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ELECTRONIC SECURITY SYSTEMS

HOME AUTOMATION

JABLOTRON

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PRODUCT AWARDS

JA-63 KRG Profi
Hybrid Control Panel

Securex 2005 Gold Medal
Poznan, Poland

Grand Prix of Alarm Technic 2004
Poznan, Poland

Gold Zbroja 2004
Poznan, Poland

JA-65 MAESTRO
Hybrid Control Panel

Grand Prix Pragoalarm 2002
Prague, Czech Republic

Secutech Innovation Award 2002
Taipei, Taiwan

OS-300 FORTE
Outdoor Siren

Grand Prix Pragoalarm 1999
Prague, Czech Republic

Prix Security 1999
Bratislava, Slovakia

TD-101
Telephone Dialer

Grand Prix Pragoalarm 1998
Prague, Czech Republic

JK-05 PROFI GSM Kit
Ready Made GSM Wireless Alarm Kit

JK-05 is a pre-programmed GSM alarm kit based on Jablotron JA-63KRG control panel. All items in the kit are enrolled and preprogrammed.
Kit contents:

- **JA-63KRG "Profi"** control panel
- **JA-60N** wireless door contact
- **JA-60P** wireless motion detector
- **JA-60F** wireless keypad
- **UC-260** wireless indoor siren
- **RC-44** remote control
- **RC-28** wireless doorbell button
- **SMS 8010** SMS phone

Installation consists of 5 simple steps:

1. Control panel installation including inserting SIM card into GSM module, connecting backup battery, connecting AC power
2. Detectors and accessories installation
3. Enrolment of additional accessories if requested
4. Testing and measuring proper function of detectors
5. Instructing the customer how to operate the system

JK-05 PROFI GSM kit is offering up to 16 wireless zones with 4 hardwired zones. "Twinning" of wireless zones allows to enroll 2 detectors to each zone.
Operating and programming of system is possible:

- By wireless keypad
- By connecting PC equipped with ComLink software
- Remotely via Internet web site
- Remotely by using GSM mobile phone

JK-06 PROFI TEL Kit
Ready Made TEL Wireless Alarm Kit

JK-06 is a pre-programmed Telephone line alarm kit based on Jablotron JA-63KRX control panel. All items in the kit are enrolled and preprogrammed.
Kit contents:

- **JA-63KRX "Profi"** control panel
- **JA-60N** wireless door contact
- **JA-60P** wireless motion detector
- **JA-60F** wireless keypad
- **UC-260** wireless indoor siren
- **RC-44** remote control
- **RC-28** wireless doorbell button

Installation consists of 5 simple steps:

1. Control panel installation including connecting telephone line, connecting backup battery and connecting AC power
2. Detectors and accessories installation
3. Enrolment of additional accessories if requested
4. Testing and measuring proper function of detectors
5. Instructing the customer how to operate the system

JK-06 PROFI TEL kit is offering up to 16 wireless zones with 4 hardwired zones. "Twinning" of wireless zones allows to enroll 2 detectors to each zone.
Operating and programming of system is possible:

- By wireless keypad
- By connecting PC equipped with ComLink software
- Remotely by using JA-60U modem

JA-63KR PROFI
Control Panel

The JA-63K "Profi" is fully programmable control panel with building block architecture, which can combine up to 16 wireless zones with 4 hardwired zones. "Twinning" of wireless zones allows to enroll 2 detectors to each zone. An additional wireless subsystem control panel can expand the system. The system can be split into 2 independent sections with a shared common area. The control panel processes data from all systems parts and also checks their readiness. It supervises the accessibility of the system's radio communication to check for jamming, the function of the power supplies and provides tampering protection as well. All wireless items communicate with the control panel via fully supervised radio module JA-65R.

Operation and programming of system is possible using a system keypad or through a connected PC equipped with ComLink software or remotely via Internet web site **www.GSMLink.cz** or mobile phone or telephone line.

The JA-60E wired or the JA-60F wireless system keypad is required to control and operate the system. System can be operated also by RC-40 and RC-60 remote controls.

