



Protectomatic solution for gate and door control applications

- * Automatic reading of ID tag in cars and persons up to 100 meter in distance
- * Adjustable range and sensing area of receiver
- * Reader can read tags of cars and ID tags of the persons inside the car at same time
- * Optional cameras and licence plate readers cooperating with ID tag information
- * Net work design as stand alone passage control or integrated with Protectomatic security solutions
- * Price attractive and low maintenance costs

Protectomatic gate controller is a piece of the Protectomatic total security concept. It can be used stand alone, in a network or as a part of Protectomatic total security solution. Gate controller reads ID cards / tags at long range by wireless technology and checks the ID of the card to a database and can activate functions like door and gate opening by the approved ID.

Unique wireless tags admit reading distances of over 100 meters at free sight. We offer special antennas and solutions to control and adjust the sensing area. Readers can read several tags at the same time. This admits to see the ID of a car and who is inside the car. Extra cameras can read license plates of cars as well as grab images of all who pass the area.

Output of the system can control doors and gates. The system has a network design and there is a database where all events are stored on a hard drive. This has internet capabilities and control functions.

Virtual gates and zones can be generated over large areas. In places like airports you can create virtual gates and all that passes the area is detected by external detectors and triggers an ID control of tags. If there is a passage through a virtual gate, the absence of the ID card can trigger alarms for guards etc. The intruder is not stopped as there is no mechanical protection, but the alarm is on and a photo shows what caused the alarm.

Many of our products are protected by patents and patent applications

Datablad PM Gatecontrol 05 10 30

Protectomatic gate and door control system

Tags of the system

Wire less RF solution with back up battery

Car tag operates at car battery Dimensions 15x60x100 mm with a label at out side

Personal tags of ID card size with place for photo of the owner. Can be carried on cloths with a clip.

66x15x80 mm in dimensions. Battery with 6-12 months life time

All tags have min. IP 54 level of encapsulation



ID readers

Plastic cabinet with IP 54 encapsulation for in and out door operation

Operating voltage 12 volt DC

150x200x50 mm approximate dimensions

Communication by 2 cables to central

Optional TCP/IP or Blue tooth communication / GSM / GPRS / G3 on demand

Antennas are normally inside with normal sensing lobe of a dipole antenna (30 meter range)

Optional special antennas with long range (100 m) or special sensing areas (barriers and ellipses.



Main frame PC

PC standard model with software for data base and control functions

TCP/ IP communication with external units W-Lan or Lan

PC can have battery back up

PC have Internet capabilities for control and service

PC have data base for control and maintenance software for adding and removing clients

Typical function of Protectomatic Gate controller

All persons and cars have a own ID tag with a ID number and related authorities of carrier

All gated have a ID reader and they scan the predetermined area all the time for new ID cards

Cards coming into the area are checked by the ID reader in the data base and if OK it gives an Open signal on a relay or similar

Cars can have a driver ID and car ID and booth can be checked and approved together. This can be combined with licence plate readers and cameras grabbing images

Open gates / virtual gates are similar but have a detector telling something is there which shall be checked. If then there is no accepted ID in the area an alarm is activated by a relay or the net work.

Main frame PC store the data base with settings. All events are logged by time and place plus all indications like photos etc.

More details available on other product papers of Protectomatic TSS total security solutions

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