ELECTRONIC

SECURITY ALARM SYSTEMS

JABLOTRON

JABLOTRON

About JABLOTRON

JABLOTRON ALARM a.s. is a private company established in 1990. At the beginning it had only a few employees and was originally intended to commission industrial applications involving computer technology. Due to a serious downturn in commissions in this field the company then turned to developing and manufacturing its own products for the electronic security market. The product range grew to meet the demands of the expanding Czech security market. With this growth in production and variety of products came the need for more space for our business operations.

With growing production there was also a continuous demand for new premises. At first Jablotron managed with restored areas of large buildings, but after 1998 bought its very own new premises in Pod Skalkou street, Jablonec to also include customer services such as the Sales, Technical Support, and Service Departments.

Jablotron opened subsidiary companies in Taiwan and Slovakia to promote top-standard and effective business activities abroad, the main goal of these being the global marketing of Jablotron products.

In 2005 the JabloCom company was established: which specializes in the design, development and production of GSM terminal devices such as the „big mobiles", communication appliances, voice and image processing, and network and central monitoring solutions.

The Jablotron Group, with all its subsidiaries, has 10,000 m² and over 250 employees at its disposal. Jablotron Group's annual sales figures has reached over 1 billion Czech crowns (35 million Euros), mainly due to thriving exports to practically the whole world. We maintain a quality management system which fulfils the requirements of ISO 9001:2001 and we offer high quality production and have highly controlled processes which we have implemented since 1999.

Development

This covers the innovation and design of electronic security devices for homes and businesses, remote home automation, communications, advanced car alarms and baby breath monitors. JabloCom is focused on the design and development of GSM terminal devices, communication applications, voice and image processing, network solutions & central monitoring.

Sales and Marketing

The Czech and Slovak market is based on a network of loyal wholesalers. Jablotron's Export Department has achieved an impressive sales growth into more than 70 countries all over the globe. Expanding this market mainly takes the form of organized training sessions for existing and new installer companies.

Production

In this field JABLOTRON ALARM a.s. provides technical data and support for its products (bill-of-material documentation, the construction of electronic test jigs and quality systems). Jablotron organises and monitors the realisation of short production runs, prototypes and test runs for new products. Sophisticated electronic manufacturing of prototype series and regular series production is performed by various world-class outsourced production companies, both home and abroad.

Training sessions

Jablotron paves the way to co-operating with existing and new installation companies through professional training sessions. Our tried-and-tested training methods which have repeatedly lead to more adoption of our products in the market has even been effectively adopted by our international distributors.

Our mission

Jablotron develops and manufactures electronics, especially in the field of security systems, home automation and communications. Being flexible and innovative we are capable of bringing technically new solutions to the market ahead of most of our competitors.

Our marketing and sales strategy is based on providing permanent and systematic support to installers and integrators who decide to implement our products. Every one who is genuinely interested in serving his/her customers in a fair and professional manner is welcome to join our large scale "Jablotron family". We understand and take it seriously that long-term prosperity can only be achieved by both the end users and the people dealing in our products being truly satisfied.

Jablotron started in the year 1990 from zero and so far we have good recognition in the markets we sell to. We have never lacked courage in bringing new thoughts and dreams into existence. While providing training and support to the people who install and use our goods we also carefully listen to their ideas on how to improve what we make. We do not want to boast, but we would really be happy if you would give us a chance to prove to you that Jablotron is the right choice for you.

Ing. Dalibor Dedek, Managing Director

Awards received

JABLOTRON ALARM a.s. is frequently given awards for its products from many important security shows around Europe and Asia.

JA-80 OASiS
Gold Amper 2009, Prague, Czech Republic
ELO SYS 2007, Slovakia
Grand Prix Pragoalarm 2007, Prague, Czech Republic
Silver Winner HKEIA AWARD 2006, Hong Kong
Prize for "Best Design 2005", Prague, Czech Republic

JA-63KRG Electronic Security Alarm System
ELO SYS 2005, Slovakia
Gold Medal Coneco 2004, Bratislava, Slovakia
Gold Zbroja 2004, Securex, Poznan, Poland
Grand Prix Security Bratislava 2004, Slovakia

JA-60GSM Communicator
Grand Prix Amper 2004, Prague, Czech Republic

ATHOS CA-1201 GSM Car Alarm System
Exhibition prize: Prix Security Bratislava 2004, Slovakia

JA-65 MAESTRO Control Panel
Grand Prix Pragoalarm 2002, Prague, Czech Republic
Secutech Innovation Award 2002, Taipei, Taiwan

JA-60 COMFORT Wireless Electronic Alarm System
Securex, Gold Medal 2003, Poznan, Poland
Main Prize, Prix Security 2002, Bratislava, Slovakia
Grand Prix, Pragoalarm 2001, Prague, Czech Republic
Secutech Innovation Award 2001, Taipei, Taiwan

Wireless House Security System

JA-82K

JA-83K

Control Panels OASiS

JA-82K / JA-83K

OASiS control panels are modular systems, which provide 50 addresses for wireless devices (01 to 50). It is based on a main board which offers 4/10 hard-wired zones. The main board can be extended with other expansion modules – the JA-82R is a radio module which enables you to enrol up to 50 JA-8x wireless items to the control panel, the JA-82C is a module for another 10 hard-wired inputs, which expand the capacity of the control panel to up to 14/30 hard-wired zones. OASiS uses the reliable 868 MHz communication band for radio communication. The security of wireless communication is maximized by the use of a floating code and digital transmissions. Installation is done easily via a directly or remotely connected computer. Wireless detectors of the OASiS system are powered by 3.6 V lithium batteries with a 3 year life time. The capacity of batteries is checked regularly and need of replacement is reported. Connected devices can be assigned to 3 sections: A, B or C. Assignments to sections either have an effect when partial setting is used (A, AB, ABC is set) or if the system was split into two independent partitions A and B, with a common section C. The control panel is controlled by keypads, remote controls or remotely e.g. by mobile phone via one of the communicators. The RFID card reader is built into the system keypad. The system can be controlled by up to 50 codes or cards. Important events in the system are saved in the internal memory of the control panel, i.e. the last 255 events with the date and time stamp. Optional communicators can be supplied for the control panel – a GSM communicator, a combined LAN/PSTN communicator or a voice PSTN one which can be combined with a GSM communicator. When a suitable communicator is used, the user can be reported to by SMS message on his personal phone about selected events, detailed reports are sent to the ARC and the installer can also be informed about a need for service. Remote access to the system is possible from a mobile phone or by Internet as well as the user being able to operate devices in the house (heating system, sun-blinds, illumination etc). There are two programmable outputs in the control panel, PGX and PGY whose functions can be configured. The PG outputs are not only available as physical control-panel terminals, but also as radio signals for the control of UC and AC receiver outputs. The control panel offers many other automation functions. A heating system can be optimized and energy used efficiently when wireless thermostats are used. The wide range of wireless detectors, controllers, sirens and automation modules offers maximum variations of solutions tailored to customer's needs. Simple and modern design of the OASiS components enables installation to every interior. The system was developed with regard to easy installation (mains-powered control panel, optional communication modules, comfortable programming from PC or Internet) and mainly with regards to comfortable and easy operating and monitoring of the system by the user. All texts in OASiS are editable to provide clear and understandable information.

Communication band	868 MHz
Number of zones	50
Number of wireless zones (with JA-82R)	up to 50
Zone bypassing	permanent or temporary
Number of sections for partial setting	3 – A, B, C
Number of subsystems for a split system	2 with a common section
Number of operating codes	50 users + 1 service one
Number of operating cards	50
Events memory	255 last with time and date
Voltage	230 V, 50 Hz
External warning output EW	switching to GND, max. load 0.5 A
Internal warning output IW	switching to GND, max. load 0.5 A
Programmable output PGX, PGY	max. 0.1 A, switching to GND
Complies with	EN 50130-4, EN 55022, EN 60950-1
SPECIFIC VALUES	
Number of hard-wired zones	
JA-82K	4 (maximum 14)
JA-83K	10 (maximum 30)
Back-up battery	
JA-82K	12 V, 1.3 Ah or 2.2 Ah
JA-83K	12 V, from 7 to 18 Ah
Back-up power supply output	
JA-82K	12 V, 400 mA permanently, max 700 mA, temporary up to 1A
JA-83K	12 V, 1.1 A permanently, temporary up to 2 A
Dimensions	
JA-82K	258 x 214 x 77 mm
JA-83K	359 x 297 x 105 mm

JA-80 OASiS

JA-80Z

Communication band	868 MHz
Number of wireless zones	40
Number of hard-wired inputs	1
Voltage	230 V, 50 Hz
Back-up battery	12 V, 2.2 Ah
Back-up power supply output	0.7 A permanently
External warning output EW	switching to GND, max. load 0.5 A
Internal warning output IW	switching to GND, max. load 0.5 A
Programmable output	PGX, PGY max. 0.1 A, switching to GND
Dimensions	258 x 214 x 77 mm
Complies with	EN 50130-4, EN 55022, EN 60950-1

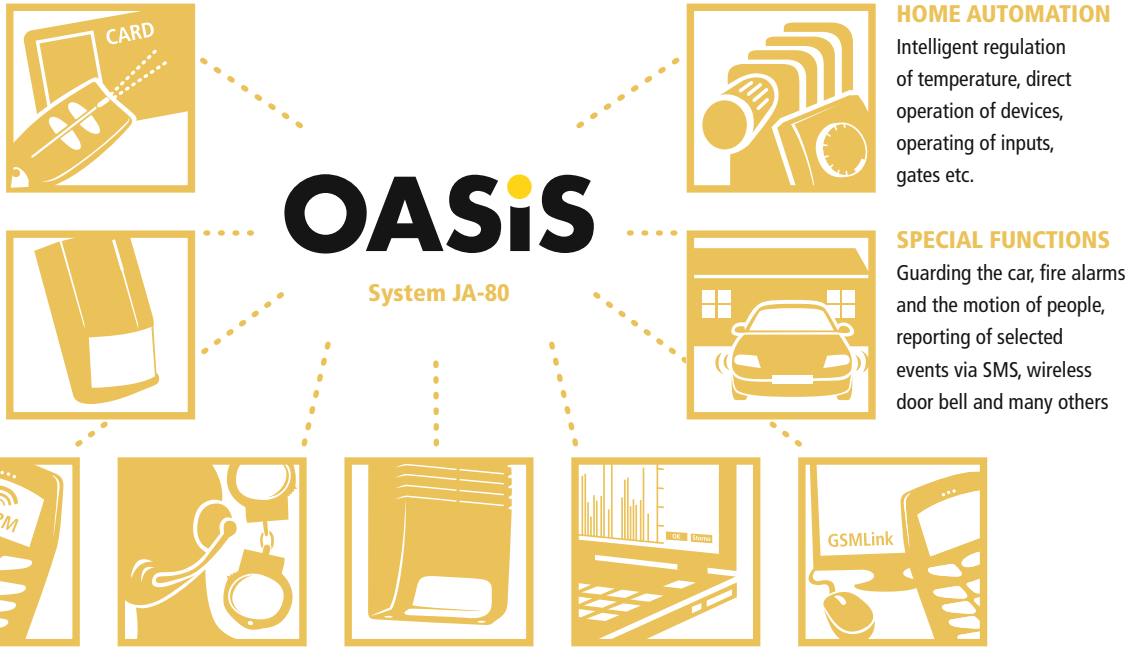
Repeater

The OASiS repeater is used for extending the communication range in places where due to local conditions some remote components cannot communicate with the control panel directly. The repeater sends the signal from the detector with a short delay to prevent any conflict with the detector's transmission. The repeater offers 40 addresses and copies the status of the outputs PGX, PGY, IW and EW of the OASiS control panel. The repeater does not work with the JA-84P detector, JA-8xF keypads and JA-80A siren.

OLink

Programming Software

OLink software provides an installer with an easy way to set and program all the parameters of the system in a pleasant user environment. A user can operate and monitor his system and change the available functions. A **JA-80T** USB interface is used for connecting the control panel with a computer, a Bluetooth version of the interface is also available (**JA-80BT**).



