



ZARJA ELEKTRONIKA

ALARM MANAGEMENT SYSTEM

Fire and Security Alarm System Management and
Integration Platform



Safely into a new day

I can see
clearly now

(Johnny Nash)



FIRE AND SECURITY ALARM SYSTEM MANAGEMENT AND INTEGRATION PLATFORM

The transition from the analogue world of fire and security alarm systems to the world of IP technology makes it possible to integrate different systems so that they meet the high expectations and demands of today's IT and security professionals.



The advantages of an integrated approach for the setup of fire and security systems are obvious: less installation work, less equipment, multi-function equipment, and simpler user training, because the supervision and management of different systems is done together on a common user interface. If we add to that a faster alarm response time, this leads to a significant improvement in the security situation of a given site.



The integration of fire and security systems of various manufacturers makes it possible to use (choose) the kinds of systems that, in their fields, best meet the needs of the user, and are most easily adapted to the specifics of their business.

The challenge of integration is to enable efficient communication between systems from different manufacturers.

Zarja's platforms for the integration and management of fire and security alarm systems makes it possible to connect fire and security alarm systems from different manufacturers, all of them leaders in their respective fields, into a logical and user friendly security solution.



At Zarja Elektronika we can completely meet and adjust to the needs of the user, in terms of both the choice of fire and security alarm system, and the system's level of integration. Individual users require various levels of integration, as there is a range of different fire and security alarm systems. Also, solutions which integrate many different fire and security alarm systems will be more expensive initially compared to solutions which just provide the current status of fire alarm systems, or solutions that only enable a text display and the logging of alarms, as they do not require inputting the layout of the site and the thousands of other elements connected with that.

FIRE DETECTION AND ALARM SYSTEMS CAN DETECT FIRE AND TRIGGER AN AUTOMATIC EXTINGUISHING SYSTEM AT THE EARLIEST STAGES, ONLY THESE KINDS OF SYSTEMS CAN PREVENT MAJOR DAMAGE DUE TO FIRE, AS THERE ARE VERY FEW CASES IN WHICH HUMAN REACTION TIME IS NOT FAST ENOUGH.

ZARJA EXTINGUISHING SYSTEMS CAN DETECT FIRE AND WHICH CAN BE SELECTED ACCORDING TO THE VARIOUS STANCES AND REQUIREMENTS OF THE CLIENT. THE SYSTEMS HAVE DIFFERENT EXTINGUISHING AGENTS OR METHODS:

- GASEOUS EXTINGUISHING AGENT FM-200 (HEPTAFLUOROPROPANE)
- GASEOUS EXTINGUISHING AGENT NOVEC 1230 (FLUORINATED KETONE)
- A CO2 EXTINGUISHING SYSTEM
- INERT GASES (ARGONITE, NITROGEN, INERGEN)
- A WATER MIST EXTINGUISHING SYSTEM

ZARJA BURGLAR ALARMS OFFER ADVANCED ANTI-INTRUSION AND ANTI-THEFT SYSTEMS. WE OFFER A VARIETY OF SUCH SYSTEMS, FROM THE SIMPLEST "HOUSE" SYSTEMS WITH ONLY A FEW DETECTORS, TO COMPLEX SYSTEMS WHICH ALLOW BURGLAR ALARMS TO BE COMBINED WITH VIDEO SURVEILLANCE AND ACCESS CONTROL TO PROTECT EVEN THE MOST SENSITIVE BUILDINGS SUCH AS BANKS, EXCHANGE OFFICES AND OTHERS.

BURGLAR ALARM

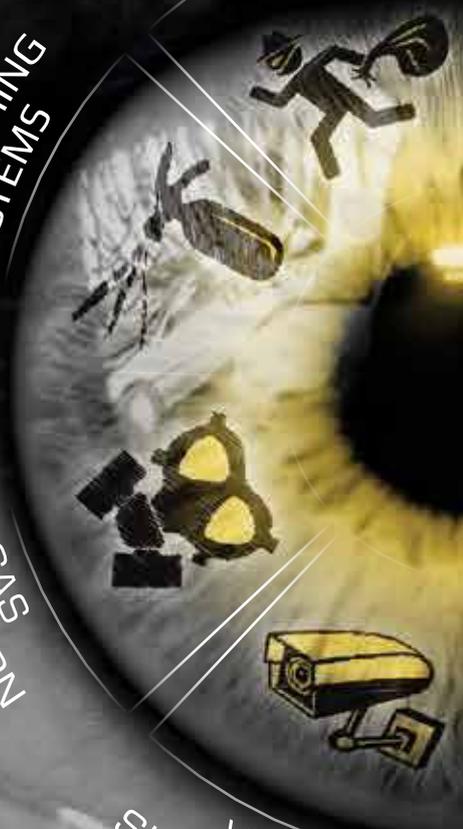
EXTINGUISHING SYSTEMS

GAS DETECTION

ZARJA CONTROL UNITS CAN CONNECT TO VARIOUS SENSORS TO DETECT INCREASED CONCENTRATION OF TOXIC OR COMBUSTIBLE GASES, AND REDUCED LEVELS OF OXYGEN. THE DETECTORS CAN BE CONNECTED TO THE CONTROL UNIT DIRECTLY OR THROUGH AN ADDRESSABLE INTERFACES. THE DETECTION OF GASES CAN ALSO BE DONE IN POTENTIALLY EXPLOSIVE ENVIRONMENTS.

