device if it is supported by GSM network.

Voice communication device.
Active Guard allows also for GSM two-way voice communication. CALL ME button allows 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 station, supervisor, etc.). It is also possible to call the device from authorized number at any time.

The tags (control points) in form of key fob or coin tag can be can be fixed or mobile, can be easily programmed so as to provide appropriate messages after they have been read.

Resistance to destruction:

Saving the data even in the case of total destruction of the reader.

Resistance to any kind of weather conditions (cold, moisture, heat).

Notification of all mechanical attempts to destroy device.

Detector, which allows to determine whether the device was exposed to strong electromagnetic fields e.g. the origin of microwave.

Higher reliability due to increased anti-sabotage security.

WHAT MORE OFFER AG:

Remote configuration and firmware upgrade – comfortable servicing and time savings

Encryption of transmitted data using AES cipher – 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 turn off the device in designated areas without necessity of housing opening

Increased event buffer capacity up to 1000 events - long lasting and easy device operation in areas with no GSM network coverage

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)

Registered battery lid opening event after main battery discharge - increased anti-sabotage security