OPERATING
System keypads, wireless controllers – key fobs, RFID cards – up to 50 automatic timers

DETECTORS
up to 50 addresses

HOME AUTOMATION
Intelligent regulation of temperature, direct operation of devices, operating of inputs, gates etc.

SPECIAL FUNCTIONS
Guarding the car, fire alarms and the motion of people, reporting of selected events via SMS, wireless door bell and many others

COMMUNICATION
Sending SMSes about system status to users, forwarding reports to ARCs, voice calling, building bugging, remote access and remote control via GSM/GPRS, LAN/TEL or voice PSTN communicator

ARC CONNECTION
IP, Jablotron GPRS or CID protocol transmission to ARC

SIRENS
external, totally wireless, interior wireless, special outputs for hardwired sirens

DIRECT CONNECTION TO A PC
Programming, monitoring – events statements, operating the system, operating automation in a building

REMOTE ACCESS
Via GSM network (GPRS, SMS and voice), via Internet, through PSTN lines, programming, operating the system, monitoring, home automation

Communicators

GSM Communicator

JA-80Y

Compatible with JA-8x control panels	
Voltage	12 V DC (from the control panel)
Standby consumption	approx. 35 mA
Peak consumption (while communicating)	1 A
Communication frequency GSM	900/1800 MHz
Output power of transmitter	2 W for GSM 900, 1 W for GSM 1800
Communication channels	GSM voice/SMS/GPRS data
Phone numbers for phone calls	8
Protocols (ARC)	Contact ID, SMS CID, IP CID
Simulated telephone line output	
AUX output	60 V/100 mA
Socket for connection of PC to Internet	
Complies with	EN 50131-1, EN 50136-2-1, as: ATS 4, ATS 5 if CID protocol is used and the repeating period is set to zero

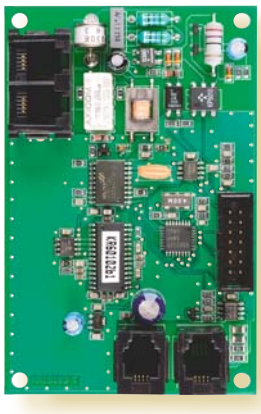
The abilities of the OASiS system are extended by the optional JA-80Y GSM communicator. GSM communication improves the security of data transfer from the control panel in comparison to a PSTN connection. The JA-80Y offers data transmission to ARCs and the transfer of detailed information about the system via SMS messages (optionally supplemented by a warning call) to the user of the system using up to 8 phone numbers. The structure of sent events is programmable. The communicator allows two-way remote service access to the control panel via the www.GSMLink.cz secure website or from a phone via DTMF commands. The user can monitor and operate the security system on the website and up to 3 devices in the building can be independently controlled. Operating the system and switching devices is also possible via a command SMS, DTMF commands from the keypad of a phone, calling from a regular phone or from the Internet. The user also has a full GSM telephone service in the building by connecting an SMS phone to the simulated telephone line of the JA-80Y communicator – also giving phone calls with caller identification including sending and receiving SMSes. Using a connected phone it is possible to program automated panic calls activated by picking up the receiver. It can also be used as a system keypad. Bugging and voice communication in the building is possible by connecting an SP-02 intercom. The JA-80Y communicator also allows you to connect a PC to the internet via GPRS data.

LAN / TEL Communicator

JA-80V

Compatible with control panels type JA-8x	
Voltage	12 V DC (from the control panel)
Standby consumption	approx. 35 mA
Phone numbers for phone calls	8
Protocols PCO	Contact ID, IP CID
Complies with	EN 50131-1/2006, EN 50136-1-1, 2-1 as: ATS 5 if ID CID protocol is used and the repeating period is set to zero

The JA-80V communicator is used for reporting events and communication via a LAN (Ethernet) computer network and also via a PSTN line. It allows reporting events in the form of SMS messages (up to 8 phone numbers), reporting events by phone calls with the forwarding of an acoustic signal and data forwarding to 2 ARCs. The communicator allows two-way remote access to the control panel. It is possible to operate and program the system remotely via phone (dial in and use of keypad or via SMS commands) or via the secure website www.GSMLink.cz. It is possible to connect the communicator either to a LAN network or to a PSTN line. If only the PSTN line is connected, it is possible to operate the system remotely via phone, report events via SMS, make phone calls and report to one ARC in CID protocol. If there is only a LAN connection then remote access via the Internet and event reporting to one ARC in IP CID protocol is possible.



Voice Module

JA-80X

Compatible with control panels type JA-8x	
Voltage	12 V DC (from the control panel)
Phone numbers for phone calls	4
Protocols (ARC)	Contact ID
Complies with	EN 50136-1-1, EN 50136-2-1, ANSI C63.4, EN 55022, EN 50130-4, EN 60950-1

The JA-80X voice module is used for the reporting of voice messages from the OASiS system via a PSTN line. It allows the recording of up to 5 voice messages which can be forwarded to up to 4 phone numbers. The communicator can also forward reports to ARCs in CID protocol. It is connected to the control panel bus by an RJ cable and it is possible to install it separately or in connection with a JA-80Y or JA-80V communicator. The communicator allows remote operating and programming of the system from a phone by DTMF commands.

and Sirens OASiS

JA-68 Universal Output Module

Voltage	12 V DC (from the control panel)
Standby consumption	4 mA
Peak consumption	50 mA
Outputs	8 semiconductor switches + 1 switch over relay
Maximum current for single output activation	200 mA
Maximum current for C, NC or NO activation	1A/60 V
Minimum output activation time	10 sec.
Complies with	EN 50130-4, EN 55022

The module provides eight factory pre-programmed semiconductor outputs and a switch-over relay output and is suitable for the systems of the JA-80 OASiS, JA-63 PROFI and JA-65 MAESTRO series. The relay can be configured using 10 DIP switches which allows for multiple function assignment. There is no limit to the number of JA-68 modules used in the system and the JA-68 module can be combined with GSM, LAN or PSTN (landline) communicators.

SP-02 Speaker Phone

Voltage of speaker phone	2x alkaline battery AA 1.5 V
Authorised phone numbers	8
Communication standard	ETSI EN 300 001 V3.1.1 (2000-12)

The speaker phone allows the user calls to the building and listens or speaks to the protected area from authorised phone numbers. It is possible to switch between speaking and listening (intercom). The device is connected to the PSTN line or to the JA-80Y communicator.

JA-80A Wireless External Siren

Communication band	868 MHz
Voltage	Jablotron BAT-80 lithium battery (included)
Calculated battery lifetime (connection frequency every 50 s, flashing switched off)	approx. 5 years
Siren	piezoelectric, 112 dB
Max. acoustic signal of siren	3 minutes
Max. time of flashing	30 minutes after alarm
Communication range	approx. 300 m (open area)
Enclosure protection	IP 34D
Dimensions	230 x 158 x 75 mm
Operating environment	class IV outdoor

The JA-80A wireless external siren is used for wireless communication with radio control panels of the JA-8x series. The siren is totally wireless, powered only by a lithium battery and there is no need for an external supply. Installation is therefore easily done and there is no need to find suitable supplies in the attic and a difficult power supply solution is avoided. The siren warns the surrounding area when a building is intruded. Handling which is not authorised such as tearing the siren off the wall, opening the cover etc is signalled to the system. Communication with the control panel is two-way. The siren regularly checks its functions, battery status and checks transmissions to keep the radio connection.

JA-80L Wireless Indoor Siren

Communication band	868 MHz
Voltage	230 V, 50 Hz, 1 W
Siren	piezoelectric, 95 dB/1 m
Sounds (melodies)	8 optional
No. of remote buttons and detectors	8 of OASiS type and control panels type JA-8x
Communication range	approx. 100 m (open area)
Dimensions	90 x 65 x 45 mm
Security grade	2 (EN 60950)
The JA-80L complies with ETSI EN 300220, ETS 300683 and EN 60950	

The JA-80L wireless siren is mains-powered and is used as a high-performance interior siren for control panels of the JA-8x line. It can also work as a sounder for entry and exit delays when placed near the entrance to a building and it can also confirm setting and unsetting of the system. If the siren is disconnected while there is an alarm, it reports tampering. Another additional function is the signalling of detector triggering (e.g. somebody enters the building). It can also be used as a wireless door bell when used with RC-89 or RC-88 buttons. The siren is able to react to events from several different detectors and match the different sounds or melodies to them.

System Keypads

LCD Wireless Keypad with RFID Reader — JA-80F

Communication band	868 MHz
Voltage	2x lithium battery type CR123 (3 V)
Power supply adapter (optional)	DE01-12
Calculated battery lifetime	approx. 3 years
Communication rage	approx. 100 m (open area)
RFID cards	Jablotron PC-01 or PC-02 (EM UNIQUIE 125 kHz)
Input for door detector	NC
Dimensions	113 x 121 x 63 mm
Environment according to EN 50131-1	II. internal (-10 to +40 °C)
Security grade	2 (EN 50131-1, CLC/TS 50131-3, EN 50131-5-3)

The keypad is used for wirelessly operating and programming JA-8x series systems. It has a built-in RFID card reader. The keypad uses two-way radio communication with the control panel. The status of the control panel and of the doors and windows (opening) is signalled on an LCD display, LEDs and a built in acoustic indicator. The keypad also has two functional keys for quick setting and two levels of partial setting. The keypad also offers another hardwired input to the system. It has input terminals to which additional sensors can be connected – e.g. a magnetic detector for door opening. The type of reaction to triggering the wired input can be set at the control panel. All keypad text can be easily edited, even directly from the keypad or conveniently via computer and OLink software (the keypad must be connected by cable to the bus to change the keypad texts). Every keypad in the system can have its own texts. The keypad switches itself to sleep mode after 20 seconds because of battery saving. This mode can be terminated by touching a key, opening the cover or triggering the connected detector. Sleep mode can be suppressed by the connection of a DE01-12 mains power adapter. The **JA-80E** is a hard-wired version of the LCD keypad.

Wireless Keypad with Graphics Display — JA-81F

Communication band	868 MHz
Voltage	2x lithium battery type CR123 (3 V)
Power supply adapter (optional)	DE01-12
Calculated battery lifetime	approx. 3 years
Communication rage	approx. 100 m (open area)
RFID cards	Jablotron PC-01 or PC-02 (EM UNIQUIE 125 kHz)
Input for door detector	NC
Dimensions	120 x 130 x 30 mm
Environment according to EN 50131-1	II. internal (-10 to +40 °C)
Security grade	2 (EN 50131-1, CLC/TS 50131-3, EN 50131-5-3)

The JA-81F is an OASiS keypad with a totally new slim design and with a graphics display. The keypad has not only the same features as the previous type JA-80F, but also offers an extended internal menu where users can easily configure their keypad (there is a switchable chime and also display parameters can be set easily). The keypad switches itself to sleep mode after 20 seconds because of battery saving. The keypad door has a switch for fast activation of the keypad from sleep mode for easy operation of the built-in RFID card reader. The keypad is used for wirelessly operating and programming JA-8x series systems. The keypad uses two-way radio communication with the control panel. The status of the control panel and of the doors and windows (opening) is signalled on a graphics display, LEDs and a built in acoustic indicator. The keypad also has three functional keys for quick setting and two levels of partial setting. It has input terminals to which additional sensors can be connected – e.g. a magnetic detector for door opening. The type of reaction to triggering the wired input can be set at the control panel. All keypad text can be easily edited, directly on the keypad or conveniently via a computer and OLink software. Every keypad in the system can have its own texts. A comfortable version of the keypad offers 7 selectable colors of display illumination. The **JA-81E** is a hard-wired version of the keypad.

Cards and Tags — PC-01 / PC-02

RFID card	EM UNIQUIE 125 kHz

The PC-01 is a contact-free RFID card for operating the system. It is possible to program up to 50 access cards in an OASiS system. Presenting a card can also require a code entry for higher security, if programmed. The PC-02 is an access card with a "key fob" shape.

and RFID Readers

JA-80H External Keypad with RFID Reader

Voltage	10 to 16 V DC
Standby consumption	approx. 60 mA
Enclosure protection	(EN 60529) IP 65
RFID cards	Jablotron PC-01 or PC-02 (EM UNIQUIE 125 kHz)
Dimensions	46 x 150.5 x 22.5 mm
Length of supply cable	1 m
Enclosure protection	(EN 60529) IP 65
Security grade	2 (EN 50131-1, TS 50131-3)

The JA-80H keypad can be used in two modes – either as an external system keypad for the JA-8x control panel or as access control (door lock). The keypad has a built in RFID reader and can be installed outside a building. The keypad is connected to the OASiS control panel via a WJ-80 interface. When a valid code is entered or a valid card is presented and the keypad is in access control mode, the door will be opened together with triggering an entry delay if it is set. There is also a button with a door bell function on the keypad. When the button is pressed, the WJ-80 interface sends a radio signal for a JA-80L indoor wireless siren. The **JA-80N** is a version with an external RFID card reader only.