JA-63KRG "Profi" is a version of the control panel equipped with a built-in GSM communicator and gateway JA-60GSM. The GSM communicator enables detailed alarm communication to monitoring stations or to user's mobile phones (up to 8 mobile phones). It also allows remote control and programming from any phone or Internet. The GSM dialer provides additional communication features like phone calls, short text messaging or Internet access for a connected PC via GPRS.

JA-63KRX "Profi" is a version of the control panel equipped with built in Telephone line communicator JA-65X. Telephone module "X" can communicate with a monitoring station, send two voice messages, send five SMS messages via SMS server or dial in remotely using PC equiped with JA-60U modem.

Wireless zones:	16 zones (up to 32 detectors)
Operating frequency	433.92 MHz; digital hopping code, supervised communication
Hardwired zones	4 input zones, selectable triggering: NC, EOL resistor or Double EOL resistor
Zone reactions	selectable: instant, delayed, panic, fire, 24 hour, next delayed
Keypads	max. four (4) JA-60E bus keypads, max. eight (8) remote controls or wireless keypads
Access codes	master codes and 14 user codes.
Outputs	Alarm relay 1 A at 60 V; programmable outputs PgX and PxY (chime, fire, arm, panic, alarm, door, home, AC power failure), siren output (12 V, 0.7 A)
Events memory	127 most recent events including date, time and detailed specification
Power	built in power supply 230 V AC (optional 110 V AC), max 0.1A, supervised, class II
Back up battery	12 V, 1.3 or 2.6 Ah
Operating temperature	−10 °C to +40 °C
Complies with	EN 50131-1 (class II), EN 50131-6, TS-50131, EN 300220, ETS 300 683, EN 50136, ETS 300001, TBR 21
Dimension	258 x 214 x 77 mm + antenna 160 mm

JA-60GSM
GSM Dialer Module

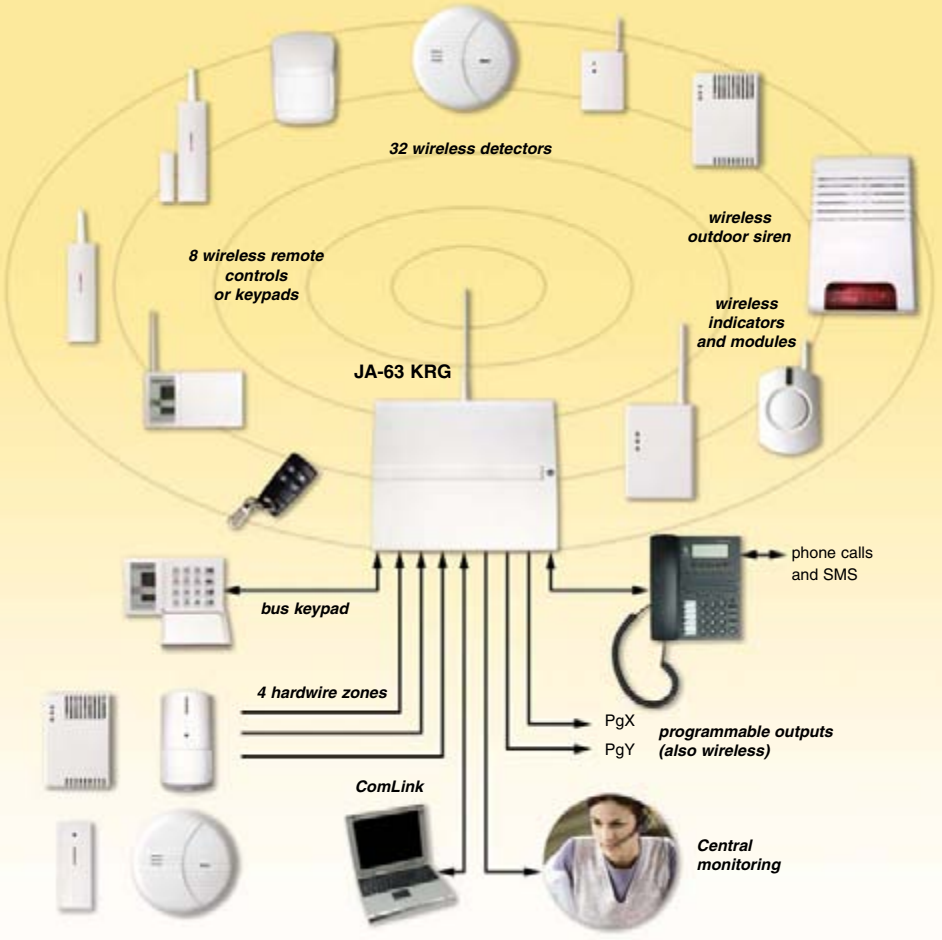
The JA-60GSM dialer is desired for JA-63 and JA-65 alarm control panels. The dialer is used for communication via GSM. Appropriate GSM provider is chosen by inserted SIM card.