VIDEO SURVEILLANCE

ZARJA VIDEO SURVEILLANCE SYSTEMS ARE COMPRISED OF CUTTING EDGE COMPONENTS THAT ENABLE OUR CLIENTS A MAXIMUM OVERVIEW OF THEIR FACILITIES. ZARJA'S VIDEO EXPERTS BUILD CUSTOM SYSTEMS PRECISELY TAILORED TO OUR CLIENTS NEEDS TO ENSURE MAXIMUM EFFECTIVENESS AND MINIMUM COST. SOME OF THE ADVANCED FEATURES OF OUR VIDEO SYSTEMS INCLUDE VEHICLE LICENSE PLATE RECOGNITION, FLAME DETECTION, KEEPING TRACK OF THE TOTAL NUMBER OF PEOPLE, AND MOTION ACTIVATED CAMERAS.



ZARJA ACCESS IS AN ACCESS CONTROL SOLUTION FOR ANY BUILDING. ITS FLEXIBLE DESIGN, VARIETY OF MODULES AND POWERFUL SOFTWARE PROVIDE SOLUTIONS FOR A WIDE RANGE OF APPLICATIONS OF DIFFERENT SIZES AND COMPLEXITY - FROM SMALL SYSTEMS, SUCH AS RESIDENTIAL UNITS, TO LARGE SYSTEMS, SUCH AS OFFICE PREMISES AND INDUSTRIAL COMPLEXES. A MODULAR ARCHITECTURE AND RICH SET OF PERIPHERAL UNITS ENABLE THE SYSTEM TO BE UPGRADED OR EXPANDED AT ANY TIME DURING ITS LIFE-TIME.

ACCESS CONTROL



ATTENDANCE

EMPLOYEES ARE THE GREATEST ASSET OF A COMPANY. THEIR WORKING TIME IS ONE OF THE MOST IMPORTANT RESOURCES, AND ALSO ONE OF THE MOST EXPENSIVE. MANAGING THE WORKING TIME OF EMPLOYEES IS OF KEY IMPORTANCE FOR EVERY COMPANY.

ZARJA ATTENDANCE SOLUTIONS ENABLE:

- o ACCURATE TIME ATTENDANCE RECORD KEEPING OF EMPLOYEES USING PREDEFINED SCHEDULES.
- o WEB ACCESS TO AN EMPLOYEE'S OWN TIME ATTENDANCE RECORDS.
- o POWERFUL SOFTWARE TOOLS FOR MANAGING AND REPORTING COLLECTED DATA.
- o MODERN AND ATTRACTIVE REGISTRATION TERMINALS.
- o ABSENCE PLANNING AND MANAGEMENT.
- o PROJECT TIME MANAGEMENT.

HOTEL SOLUTIONS

ZARJA OFFERS INTEGRATED SOLUTIONS FOR ACCESS CONTROL AND HOTEL ROOM SUPERVISION.

A CONTEMPORARY HOTEL ROOM ACCESS SOLUTION SHOULD NOT ONLY ENSURE THE SECURITY OF THE GUESTS, BUT MUST ALSO BE SIMPLE, CONVENIENT, AND DISCRETE. THE ZARJA HOTEL SECURITY SYSTEM IS BASED ON THE ESTABLISHED ZARJA ACCESS CONTROL SOLUTION WHICH USES ELECTRONIC RFID CARD IDENTIFICATION.

THE SYSTEM IS EASY TO USE FOR HOTEL GUESTS AND STAFF, AND PROVIDES ALL THE NECESSARY FUNCTIONALITY.

FIRE DETECTION

EARLY DETECTION AND ALARM SYSTEMS ARE OF CRUCIAL IMPORTANCE WITHIN THE ENTIRE SPECTRUM OF MEASURES TO ENSURE FIRE SAFETY. ZARJA FIRE DETECTION SYSTEMS ARE DESIGNED TO DETECT FIRE AT THE EARLIEST STAGES AND TO THE MAXIMUM POSSIBLE EXTENT, CONTRIBUTE TO THE EFFECTIVENESS OF ALL OTHER MEASURES TO PREVENT THE SPREAD OF FIRE AND, CONSEQUENTLY, MAJOR MATERIAL DAMAGE - NOT TO MENTION INJURY AND LOSS OF LIFE.

ZARJA'S FIRE DETECTION SYSTEMS OFFER VARIOUS MODULAR CONTROL PANELS, DETECTORS, AND ADDRESSABLE INTERFACES WHICH CAN MEET THE REQUIREMENTS OF THE MOST ADVANCED MODERN BUILDING COMPLEXES AND SATISFY EVEN THE MOST DEMANDING REQUIREMENTS OF THE CLIENT.



THE AMS 200 ALARM MANAGEMENT SYSTEM

The AMS 200 enables the integration of fire detection and suppression systems, as well as the Zarja Elektronika gas detection system and the DSC burglar alarms.

- A complete and clear overview of the system at all times.
- The option of hierarchically organised fire detection systems, so commands can be sent individually to different parts of the system.
- Graphical maps can be imported directly from AutoCAD drawings or bit images.
- The operator can receive colour-coded information about the type of alarm, and this is supported by text event description in a separate alarm/event window.
- Full guidance for alarm interventions can be added for each alarm event.
- The levels shown are organised hierarchically and navigation to the source of the alarm is done by a click of the mouse, which ensures the user that even at a complicated site he or she knows exactly which part of a building is currently being shown on the monitor.
- History for browsing is separated for alarm and non-alarm events, and includes time schedule filtering.
- Alarm events can be sent as e-mails or text messages to interested or responsible personnel.

THE AMS 100 ALARM MANAGEMENT SYSTEM

The AMS 100 enables the integration of fire detection and suppression systems, as well as the Zarja Elektronika gas detection system and the DSC burglar alarms.

- Suitable for protected premises where only an event log for browsing history needs to be added.
- The operator receives information about the alarm event text form, and in a separate window for alarm and non-alarm events.
- Alarm events can be sent as e-mails or text messages to interested or responsible personnel.
- There is no need to place detection points on maps/floor plans.



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