WJ-80 Wiegand Interface Module

Compatible with JA-8x control panels	
Voltage	supplied from the control panel bus
Standby consumption	approx. 60 mA (including JA-80H keypad)
Load capacity of output relay	max. 5 A/60 V
Communication band	868 MHz
Communication protocol with keypads	Wiegand 26b
Dimensions	76 x 110 x 33 mm
Security grade 2	(EN 50131-1, EN 50131-5-3)

The WJ-80 interface is used for the connection of a JA-80H external keypad or a JA-80N RFID card reader to a JA-8x control panel. It provides an output for an electric door lock, it has an input for a lock-opening button and wirelessly sends a door bell signal. The output for an electric door lock can react to the OASiS control panel's PGY output. The interface can also be used for connecting a non-Jablotron external keypad (reader) to the system with Wiegand 26b protocol (e.g. HID RK-40 and RK-10).

Do you care about your property?

Nowadays, it is not sufficient to lock the entrance door or to rely on neighbours´ watchfulness. A high fence, bars on the windows, solid blinds and guard gates can make a thief's work more difficult, but they cannot stop him. On the other hand, a thief can be attracted to a house or a flat with a "fortress" style. An electronic security system can be used as an effective and reliable guard. The sirens sound at the property and information about the alarm is forwarded to the owner's mobile phone and best of all, also directly to a security agency – to an ARC.

Wireless Detectors

PIR Motion Detector — JA-80P

The JA-80P PIR motion detector detects human body movement inside buildings. It is designed mainly to be used in buildings with many entrances. The response of the system to building entry is either instant or delayed. Built-in tamper sensors protect against unauthorized opening or removal from its location. The detector performs regular self-testing and regularly reports its condition to the system for full supervision. In places where there is a higher chance of false alarms the detection mode can be changed by altering a link. As an option, corridor, curtain and pet lenses can be used. The JA-80P also provides a wired input and has an input terminal where additional detectors such as magnetic door detectors can be connected.

Communication band	868 MHz
Voltage	1x lithium battery AA 3.6 V
Calculated battery lifetime	approx. 3 years (5 min. sleeping mode)
Communication range	approx. 300 m (open area)
Detection method	dual PIR with digital processing (2 levels)
Coverage	12 m
Angle	120°
Optional lenses	corridor, curtain, pet
Input for external detectors (IN)	NC
Dimensions	110 x 60 x 55 mm
Security grade	2 (EN 50131-1,CLC/TS 50131-2-2, EN 50131-5-3)
Complies with	ETSI EN 300220, EN 50130-4, EN 55022, EN 60950-1

Combined Detector — JA-80PB

The JA-80PB combines the dual technology of a PIR motion senor with a glass-break sensor for far easier home security system installation. Each sensor is enrolled to the control panel separately and has its own address. Optional lenses such as corridor, curtain or pet lenses can be used. In places where there is a higher chance of false alarms the detection mode can be changed by altering a link. The glass-break sensor reacts to air pressure changes and sound analysis is performed. This ensures a high immunity to false alarms. The JA-80PB also provides a wired input and has an input terminal where additional detectors such as magnetic door detectors can be connected.

Communication band	868 MHz
Voltage	1x lithium battery AA 3.6 V – PIR and 1x lithium battery 1/2AA 3.6 V – GBS
Calculated battery lifetime	approx. 3 years (5 min. sleeping mode)
Communication range	approx. 300 m (open area)
Detection method	dual PIR with digital processing (2 levels)
Coverage with the supplied lens	12 m
Viewing angle	120°
Optional lenses	corridor, curtain, pet
Detection range (GBS)	up to 9 m
Input for external detectors (IN)	NC
Dimensions	110 x 60 x 55 mm
Security grade	2 (EN 50131-1, CLC/TS 50131-2-2, EN 50131-5-3)
Complies with	ETSI EN 300220, EN 50130-4, EN 55022, EN 60950-1

Mini-Size PIR Detector — JA-85P

The JA-85P is a small-size wireless PIR sensor suitable for protecting small rooms or car interiors. It is designed for wall or ceiling installations. It uses digital signal processing to avoid false alarms. The JA-85P can also be used as a wireless detector for CA-18xx series ATHOS car alarms.

Communication band	868 MHz
Voltage	1x lithium battery AA 3.6 V
Battery lifetime	approx. 3 years (sleep time 5 min.)
Communication range	approx. 100 m (open area)
PIR sensor detection angle/detection range	360°/5 m
Dimensions	88 x 46 x 27 mm
Security grade	2 (EN 50131-1, CLC/TS 50131-2-2, EN 50131-5-3)

JA-84P Motion PIR Detector with Camera and Flash

Communication band	868 MHz
Detection method	dual PIR with digital analysis, 2 levels
Coverage with basic lens	12 m
Angle	120°
Optional lenses	long corridor, curtain lens, pet zone
Angle of the camera	50°
Range of the flash	3 m
Pictures resolution	160 x 128 pixels, black and white
LED indication	testing and low battery
Voltage	2x lithium battery CR123 (3 V)
Lifetime of the batteries	approx. 3 years (80 photos)
Communication range	approx. 300 m (open area)
Dimensions	110 x 60 x 55 mm
Complies with	EN 50131-1,CLC/TS 50131-2-2, EN 50131-5-3, grade 2

The JA-84P is a wireless PIR detector with a camera and a flash. It enables you to detect human motion in the guarded area and visually confirm an alarm. The camera takes black and white pictures with a resolution of 160 x 128 pixels. If there is motion detected while set, a sequence of 4 pictures is taken. The first picture is taken without a flash and 3 following with a flash second by second. The pictures are saved in the internal memory of the detector and an archive file (JPG format) is wirelessly transmitted to the control panel. From the control panel pictures are sent by a communicator (JA-80Y or JA-80V) out of the premises to a secure server, to a mobile phone, email or to the ARC. The JA-80Q module has to be installed in the control panel to enable picture transfer. The main task of the detector is to confirm an alarm caused by a person and distinguish it from a false alarm. There can be several motion detectors with a camera enrolled in the system.

JA-86P Dual-Zone PIR Motion Detector

Communication band	868 MHz
Coverage with basic lens	12 m
Angle	120°
Voltage	1x lithium battery 3.6 V AA
Lifetime of the batteries	approx. 3 years (5 min. sleep mode)
Communication range	approx. 300 m (open area)
Dimensions	180 x 60 x 55 mm
Complies with	EN 300220, EN 50130-4, EN 55022, EN 60950-1

It is designed to detect human body movement inside buildings. Detection in two zones is more immune to moving pets. The battery-powered detector communicates via OASIS radio protocol. The expected installation height is 120 cm above the floor. It is possible to set the reaction of its activation and also the level of the immunity to false alarms. The detector has two detection zones each of which covers an angle of 120° and a distance of 12 m. The imaginary dividing line between both zones is determined by the detector installation height.

JA-89P Outdoor Motion Detector

Communication band	868 MHz
Voltage	1x lithium battery AA 3.6 V
Lifetime of the batteries	approx. 3 years (120A Save mode)
Communication range	approx. 300 m (open area)
Angle	90°/ max. 10 m
Height of installation	0.8 to 1.2 m
Environment	IV. common outdoor
Cover	IP 54
Dimensions	198 x 80 x 108 mm

The outdoor motion PIR detector is based on a double-sensor motion detector produced by the company OPTEX. The detection range can be set in the axis of the optics from 1.4 to 12 m with a coverage angle of 90° and a deviation of about 45° on both sizes. The JA-89P detector is fully wireless and compatible with the JA-80 system made by Jablotron.

Wireless Detectors

Mini-Size Glass-Break Detector — JA-85B

A small-size glass-break sensor which detects window breaking. It is designed for building or car interior installations. The glass-break detector uses the analysis of air pressure variations combined with the characteristic sound of glass-breaking. It uses digital signal processing to avoid false alarms. The JA-85B can also be used as a wireless detector for CA-18xx ATHOS car alarms.

Communication band	868 MHz
Voltage	Lithium battery type CR 14505 (AA 3,6 V)
Calculated battery lifetime	approx. 3 years
Communication range	approx. 100 m (open area)
Detection range	9 m
Dimensions	88 x 46 x 22 mm
Security grade	2 (EN 50131-1, CLC/TS 50131-2-2, EN 50131-5-3)

Magnetic Door Detector & Universal Transmitter — JA-81M

It is designed to detect doors or windows opening. The door opening detector reacts to the removal of its magnet unit. It can trigger an instant or delayed intruder alarm. Unauthorized handling such as opening or removal from its location is monitored. It can also be extended by a normally closed/normally open sensor. It is also designed to detect the handling of roller blinds when connected to a CT-01. This is achieved by analyzing pulses from ratchet wheel movements in the CT-01. Small movements are filtered out so that wind blasts do not cause false alarms. The battery-powered detector communicates via OASIS radio protocol. **JA-81MB** – brown version of the magnetic door detector and universal transmitter.

Communication band	868 MHz
Voltage	1x lithium battery AA 3.6 V
Calculated battery lifetime	approx. 3 years
Communication range approx.	300 m (open area)
Input for external detectors IN2 and TMP = normally closed loops IN1 = normally closed or balanced loop (1k resistor)	
Dimensions	110 x 30 x 27 mm
Security grade	2 (EN 50131-1,CLC/TS 50131-2-6, EN 50131-5-3)

"Invisible" Window-Opening Detector — JA-82M

The JA-82M is designed for the detection of windows (door) opening. An "invisible" magnetic sensor is installed into plastic or wooden window frames and is therefore totally discreet. The detector is suitable for use with the majority of manufactured windows. Some types of metalwork is already prepared for the installation of this detector (e.g. MACO).

Communication band	868 MHz
Voltage	2x lithium battery type CR2354 (3 V)
Battery lifetime	approx. 3 years (max. of 5 activations/day)
Communication range	approx. 200 m (open area)
Dimensions	192 x 25 x 9 mm
Security grade	2 (EN 50131-1, CLC/TS 50131-2-6, EN 50131-5-3)

Universal Transmitter — JA-80D

The universal transmitter is used for the wireless transfer of signals from hard-wired detectors or output devices to the OASiS control panel via secure radio transmission. The transmitter has an optional input reaction (opened or closed) and offers an input for the connection of the tamper switch of the connected detector.

Communication band	868 MHz
Voltage	lithium battery AA 3.6 V
Lifetime of the batteries	3 years
Activating input	1x optional NO or NC
Sabotage contact of housing	yes
Dimensions	110 x 30 x 27 mm
Complies with	EN 50131-1, CLC/TS 50131-2-6, EN 50131-5-3, grade 2, ETSI EN 300220, EN50130-4, EN55022, EN 60950-1

JA-80S

Optical Smoke Detector

Communication band	868 MHz
Voltage	1x lithium battery AA 3.6 V
Detection methods	optical chamber / temperature sensor
Calculated battery lifetime	approx. 3 years
Communication range	approx. 300 m (open area)
Recommended max. coverage area	50 m³
Acoustic power of the built-in siren	80 dB/m
Dimensions	∅ 126 mm, height 65 mm
Complies with	EN 54-7, EN 54-5, prEN 54-25, ETSI EN 300220, EN 50130-4, and EN 55022, EN 60950-1

This smoke detector reacts to visible smoke or exceeding a critical temperature in a room caused by fire. If the concentration or temperature exceeds a pre-defined limit the detector sets off a fire alarm in the control panel and at the same time the danger is signalled by a built-in siren. The detector performs regular self-testing. The correct functioning of the detector can be checked by pressing the test button on the detector cover.

JA-80G

Gas-Leak Detector

Communication band	868 MHz
Voltage	230 V, 50 Hz, 2 W
Communication range	approx. 200 m (open area)
Gas detection	hot platinum filament
Coverage area	50 m³
Sensitivity	optional 10 or 20% LEL
Relay output	dry relay switchover contact max. 5 A/230 V AC
Acoustic power of the built-in siren	94 dB/0.3 m
Dimensions	100 x 73 x 39 mm
Complies with	EN 61779-1,4, ETSI EN 300220, EN 60950, EN 50130-4, EN 55022

The JA-80G gas-leak detector is activated by combustive gases or fume leakages (Natural gas, Methane, Propane, Butane, Acetylene, etc). When activated the detector sets off the fire alarm and warns by a built-in siren. Its relay output can be used for example to shut down the gas inlet by means of a suitable electric gas valve. The detector performs regular self-testing.

Invisible enemy

One of the biggest hidden dangers in your house is fire and gas leakage. Do you like to sit around the fire place or do you use gas for heating? Then be careful and use fire and gas leakage detectors for your peace and safety. The fire can be stopped before getting too huge and the gas can be stopped the same way. Fire can break out even during the night. So sleep calmly as the detectors never do.

Wireless RC Controllers

Key Fob — RC-86

The RC-86 is a component of Jablotron's OASiS 8x series alarm systems. It is designed to remotely control setting/unsetting, trigger panic alarms, and control other appliances. The big advantage is the possibility of configuring it partly or completely to 433 MHz (JA-60 systems, UC-216, UC-222 receivers etc). Then just using one key fob it is possible to operate 2 different systems on 434 and 868 MHz. A two button version of the case is also available. The user can independently control other devices, e.g. control panels and garage doors or the partial arming mode of the control panel. The key fob provides a useful button locking function. An easy procedure allows you to block the key fob from reacting to any buttons being pressed. Pressing two buttons simultaneously causes a PANIC alarm in the control panel.

Communication band	868 MHz / 433 MHz
Voltage	alkaline battery type L1016 (6 V)
Calculated battery lifetime	approx. 2 years
Communication range	approx. 30 m (open area)
Dimensions	52 x 18 x 12 mm
Complies with	ETSI EN 300220, EN 55022, EN 50134-2, EN 50130-4, EN 60950-1

Emergency Button — RC-87

The emergency button can remotely activate the emergency alarm or operate different devices. It is used mainly for the personal calling for help. The button can be worn like a wrist watch or around the neck on a cord. It is powered by battery.

Communication band	868 MHz
Voltage	lithium battery type CR 2032 (3 V)
Lifetime of batteries	approx. 3 years (1 activation a day)
Communication range	to 50 m (open area)
Environment	saved outside
Detection covering	IP 44
Working temperature	-25 to +50 °C
Dimensions	80 x 28 x 15 mm

Wall Button — RC-88

The RC-88 is mainly used as a wireless panic or emergency button in the JA-80 system. It is designed to be a remote control for setting/unsetting an alarm system or remotely controlling other appliances. It provides tamper contacts and monitors the voltage of its battery. The system reaction to button activation is optional. The basic reaction is a panic alarm or setting/unsetting the system (selectable). Other reactions can be chosen in control panel service mode.

Communication band	868 MHz
Voltage	lithium battery type CR14250SL (1/2 AA 3,6 V)
Calculated battery lifetime	approx. 3 years (depending on the setting and activation frequency)
Communication range	approx. 300 m (open area)
Dimensions	80 x 80 x 29 mm
Security grade	2 (EN 50131-1, EN 50131-5-3)

Doorbell Button — RC-89

The RC-89 works mainly as a doorbell button with a JA-80L siren. Up to 8 RC-89 units can be enrolled to one JA-80L, every door button with its own melody for easy identification. The RC-89 can be enrolled to the control panel as a hidden panic button or to AC and UC receivers to operate their relays.

Communication band	868 MHz
Voltage	alkaline battery type L1016 (6 V)
Calculated battery lifetime	2 years
Communication range	approx. 50 m (open area)
Environment	external, protected
Enclosure protection	IP 41
Operational temperature	-25 to +50 °C
Dimensions	80 x 28 x 15 mm
The RC-89 complies with	ETSI EN 300220, EN 55022, EN 50130-4, EN 50134-2, EN 60950

Remote Control — RC-85

This module is designed for car installation and to control devices (for example garage doors, parking entrance gates). It is powered by 12 V or 24 V from the car. It can also be used for panic alarm transmission from a car to an OASiS home security system.

Communication band	868 MHz
Voltage	12 - 24 V DC ± 30 %
Consumption	0/20 mA (only during activation)
Communication range	50 m (open area)
Dimensions	84 x 53 x 25 mm

and Relay Receivers OASiS

UC-82

Output Module

Communication band	868 MHz
Voltage	10 - 14 V DC
	approx. 20 mA stand by consumption
Communication range	
	with JA-80 detectors approx. 300 m
	with RC-8x remote controls approx. 50 m
Relays output load	max. 2 A/24 V DC or 2 A/120 V AC
Low bat. output	max. 100 mA/24 V
TMP output	max. 100 mA/24 V
Coding	digital floating code
Dimensions	76 x 110 x 33 mm
This product complies with	ETSI EN 300220, ETS 300683, and EN 60950

The module is able to communicate with JA-8x series control panels, wireless detectors and RC-8x remote controls. In combination with JA-8x control panels its output state copies the control panel programmable outputs. The output relay can be operated in various modes (according to the enrolled device): 1s impulse, 2min. impulse, toggling on/off… The receiver can also signal the panic state of an enrolled device, tampering and a low battery. The UC-82 can be used for the interfacing of wireless detectors to the wired inputs of non-Jablotron control panels. The UC-82 has its own housing tamper.

AC-82

Universal Receiver

Communication band	868 MHz
Voltage	230 V AC, 50 Hz
Input power	approx. 1 W
Communication range	
	with JA-80 detectors approx. 300 m
	with RC-8x remote controls approx. 50 m
Contact relay load	max. 2,5 A/250 V AC total
Safety fuse	max. 5 A
Coding	digital floating code
Dimensions	76 x 110 x 33 mm (antenna 35 mm)
This product complies with	ETSI EN 300220, ETS 300683, and EN 60950

This receiver is able to communicate with JA-8x control panels, wireless detectors, TP-8x wireless thermostats and RC-8x remote controls. It is powered by 230 V AC and has two output relays. In combination with JA-8x control panels its output state copies the control panel programmable outputs. Connection with JA-80 detectors enables you to automate some operations in your premises such as turning on a light by activating a detector, controlling ventilation etc. The output relay can be operated in several modes (according to the type of enrolled detector): 1s impulse, 2min. impulse, toggling on/off... The receiver can also signal the panic state of enrolled devices and tamper activation. Thanks to the highly-rated relay output contacts it is suitable for a house automation e.g. light switching, ventilation and other devices.

OASiS
Wireless RC Controllers, Relay Receivers

AN-80 / AN-81

External Antennas

Communication band	868 MHz
Impedance	50 Ω
Lead length	1.2 m

These antennas are designed for OASiS system wireless devices , communicating at a frequency of 868 MHz and equipped with a connector for an AN-8x series external antenna.

Have peace of mind as never before

Operating home security systems is easy and stress-free for everyone. Everything is arranged to make things intuitive and simple for users. Keypads, access cards and remote controls make it all so easy.

Wireless Thermostats

Programmable Indoor Thermostat TP-83

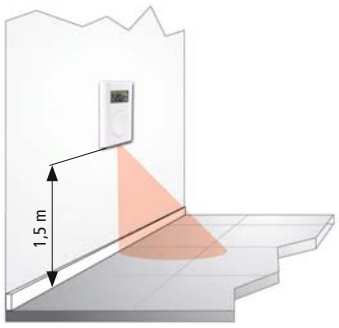
Communication band	868 MHz
Voltage	1x alkaline battery AA 1.5 V
Lifetime of batteries	approx. 1 year
Regulative temperature range	+6 to +40 °C
Temperature regulation accuracy	settable in steps ±0,1; ±0,2 and ±0,5 °C
The anti-freeze guard switches on the heater when the temperature sinks to	6 °C (settable +6 to +40 °C)
The freeze warning (Panic) is sent when the temperature sinks to	3 °C (settable -9 to +10 °C)
The fire warning is sent when the temperature is higher then	60 °C (settable +50 to +70 °C)
Communication range	approx. 100 m (open area)
Dimensions	66 x 90 x 22 mm

The TP-83 is a programmable home thermostat with a weekly program. It is used for comfortable and saving temperature regulation. The device is capable of recognizing warm-up persistence cha-racteristics (within 2 days) and will adjust the settings accordingly so that a high level of operational comfort is achieved. It is not necessary to find out how early the heating should start in order to get to a comfortable temperature at the desired time. The required timing is configured automatically. The thermostat is set and programmed by the turning knob. It communicates wirelessly with the receiving unit so the installation of the thermostat is really easy. The thermostat can be also combined with the OASiS system. Then a user can remotely switch on / off the heating system (using mobile phone, internet…), the heating system can be also blocked in the case of open windows or the user can receive a report about heater malfunction and the danger of freezing. When the temperature declines below 3 °C (settable) a warning SMS is sent – Panic, and when there is a temperature higher than 60 °C (settable) it informs about the danger of fire. If the heating is switched off remotely the thermostat still detects the anti-freeze temperature and switches on the heating when 6 °C is reached (settable). The thermostat is compatible with the receivers AC-83 and AC-82 or the AC-8014 multi channel receiver. The **TP-82** is the version without a weekly program.

Programmable Indoor Thermostat with IR Floor Sensor TP-83IR

Communication band	868 MHz
Voltage	1x alkaline battery AA 1.5 V
Lifetime of batteries	approx. 1 year
Regulative temperature range	+6 to +40 °C
Temperature regulation accuracy	settable in steps ±0,1; ±0,2 and ±0,5 °C
Freeze alarm (panic transmission) temperature threshold	< AL Lo, configurable from -9 °C to +20 °C
Fire alarm temperature threshold	> AL Hi, configurable from +30 °C to +70 °C
Communication range	approx. 100 m (open area)
Dimensions	66 x 90 x 22 mm
Complies with	ETSI EN 300220, EN50130-4, EN55022, EN 60950-1

The TP-83IR is a wireless indoor thermostat with a programmable weekly heating schedule. It is designed for indoor temperature regulation which balances economy with comfort. The device is capable of recognizing warm-up persistence characteristics (within 2 days) and will adjust the settings accordingly so that a high level of operational comfort is achieved. You need not find out how early the heating should start in order to get to a comfortable temperature at the desired time. The required timing is configured automatically. The thermostat is equipped with an IR sensor. This is especially suitable for under-floor heating control – using the IR- measured temperature floor heating regulation can be performed with higher precision and allows for a comfortable floor temperature with no additional risk of damaging the floor. The thermostat is compatible with AC-82, AC-83 and AC-8014 receivers.



Temperature adjustment can be performed by simply turning the setting knob. When combined with an OASiS wireless security system (Jablotron), then it is possible to switch the heating ON and OFF remotely (by mobile phone, remote control or Internet), disabling the heating when windows are open or inform the user about heating faults and frost or fire threats.

AC-83 Universal Receiver

Communication band	868 MHz
Voltage	230 V AC, 50 Hz
Wattage	approx. 1 W
Load of relays contacts	max. 2.5A /250 V in total
Communication range	with thermostats TP–8x approx. 100 m (open area)
Dimensions	76 x 110 x 33 mm (antenna 35 mm)

The AC-83 is a two-channel receiver communicating with detectors in the JA-80 OASiS system. The receiver is powered by 230 V AC. It can independently operate two heating circuits (relay X and Y) as a receiver for TP-8x wireless thermostats. The third output is used for a circulating pump and is closed when the X relay or Y relay is closed as well. All three relays can be activated automatically every 7 days for 6 minutes when the thermostat is enrolled to the receiver – the so-called cleaning function. The pump is protected against blocking-up this way mostly during the summer months. The thermostat can be combined with a PG output of a control panel for operating the heating system remotely e.g. via SMS messages. The heater can be blocked automatically when a window is open, if the thermostat for operating with an output is combined with door/window opening detectors or remote controllers. Even when the heating system is switched off remotely, the thermostat keeps the temperature above 6 °C through the AC-83. The **AC-82** is a version with two outputs without a relay for operating a pump.

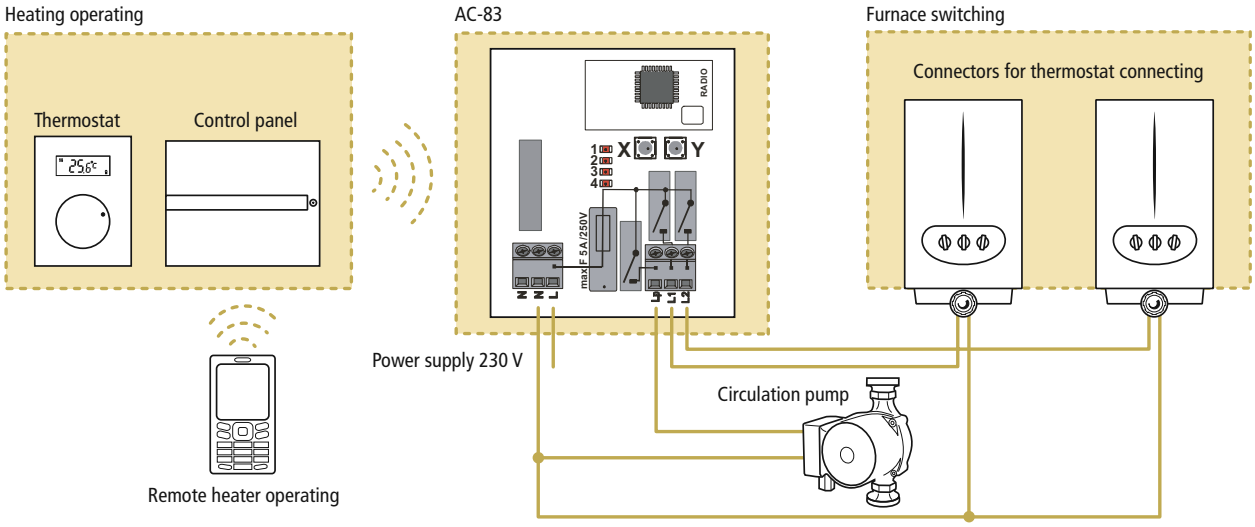
AC-8014 Multi Channel Receiver

Communication band	868 MHz
Voltage	230 V, 50 Hz
Stand-by consumption	0.05 A (non-working) max. 0.2 A
Maximum power	1.7 A
Load of output relay	max. 10 A/230 V
Output voltage 1-14 and terminal COM	24 V DC
Output load 1-14	max. 0.4 A on output (power in total for 1-14 cannot be higher then 1,7 A)
Communication range with thermostats	TP–8x approx. 100 m (open area)
Dimensions	258 x 214 x 77 mm

The AC-8014 is a fourteen channel receiver. It cooperates with TP-8x thermostats, wireless detectors of the system JA-80 and RC-8x controllers and also enables the connection of TP-87 bus thermostats. It operates with individual circuits of a multi circuit heating system when used with wireless thermostats. The receiver can also operate with the electro-valves of a floor heater, electro-heating system contactor etc. The receiver offers fourteen outputs switched by power transistors. The status of all the outputs is signalled by LED. It also has a relay output for operating a circulating pump. The output is closed when one of the fourteen (1-14) outputs is closed as well. The receiver also has a cleaning function for a pump which activates the relay every 7 days for 6 minutes. The activation of the heating system protects against dust settling and blocking-up the pump mainly during the summer months. A special feature is the MODE channel, which can be operated by programmable outputs of the control panel or by remote controller. The whole heating system can be remotely switched on/off through the MODE channel, but the anti-freeze mode is still on and starts heating when the temperature drops below 6 °C.

OASiS
Wireless
Thermostats

AC-83 Diagram of a controlled heating system



Wireless House Alarm

Control Panel

JA-63KR PROFI

Communication band	433 MHz
Number of hard-wired zones	4 programmable
Number of wireless zones (detectors)	16 (32)
Switching off an output zones	constant or temporary
Number of subsystems	2 with common section, up to 16 subordinated control panels
Number of controllers	8 (key fobs or keypads)
Operating codes	14 + 1 user codes, service one
Events memory	127 events with time and date
Voltage	230 V, 50 Hz
Back up battery	12 V, 1.3 Ah or 2.6 Ah
Back up power output	12 V, 400 mA constant, temporary up to 1,2 A
External siren output	12 V, 1 A
Alarm relay output	max. 60 V/1 A
Classification according EN 50131-1	grade 2
Attest NBU	category D
Dimensions	258 x 214 x 77 mm (antenna 160 mm)

The JA-63KR control panel is a hybrid system with 4 hard-wired and 16 wireless zones (2 wireless detectors can be enrolled to one zone). The control panel is also produced in a JA-63K version which offers only 4 hard-wired zones. Both versions are compatible with the GSM communicator JA-60GSM and the PSTN line communicator JA-65X. The control panel has a built in power supply and also enables the placing of a 12 V battery up to 2.2 Ah. Programming of both control panels is possible from the bus keypads, through direct connection to a PC with ComLink software, remotely with the use of the modem function of the JA-65X communicator or through the JA-60GSM communicator with the internet application on www.GSMLink.cz. The protection of wireless communication is performed by floating code digital data transmission between components and the control panel. The control panel also checks periodically the connection with its detectors and the jamming of the communication radio frequency. The system can be split into two independent subsystems and enable you to enrol another control panel. The hard-wired zones can be also set as opening ones, simple or double-balanced. The control panel is operated by bus keypads or wireless ones, by remote controllers or remotely by mobile phone as well. All the events are saved in the internal memory. The system has its own possibilities for the automation of the premises – programmable outputs remotely operated, wireless relays etc. The control panel can also be supplied a with built in PSTN line communicator (JA-63KRX), GSM communicator (JA-63KRG) or in the basic JK-05 kit with a JA-60F wireless keypad, a UC-260, internal siren JA-60P and N detectors, an RC-44 remote controller and an RC-28 wireless door bell button.

Control Panel

JA-65K MAESTRO

Communication band	433 MHz
Number of hard-wired zones	up to 16 programmable
Number of wireless zones (detectors)	16
Number of controllers	8 (key fobs or keypads)
Zone bypassing	constant or temporary
Number of sections	2 with a common section
Operating codes	14 + 1 user codes, service one
Events memory	127 events with time and date
Voltage	230 V, 50 Hz
Back up battery	12 V, 1.3 Ah to 7 Ah
Back up power output	12 V, 0,7 A constant, temporary up to 1,2 A
External siren output	12 V, 1 A
Alarm relay output	max. 60 V/1 A
Classification according	EN 50131-1 grade 2
Attest NBU	category D
Dimensions	275 x 295 x 85 mm (antenna 160 mm)

A modular control panel in a metal housing with a built-in power supply which can be extended by up to two JA-65H hard-wired modules, a JA-65R radio module or a JA-65X or JA-60GSM communicator. There is the space for the back up battery (up to 7 Ah) in the housing. Doing your own installation is very fast, and when wireless detectors are used, also with minimum interference to the interior. The setting can be done very comfortably by a connected PC or remotely via a PSTN line or the Internet (according to the communicator used). Another control panel can be enrolled as a subsystem to the one used, not just 16 detectors. The hard-wired zones can be set as simple or double-balanced, or as opening ones. Even the reaction of each zone can be set. The control panel is controlled by remote controllers, keypads, remotely via a phone or by the Internet. The important events in the system are stored in the internal memory. Guarding different parts of the premises separately is solved by splitting the system into two sections with a common section.

JA-60 PROFI 433 MHz

JA-65H Hard-Wired Output Module

This module provides terminals for the connection of 8 hard-wired zones. The triggering mode (NC, EOL resistor or double EOL resistor) and type of reaction is programmed in the control panel. Two JA-65H modules can be connected into one JA-65 control panel.

JA-65R Radio Module

The JA-65R module enables you to enroll wireless detectors, keypads, remote controls, sirens and UC receiving modules compatible with JA-60 systems. The JA-65R module has two-way communication at a frequency of 433 MHz. It is equipped with a thin-rod antenna and also with a connector for connecting an external antenna (recommended types: AN-01, AN-02, AN-03).

JA-60GSM GSM Communicator

GSM bands	900/1800 MHz
Number of phone numbers for communication	8
AUX output	dry contact max. 60 V/100 mA
GPRS modem connector for connecting a PC to the internet	
Simulated phone line output	

The JA-60GSM communicator is not only the means for communication from the security system, but it also extends the function of the system with its own features. It is compatible with all the control panels of the system of the JA-6x series. The JA-60GSM transmits data to the ARC through the voice channel in DTMF protocol, in data format via GPRS or data SMS. It provides the user with the possibility to transmit all the selected events by SMS or a phone call to up to 8 phone numbers. It also enables remote access to the control panel via www.GSMLink.cz for the programming, operating and monitoring of the system. It also offers a modem output for the internet connection of a PC. Remote operating and setting is also possible via SMS messages and a phone call through DTMF commands. In that mode, the phone keypad has the same function as a system keypad. The JA-60GSM enables remote operation with up to 3 independent devices. The communicator also provides a simulated PSTN line output, to which a regular phone (best with an SMS keypad) can be connected.

JA-65X Digital Communicator

Telephone line monitoring	optional
Voice message	2x 10 s or 1x 20 s
Up to 4 telephone numbers	
Up to 5 SMS messages	
ARC protocols	Ademco Slow, Fast a Expres, Telemax, Franklin, Radionics 2300 and 1400, DTMF 2300, Surguard, Contact ID

The JA-65X is a combination of voice and data telephone communicator compatible with all control panels of the JA-6x series. It also serves as a modem for remote access to a control panel via a landline from a PC running ComLink software. A choice of communication protocols is available for connecting the system to ARCs and so the JA-65X is able to communicate with practically all types of ARC. As a voice communicator it is able to send 2 voice messages that can be transmitted to up to 4 telephone numbers. And via the SMS server, five types of system SMS messages can be sent via a standard telephone line (alarm, fire, panic, fault). A built-in surge arrestor protects the communicator.

Haven't you forgotten something?

Don't leave personal and property security until it's too late. If you have decided to do something about it now when your house is already finished and access to mains wiring is limited, don't worry. Our wireless alarm systems are designed for people in your situation, professional installations prevent the interior getting messy or damaged.

JA-60 System Keypads

Wireless LED Keypad — JA-60F

Voltage	4x 1.5 V AAA batteries
Power adapter	DE01-12
Calculated battery lifetime	1 year
Communication range	max. 80 m (open area)
Extended communication range	external antenna AN-01A
Security grade	2 (EN 50131-1)
Certificate from NBU	category D
Dimensions	140 x 80 x 26 mm + antenna 80 mm

The keypad is designed for the wireless programming and operating of JA-6x series systems. The JA-60F keypad uses two-way radio communication with the control panel. The LED indicators can be covered by a hinged cover. The display, LEDs and built-in acoustic sounder indicate the control panel status. The keypad includes 4 buttons for fast setting/unsetting, the control of the programmable outputs and enabling silent tampering. Due to battery energy saving, the keypad goes into sleep mode after 10 seconds. This can be ended any time by pressing a button or by opening the cover. Sleep mode can be suppressed by adding a DE01/12 power adapter. For a longer working range an optional external antenna, type AN-01A, can be used.

System Keypad — JA-60E

Current consumption	approx. 40 mA
Data cable length	type CT-04 max. 10 m
Twisted pairs (SYKFY)	max. 100 m
Security grade	2 (EN 50131-1)
Certificate from NBU	category D
Dimensions	140 x 80 x 26 mm

The JA-60E is a system keypad for operating and programming JA-60x series control panels. The keypad can be used to operate and program the system. The alarm system's status is indicated by the LED indicators, the built-in display and built-in buzzer. The keypad also includes four buttons for fast setting, partial unsetting, activating the programmable outputs and the activation of silent alarms. The keypad is connected to the control panel by a 4-wire cable. Several JA-60E keypads can be connected to the control panels so that the security system can be operated from more places. The JA-60E can be used together with the JA-60U modem to remotely operate the control panel via a telephone line.

Wireless LED Keypad — JA-63F

Voltage	4x alkaline battery AAA 1.5 V
Power adapter (optional)	12 V DC/100 mA
Battery lifetime	approx. 1 year
Communication range	approx. 80 m (open area)
Door opening detector input	IN = opening loop
Range extension	external antenna AN-01A
Classification according EN 50131-1	grade 2
Dimensions	125 x 145 x 30 mm

The JA-63F keypad is used to operate the JA-63 and JA-65 control panels. The keypad has illuminated operating keys, LED display and built-in acoustic signaller. It offers transparent information about the system status. The communication with a control panel is done wirelessly. The keypad has one input which is used for the door contact. The sabotage alarm is triggered when there is any unwanted manipulation of the keypad (opening or removing from the installation). The number of unauthorised code-entering attempts is also tracked. The regular auto-test is done by the keypad and its status is reported to the system (possible lost communication is also detected).

Digital Bus Wired Keypad — JA-63E

Current consumption	approx. 25 mA
Connection	with a cable to the JA-6x digital bus connector
Connecting cable	4 core cable with RJ connectors (4/4 1:1) or ordinary telephone cable (terminals)
Length of the inlet cable	max. 100 m when a paired cable is used
Complies with	EN 50131-1 grade 2
Dimensions	125 x 145 x 30 mm

The JA-63E keypad is designed to control and program alarm systems of Jablotron's JA-6x series. The keypad is equipped with backlit keys, built-in LED signalling, acoustic signalling, and a display. It conveys information about the system status in a convenient way. The keypad communicates via the control panel digital bus. You can connect the keypad to the control panel via an RJ cable or via a standard communication cable connected to terminals. Multiple JA-63E keypads can be connected to a single control panel. Undesirable mishandling of the keypad (like opening its housing) will trigger tamper signalling. In addition, the number of attempts to enter an access code is checked not to exceed a given limit.

and Remote Controls

RC-22

Wireless Remote Control

Communication band	433 MHz
Voltage	6 V battery (L1016)
Calculated battery lifetime	approx. 1 year
Communication range	100 m (open area)
Dimensions	80 x 80 x 15 mm
Complies with	EN ETSI 300220, ETS 300683 and EN 50134

A large-size wireless remote control mainly designed as a panic or emergency button for JA-6x series alarm systems. It can also be used for the extension of the functionality of a security system such as automation and the wireless control of appliances. The RC-22 sends out two different commands by pressing either the A or B buttons.

RC-28

Wireless Door Bell Button

Communication band	433 MHz
Voltage	6 V battery (L1016)
Calculated battery lifetime	approx. 1 year
Communication range	max. 50 m (open area)
Dimensions	80 x 28 x 15 mm

The RC-28 remote control is a single-channel transmitter that is used with the UC-260 acoustic indicator as a wireless doorbell button. It can also be used with up to 8 other sounders where each one has a different melody for easy identification. The button is compatible with other UC-2xx relay receivers.

RC-60

Remote Control

Communication band	433 MHz
Voltage	2x 1.5 V AAA batteries
Calculated battery lifetime	approx. 1 year
Communication range	max. 100 m (open area)
Loops for external operation	2 unbalanced
Indication LED	testing and low battery
Security grade	2 (EN 50131-1)
Certificate from NBU	category D
Dimensions	110 x 30 x 27 mm + antenna 40 mm
Environment class	II, general interior (-10 to +40 °C)

The RC-60 is used to convert wired signals to wireless signals which it sends to JA-6x wireless systems. It enables connection to a wired external controller, such as an access system, card or chip reader, electrical lock etc. The RC-60 remote control is protected by a tamper sensor. It has two inputs that can be used in two operating modes. In the first mode, one input is used for setting and the other for unsetting. In the second mode the A input reacts to a GND connection by sending a "set" signal, sending an "unset" signal when the GND is subsequently disconnected. The B input reacts to a brief or continuous connection to GND by sending a panic alarm (PANIC) signal and if the system is set, the system is also instructed to unset.

RC-86

Key Fob

Communication band	868 MHz/433 MHz
Voltage	alkaline battery type L1016 (6 V)
Calculated battery lifetime	approx. 2 years
Communication range	approx. 30 m (open area)
Dimensions	52 x 18 x 12 mm
Complies with	ETSI EN 300220, EN 55022, EN 50134-2, EN 50130-4, EN 60950-1

The RC-86 is designed for wirelessly operating Jablotron systems. It controls setting/unsetting, triggers panic alarms, and controls other appliances. The big advantage is the possibility of configuring it partly or completely to 868 MHz (Jablotron's OASiS 8x series, etc). Then just by one key fob it is possible to operate 2 different systems on 433 and 868 MHz. A two button version of the case is also available. The user can independently control other devices, e.g. control panels and garage doors or the partial arming mode of the control panel. The key fob provides a useful button locking function. An easy procedure allows you to block the key fob from reacting to any buttons being pressed. Pressing two buttons simultaneously causes a PANIC alarm in the control panel.

Wireless Detectors

Wireless PIR Detector — JA-60P

The JA-60P is an intruder detector designed to detect human body movement in a protected area. It is used mainly for a premises with many entrances. The reaction of the system to invasion of its space is either instant or delayed. Built-in tamper sensors protect against unauthorized opening or removal from its location. The detector performs regular auto-testing and reports its condition regularly to the system for full supervision. The standard lens can be replaced by a corridor lens, curtain lens or pet lens.

Communication band	433 MHz
Voltage	2x 1.5 V AAA batteries
Calculated battery lifetime	approx. 1 year
Communication range	max. 100 m (open area)
Detection method	dual PIR with digital processing
Coverage	12 m, 120°
Optional lenses	corridor, horizontal and vertical curtain, pet lens
LED indication	testing and low battery
Security grade	2 (EN 50131-1)
Certificate from NBU	category D
Dimensions	70 x 90 x 65 mm

Wireless Magnetic Door Detector — JA-60N

The JA-60N magnetic door detector is equipped with a magnet. It is designed mainly for signalling door and window opening. It can trigger an instant or delayed intruder alarm. Inputs for external sensors or magnets are available. Any unauthorized manipulation of the detector such as opening or removing it from its location is reported. The detector does regular self-testing and reports its condition regularly to the system for full supervision. **JA-60NB** is a brown version of the magnetic door detector.

Communication band	433 MHz
Voltage	2x 1.5 V AAA batteries
Calculated battery lifetime	approx. 1 year
Communication range	max. 100 m (open area)
Inner sensor	2 magnetic contacts
External sensor inputs	input and tamper, ballanced/unballanced
LED indication	testing and low battery
Security grade	2 (EN 50131-1)
Certificate from NBU	category D
Dimensions	110 x 30 x 27 mm + antenna 40 mm

Wireless Glass-Break Detector — JA-60B

The JA-60B is an acoustic glass-break detector that provides easy and reliable protection against robbery. One sensor covers an entire room regardless of the number of windows. A dual-technology detection method (air pressure and sound analysis) is combined with digital processing to guarantee high sensitivity to glass-breaking. Any unauthorized manipulation of the detector such as opening, removing it from its location etc is reported. The detector regularly monitors its functioning, battery state and self-testing to maintain a solid connection to the control panel.

Communication band	433 MHz
Voltage	2x 1.5 V AAA batteries
Calculated battery lifetime	approx. 1 year
Communication range	max. 100 m (open area)
Built-in sensor	dual-technology acoustic sensor
Detection rage	max. 9 m
LED indication	testing and low battery
Security grade	2 (EN 50131-1)
Certificate from NBU	category D
Dimensions	55 x 75 x 22 mm + antenna 40 mm

JA-63S

Smoke Detectors

Communication band	433 MHz
Detection method	optical chamber/heat detector
Acoustic signalling for siren	85 dB/m
Recommended max. working range	50 m³
Indicatory LED	automatic test, low battery, alarm
Voltage	1x 1.5 V AAA
Battery lifetime	approx. 2 years
Radio communication range	approx. 100 m (open area)
Dimensions	∅ 126 mm, high 65 mm
Complies with	EN 14 604, A2 EN 54-5, EN 50130-4, EN 55022

The smoke detector reacts to the presence of burning products and to temperature increases in the room caused by a fire. If the concentration of the burning products or temperature is above the limit, it triggers a fire alarm on the control panel together with optical and acoustic signalling of the danger by built-in siren. The auto test of its functions, battery state and connection with the control panel is done continuously by the detector. The proper function of the detector can be also checked by pressing the test button on the detector's housing. The optical detector is not suitable for a dusty area.

JA-60G

Wireless Gas-Leak Detector

Communication band	433 MHz
Voltage	230 V, 50 Hz, approx. 2 W
Communication range	50 m (open area)
Detection method	hot fiber sensor
Relay output	switch-over contact max. 230 V/5 A
Sensitivity	selectable, 10 or 20% LEL
Area covered	50 m²
Built-in sounder	94 dB/0.3 m
Dimensions	100 x 73 x 39 mm
Complies with	EN 60335-1

The JA-60G reacts to all combustible gases (natural gas, city gas, propane, butane, methane, hydrogen etc). If activated a fire alarm is signaled and a built-in siren sounds. It has an output relay to operate, for example, an electric valve installed in a gas supply inlet. The detector is regularly supervised and checks the radio connection.

JA-60IR

Wireless IR Barrier System

Communication band	433 MHz
Voltage	3.6 V/19 Ah – 2x lithium batteries
Calculated battery lifetime	3 years
Communication range	max. 100 m (open area)
Operating range	max. 5 m
Number of beams	4 (3 + 1 synchronizing beam)
Reaction to interrupted beams	selectable
Security grade	2 (EN 50131-1)
Environment class	IV. Outdoor general -25 to +60 °C

The JA-60IR wireless outdoor IR barrier system is an optical four-beam barrier detecting beam interruption between the transmitter and receiver. The maximum distance between the transmitter and receiver is 5 meters. The JA-60IR is suitable for securing balconies, terraces, door frames, door entrances.

JA-60V

Wireless Outdoor PIR Motion Detector

Communication band	433 MHz
Voltage	2x 1.5 V AAA batteries
Calculated battery lifetime	about 1 year
Communication range	max. 100 m (open area)
Detection characteristics	90°/max. 12 m
Mounting height	0.8 to 1.2 m
Complies with	IV. Exterior general
Enclosure protection	IP 54
Dimensions	198 x 80 x 108 mm
Security grade	2 (EN 50131-1)

The wireless outdoor PIR motion detector has double-lobed detection patterns and is made by OPTEX. It enables you to set a detection range of 1.4 to 12 m, with a 90° viewing angle. Because of being battery powered, the detector does not need any cable connections. The JA-60V is compatible with wireless systems of the JA-6x series.

Wireless Sirens

Wireless Outdoor Siren — JA-63A

The JA-63A wireless back-up siren is designed for wireless communication with radio-enabled control panels of the JA-6x series. The siren provides acoustic signalling when the property has been intruded. It also signals the system set/unset status and signals the setting and unsetting of the system being carried out. Built-in tamper sensors trigger an alarm if there is any attempt to tamper with the siren. Communication with the control panel is two-way. The siren provides regular control of functionality, back-up battery status and testing the radio connection. For a longer communication range, an optional AN-01A external antenna can be used.

Communication band	433 MHz
Voltage	230 V, 50 Hz (adapter included)
Backup battery	6 V, 1.3 Ah (included)
Siren	piezoelectric, 109 dB
Acoustic signalling	in accordance with control panel settings
Strobe light timer	60 minutes
Communication range	max. 100 m (open area)
Optional extended range	AN-01A external antenna available
Security grade	2 (EN 50131-1)
Certificate from NBU	category D
Dimensions	230 x 158 x 75 mm
Working environment	outdoor use, -25 to +60 °C; class IV.

Wireless Indoor Siren — UC-260 / UC-261

The UC-260 wireless acoustic indicator is powered directly from 230 V AC and is used as a high-volume indoor alarm siren for JA-6x series alarm systems. It can also indicate entrance/exit delays. Another function is the acoustic signalling of triggered detectors (for example when someone enters the property, i.e. a chime function). With the RC-28 or RC-22 buttons the indicator can also be used as a wireless doorbell. Selectable melody sounds can also be made, when enrolled wireless detectors are triggered. The UC-260 can be also used as a wireless mini-alarm. The UC-261 acoustic indicator communicates wirelessly with the control panel (two way communication). It signals tampering when the siren is unplugged from the mains. This version has no mini-alarm mode. All other functions are identical to the UC-260.

Communication band	433 MHz
Voltage	230 V, 50 Hz, 1.5 W
Siren	piezoelectric, 100 dB
Doorbell & Chime	8 melodies available
Compatible with	JA-6x series control panels, RC-xx series remote controls, JA-60 detectors
Communication range	max. 100 m (open area)
Dimensions	90 x 65 x 45 mm + antenna 40 mm
Security grade	2 (EN60950)

Going wireless is the way ahead.

Have you got no pre-installed wires
in the walls but would like to control devices
in your house remotely and easily?
Do you really hate getting stuck in the rain
while opening your garage door?
Go wireless, and you'll be able to control
practically anything you want,
easily and conveniently.

and Wireless Relay Modules

UC-216

Universal Receiver

Communication band	433 MHz
Voltage	12 - 24 V DC
Power consumption	approx. 10 mA, max. 45 mA
Communication range	
- with detectors	up to 100 m
- with remote controls	up to 30 m
Max number of detectors/remote controls	8/20
Alarm output (X)	max. 1 A/120 V
Tamper output (Y)	max. 1 A/120 V
Low battery indication (OUT)	transistor output 0.2 A/12 V
Coding	digital floating code
Dimensions	100 x 73 x 25 mm (antenna 86 mm)

The receiver is able to communicate with JA-6x control panels, JA-6x wireless detectors and RC-xx remote controls. When combined with JA-6x control panels, its output relays copy the programmable outputs of the control panel. The UC-216 allows you to assign wireless detectors to the wired inputs of the non-Jablotron control panels. The receiver can indicate the alarm status of a detector, tamper activations, low battery states and even communication loss. The receiver can also work with RC-xx remote controls to control an output relay in various modes: pulse, latch, on/off or garage door mode.

UC-222

Universal Receiver

Communication band	433 MHz
Voltage	230 V AC, 50 Hz
Power consumption	1 VA, 1.8 VA relay
Communication range	
- with detectors	up to 100 m
- with remote controls	up to 30 m
Max number of detectors/remote controls	8/30
Output relay	dry switch-over contact, fused to 6 A/250 V
Coding	digital floating code
Dimensions	100 x 73 x 25 mm (antenna 86 mm)
Complies with	EN 60 950, ETSI EN 300 220, ETS 300 683

The receiver is able to communicate with JA-6x control panels, JA-6x wireless detectors and RC-xx remote controls. Contrary to the UC-216, it is powered by 230 V AC and its output relay can handle 5 A. When combined with JA-6x control panels, its output relays copy the programmable outputs of the control panel. Cooperation with JA-60 detectors allows you to automate some processes in the home, such as switching on the lights after detector triggering, ventilation control and so on. When used with RC-xx remote controls it is possible to control the output relay in modes: pulse, latch and on/off. Thanks to the highly-rated output contact it can be widely used in home automation for turning the lights on/off, ventilation, actuators and other devices.

UC-280

Wireless Interface

Communication band	433 MHz
Voltage	12 V DC
Communication range	
- with JA-60 detectors	up to 100 m
- with remote controls	up to 30 m
Power consumption	approx. 50 mA (all relays off) max. 100 mA
Zone outputs	8x opto-MOS relays (100 mA/60 V)
Tamper, Fault, Battery	3x opto-MOS relays (100 mA/60 V)
SIR, X, & Y inputs	activated when switched to GND
Security grade	2 (EN 50131-1)
Certificate from NBU	category D
Dimensions	195 x 140 x 45 mm (antenna 155 mm)

This device is designed to extend a traditional wired security system with wireless detectors. It allows information to be received from JA-60 wireless detectors and RC-xx controls. It is possible to assign individual wireless devices to up to 8 zones. Each zone has an independent alarm status output. Information about tamper activation, failures and low battery states from the various wireless devices are combined in 3 relay outputs, the source address being indicated by LEDs. The UC-280 is also able to transmit commands for the control of a JA-63A wireless outdoor siren and UC-216 and UC-222 wireless output relay modules.

Wired Detectors

PIR Detector — JS-20 LARGO

This human-motion PIR detector is designed for house area protection. It uses multiple digital signal analysis to achieve excellent sensitivity and a high resistance to false alarms. The detector has a high immunity to intense radio-frequency fields. It is possible to change the basic lens for a long-hall version, a curtain lens or a pet lens.

Voltage	12 V DC
Power consumption (LED off)	max. 10 mA
Mounting height	2.5 m
Detection range	120°/12 m (standard lens)
Security grade	2 (EN 50131-1)
Certificate from NBU	category D
Dimensions	110 x 60 x 55 mm
Security level	EN 50131-1, grade 2

PIR & Glass-Break Detector — JS-25 COMBO

To simplify security system installation the JS-25 detector combines a PIR sensor for area protection with a glass-break detector for window protection. It has three individual outputs (glass break, PIR alarm and tamper). The detector uses multiple digital signal analysis to achieve excellent sensitivity and a high resistance to false alarms. The detector has a high immunity to intense radio-frequency fields. It is possible to change the basic lens for a long- hall version, a curtain lens or a pet lens.

Voltage	12 V DC
Power consumption (LED off)	max. 15 mA
Mounting height	2.5 m
Detection range (PIR)	120°/12 m (standard lens)
Detection range (GBS)	up to 9 m
Security grade	2 (EN 50131-1)
Certificate from NBU	category D
Dimensions	110 x 60 x 55 mm

Glass-Break Detector — GBS-210 VIVO

The GBS-210 acoustic glass-break detector is designed to protect glassed-in areas and detects glass destruction. A dual-technology detection method is used to detect slight air pressure changes followed by broken glass noise. The detector excels in its high reaction reliability. The sensitivity of the detector can be set according to the distance and area of the protected windows. The glass-break detector is even equipped with a selectable memory indication. The detector also excels in its high resistance to radio-frequency interference. It is designed for mounting on a straight surface. The **GBT-212** is the universal testing equipment to test and set up the glass break detectors made by Jablotron.

Voltage	12 V DC
Power consumption (LED off)	max. 10 mA
Maximum consumption (LED on)	max. 35 mA
Output	max. 60 V/50 mA
Detection range	up to 9 m minimum glass dimensions 0.6 x 0.6 m
Working environment	(EN 50131-1) II. general indoor
Security grade	3 (EN 50131-1)
Certificate from NBU	category T
Dimensions	100 x 40 x 24 mm

Dual-Zone PIR Motion Detector — JS-22

The detector is intended to detect human body movement in buildings. Using two sensors ensures better immunity against triggering by moving pets. The expected installation height is 120 cm above the floor. It is possible to set the reaction of its activation and also the level of the immunity to false alarms. The detector has two detection zones each of which covers an angle of 120° and a distance of 12 m. The imaginary dividing line between both zones is determined by the detector installation height.

Voltage	12 V DC
Power consumption (LED off)	max. 3 mA
Maximum consumption (LED on)	max. 7 mA
Mounting height	1.2 m above the floor
PIR output impulse length	3 s
Dimensions	180 x 60 x 55 mm
Complies with	ETSI EN 300220, EN 50130-4, EN 55022, EN 60950-1

Wired Detectors

SD-280

Optical Fire Detector

Voltage	9 - 15 V DC
Smoke detection	optical, light dispersion
Smoke sensor sensitivity	m = 0.11 - 0.13 dB/m pursuant to EN 14 604
Temperature detection	A2 class pursuant to EN 54-5
Fire-alarm temperature	+60 °C to + 70 °C
Low battery	signalization optical
Acoustic signalling	min. 85 dB/3 m
Dimensions	∅ 126 mm, heigh 65 mm
Complies with	EN 14 604, A2 EN 54-5, EN 50130-4, EN 55022

This device is designed to detect the presence of fire inside residential or commercial buildings. The detector has a built-in local warning siren with an optical memory of the alarm. It combines an optical smoke sensor with a heat sensor which can react to the inadequate rise of the temperature in the room. The detector has selectable alarm triggering conditions (smoke or heat, smoke only, heat only, smoke and heat). The **SD-401** is the stand-alone version powered by a 1.5V AA alkaline battery.

GS-133 / GS-130

Gas-Leak Detectors

Voltage (GS-133)	12 V DC
Voltage (GS-130)	230 V/50 Hz, 5 W consumption
Sensitivity	1st level 10% LEL; 2nd level 20% LEL
LEL	LEL = Lower Explosive Limit
Buzzer sound level	94 dB/0.3 m
Relay output	triggering at 1st or 2nd LEL level, max. 230 V/5 A
Detection method	hot fiber (catalytic combustion)
Enclosure protection	IP 30 (EN 60 529)
Dimensions	100 x 73 x 39 mm

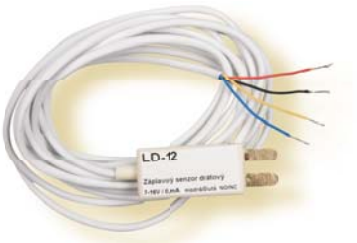
The detector indicates leaks of all kinds of combustible gases (such as Natural Gas, Lighting Gas, Propane, Butane, Acetylene, Hydrogen etc.) and reacts by signaling two levels of gas concentration. It is powered by 12 V DC. High stability, sensitivity and a long lifetime are the characteristic features of the detector. The apparatus indicates the gas leak acoustically and optically. It is also equipped with an output relay with selectable functions. The GS-130 detector is a mains-powered version (230 V AC).

LD-81 / LD-12

Flood Detector

Operating environment	II. General indoor, -10 to +40 °C, EN 50130-4, EN 55022
Enclosure protection	IP 68
Power supply **LD-12**	12 V DC ± 15 %; 2 mA
Dimensions	53 x 20 x 10 mm

The detector works as an indicator of a room being flooded by water (e.g. cellars, bathrooms). This information is sent to an alarm system to send out an alert message. The LD-81 is connectible to an OASiS alarm system via a JA-81M wireless detector and to a PROFI system via a JA-60N. The LD-81 detector does not need any power as it takes its power supply from the JA-81M´s circuit. The LD-12 detector is powered by 12 V and offers NO/NC output.



Magnetic Detectors

SA-200A Magnetic contact with terminal unit, dimensions 49 x 14 x 13 mm.

SA-204 Surface metal contact for industrial applications and also metal doors, wired, 49 x 17 x 9 mm, working distance max. 40 mm.

SA-210 Stud contact with terminal unit, ∅ 10 mm, magnet length 15 mm, relay 23 mm, white design.

SA-211 Stud mini contact with extra shallow cable ∅ 9 mm, magnet length 3 mm, relay 14 mm, working distance max. 19 mm, white design.

Hard-wired Sirens

Outdoor Backup Sirens — OS-360A / OS-365A

Voltage	12 V DC
Back up battery	NiCd 4.8 V 1.8 Ah
Acoustic power of OS-360A	113 dB/m
Acoustic power with additional siren ACM-360	118 dB/m
Acoustic power of OS-365A	110 dB/m

The OS-360A and OS-365A are outdoor sirens with a built in automatically charging NiCd battery controlled by a microprocessor. There is not only acoustic signalization but also LED indication with an alarm memory as well. The housing of the sirens is made from a solid color-stable plastic. The sirens comply with security level 3. The sirens can be used in practically any security system thanks to its adjustable parameters. The acoustic signalling of setting/unsetting the security system is one of the optional functions of the siren. The OS-360A siren has a piezo-electric siren suitable mainly for the use in a corridor space (e.g. a street) and the OS-365A is more suitable for free space areas thanks to its magneto-dynamic siren. The electronics in the siren is protected against corrosion by resistant varnish and highly reliable dry-reed relays are used in the construction of the tamper contacts in case the siren is taken down off the wall or it is opened. The siren is also available as a cheaper non-back-up solution, the OS-350.

SA-913 SA-913F

SA-107 SA-402

SA-530 SA-87LR

Sirens

SA-103 Mini piezo-electric siren 110 dB.

SA-105 Piezo-electric siren 120 dB.

SA-107 Piezo-electric siren 125 dB, warble tone.

SA-402 Interior siren, loudspeaker, 2 tones, 115 dB.

SA-530 Magneto-dynamic siren 117 dB, small size.

SA-531B Back-up magneto-dynamic siren 113 dB, small size.

SA-913/913F Interior piezo-electric siren, white plastic, the F version has a strobe light – it is possible to activate only the strobe light.

SA-87LR Interior piezo-electric siren with LED strobe light (120 dB), it is possible to activate only the strobe light.

SA-105

SA-103

SA-531B

Do you feel safe at home?

She woke up in the middle of the night with an unpleasant feeling. She hears a strange faint noise on the ground floor of the house. When she came out of the bedroom into the hall, she was sure that there was someone in the house…

Is this story really only a bad dream?

There are several ways to secretly and quietly send out a distress signal. Sending a panic alarm is totally quiet and unnoticeable and help will arrive within minutes.

Universal GSM Communicators

GD-06 ALLEGRO — GSM Universal Communicator

Voltage	12 V DC
GSM band	900/1800 MHz
Number of terminals	6
Relay output	switch-over contact max. 24 V/2 A
Dimensions	76 x 110 x 33 mm
Integrated convertible antenna	
Complies with	EN 60950, EN 301489-1, EN 301489-7, EN 301419-1, EN 301511

The GD-06 is a universal device for sending information, data collection and in-house appliance or process control. It can communicate through SMS messages, GPRS data and direct control from any phone by DTMF commands. It is possible to monitor the status of the GD-06, set its parameters and control outputs very conveniently from the secure internet web site www.GSMLink.cz. The GD-06 has 6 fully programmable ports (inputs/outputs) and an output relay. A temperature sensor is integrated too. During input activation it transmits information by SMS, voice calls, or GPRS data. It is possible to choose digital or analogue input reading modes. Outputs are able to be controlled by calling from pre-defined phone numbers, by SMS messages, by DTMF commands or via the GSMLink web site. Outputs can be switched as latches for pre-defined times (impulse mode) or be triggered by the internal temperature sensor.

GD-04 DAViD — Universal GSM Communicator

Voltage	11 - 13 V DC (adapter included in packaging)
Stand-by consumption	approx. 20 mA
Consumption while communicating	500 mA
Communication band of GSM module	GSM 850/900/1800/1900 MHz
Output power of the transmitter	2 W for GSM 850/900, 1 W for GSM 1800/1900
Input terminals A, B, C and D	activation by connecting to GND
Outputs terminals X1, X2 and Y1, Y2	2x closing contact with safety fuse max. 5 A/250 V
Environment	II. common internal (-10 °C to +40 °C)
Dimensions (without antenna)	76 x 110 x 33 mm

The GD-04 DAViD has a function of a multi channel universal GSM communicator and controller. It has four inputs (A, B, C a D) and two relays outputs (X and Y) with contacts load 5 A/250 V. Those two relays can be operated by SMS commands or by unanswered phone calls from authorized numbers for free (up to 50 numbers can be set for each relay). While setting the authorized number for operating with a phone call, you can also set the limit of operating phone calls and when it is reached DAViD ignores any phone call coming from that number. This function is suitable for any pre-paid service (e.g. number of uses of the parking lot etc). The output switching time can be set from 1 second to 10 hours. Activation and deactivation of the inputs can be reported by preset SMS message (or by a phone call as well) to up to 8 phone numbers. Inputs recognize opening and closing of the contact and can send different messages when the contact is opened or closed. The text report can be supported by a phone call as well to all the numbers to which SMS messages were sent.

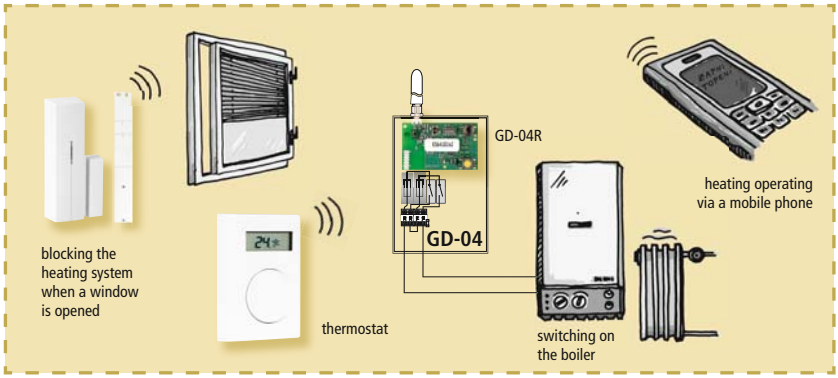
The GD-04 DAViD can be extended with many extension modules. The **GD-04R** radio module enables input activation (A to D) by wireless buttons and detectors from the OASiS system. Relays X and Y in DAViD can be locally operated by RC-8x wireless buttons (that means that a connected device can be operated by mobile phone and by remote controller as well). DAViD can also report on the state of its output relays (X and Y) to UC and AC wireless receivers. A heating system can be operated (locally or remotely via mobile phone) in cooperation with TP-8x wireless thermostats. A **GD-04D** DTMF module enables the operating of DAViD's output relays by a phone call and numeral code entry on a phone keypad. The **GD-04A** backup battery provides approximately 12 to 24 hours backup time in cases of power failure.

DAViD can be set by programming SMS messages or by using GDLink software from a computer or just by filling in a simple form on **www.david.jablotron.com**. The **GD-04P** connecting cable is necessary for setting up DAViD from a PC via **GDLink** software.

GD-04 DAViD application

Heating control

- The heating system can be switched on/off remotely
- Switched on heater is controlled by the thermostat TP-83 according to a weekly program
- DAViD reports on the critical temperatures by SMS messages on a user's mobile phone
- The information about current room temperature is included in a status SMS message
- A window opening automatically blocks the heating system and saves heating costs

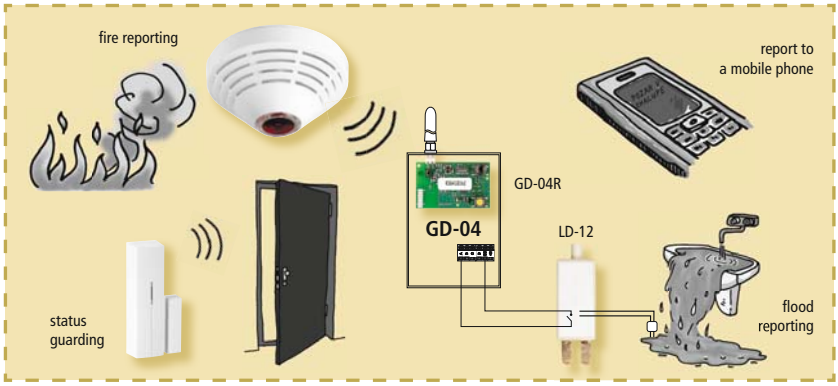


Reporting on critical status

- The various statuses can be monitored in the premises through detectors and DAViD reports to the user with SMS messages

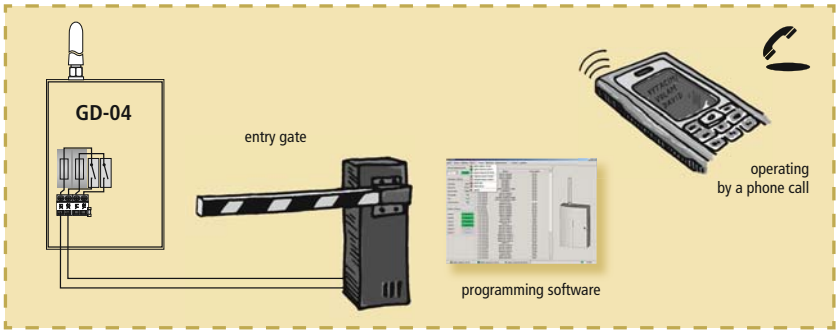
Examples:

- JA-80S wireless smoke detector warns in the case of a fire starting
- LD-12 hard-wired flood detector reports on growing water level
- JA-81M universal transmitter and wireless door opening detector has an input for an external detector and can transmit any status information



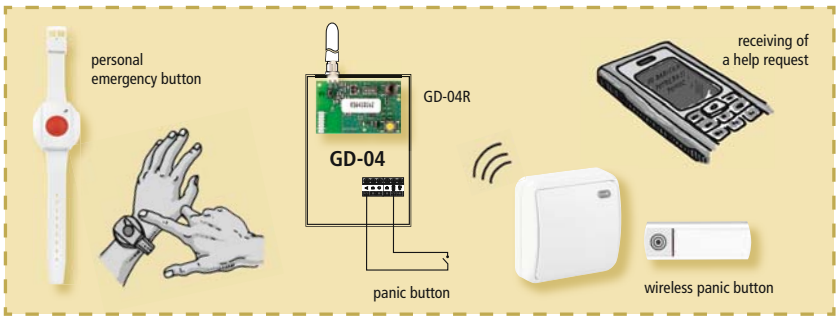
Opening of entry gate or garage door

- The user can operate a gate or garage door for free via an unaswered phone call to DAViD
- Up to 100 authorised numbers can be set for operating an output
- The credit for up to 50 "entries" can be set for every number
- The entry gate can be operated by a phone call and code entry from any phone when a GD-04D DTMF module is used



Calling for help in an emergency

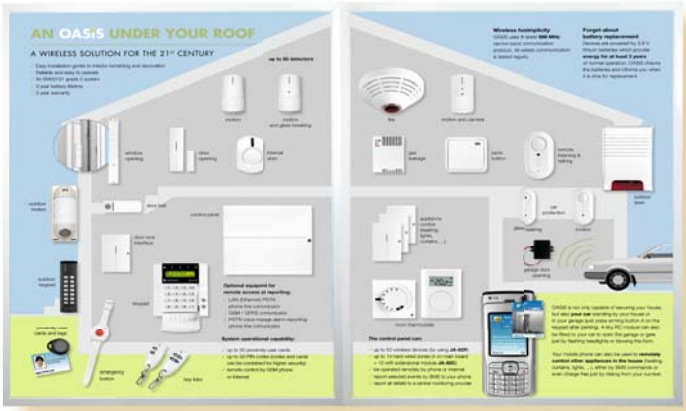
- DAViD can be used for calling for help in an emergency via a SMS message or a phone call
- The RC-87 wireless emergency button is mainly used for personal emergency warnings. It is watter proof and can be worn as a wrist watch or as a necklace.
- The RC-88 wireless panic button or RC-89 door bell button can be used for panic activation



Marketing and training items

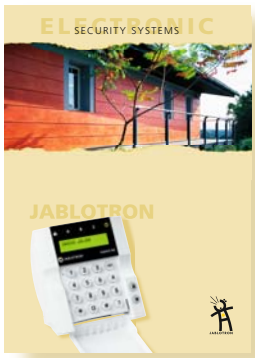
OASiS Display Boards

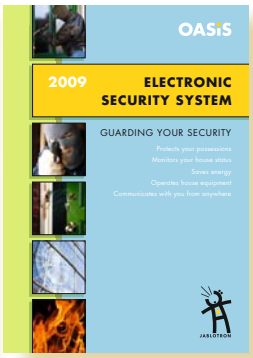
As per customer request we are offering OASiS and JA-63 PROFI display boards for professional presentation of Jablotron products in show rooms.

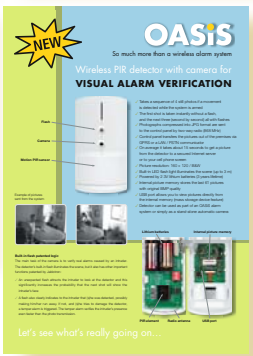


Catalogues and Leaflets

To support sales and marketing promotion of Jablotron products we have prepared highly professional catalogues and leaflets. Various language versions are available.







The PS-03 Presentation Kit

The best way of training installers is their active involvement in a real installation. This can be easily done, even in a meeting room, using the PS-03 presentation kit.

The PS-04 Presentation Kit for OASiS JA-80 Systems

A fully working intrusion alarm system kit in a practical metal suitcase for customer demonstrations which helps installers to promote the OASiS system in the right way.

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