The GSM module, when installed in the alarm control panel, enables:

- Automatic sending of an event's text messages to up to 8 mobile phones
- Dialing of programmed telephone numbers and playing of an audible warning signal
- Data transfer to one or two Central Monitoring Stations (CMS)
- Remote control and programming of the alarm system via SMS instruction messages from a mobile phone
- Internet connection using the GPRS data transfer
- Programming of the alarm system via ComLink software
- Programming and remote supervision of the alarm system via **www.GSMLink.cz**

GSM bands	E-GSM/GPRS 900/1800 MHz
Transmitted power	2 W for GSM 900, 1 W for GSM 1800
AUX output	dry contact, max. 100 mA/60 A
Security grade	2
Environmental class	II indoor-general (−10 °C to 40 °C)
Complies with	EN 50131-1, EN 50136-2-1, 2-3 and 2-4
EMC	EN 301489-1, EN 301489-7, EN 55022, EN 50130-4

JA-63KR SYSTEM



JA-60WEB
LAN Ethernet Module

The JA-60WEB LAN Ethernet module is desired for JA-63 and JA-65 alarm control panels. The module is used for communication via fix Internet network. The JA-60WEB LAN Ethernet module, when installed in the alarm control panel, enables:

- Data transfer to one or two Central Monitoring Stations (CID IP protocol)
- Remote control and programming of the alarm system via Internet browser (built in webserver)
- Programming and remote supervision of the alarm system via **www.GSMLink.cz** (no IP solution)
- 3 switching outputs (AUX1, 2 and 3) and 1 switching input (INP) suitable for home or industrial automation

Module is connected into Ethernet network (10/100 Mbit)

Power	12 V DC – provided by the alarm control panel
Outputs AUX1, AUX2, AUX3	max. 60 V/100 mA
Input INP	triggered by grounding, max. 15 V
Comply with	EN 50131-1 grade 2

JA-65X
Digital Communicator

The JA-65X digital communicator is desired for JA-63 and JA-65 alarm control panels. If the JA-65X module is installed, enables:

- Data transfer to one or two Central Monitoring Station (CMS)
- Sending 2 voice messages to up to 4 phone numbers
- Remote PC control and programming by using modem communication (ComLink SW + JA-60U)
- Sending of 5 SMS messages via SMS server
- Remote keypad access with JA-60E and JA-60U

The JA-65X Digital communicator, when installed in the alarm control panel, communicates with CMS in following monitoring stations protocols: Contact ID, Ademco (slow, fast and express), Telemax, Franklin, Radionics (2300 and 1400), Surguard and DTMF2300. Jablotron JA-65X digital communicator transfers up to 198 report codes to CMS.

A standard analog telephone line (type TNV 1-3) must be connected to the module.

Power	12 V DC/max. 100 mA – provided by the alarm control panel
Analogue interface	TBR 21/1998, EG 201 121 V1.13/2000, AS/ACIF S002/2001
Comply with	EN 50131-1 grade 2

JA-65KR MAESTRO
Control Panel

The JA-65K Maestro is fully programmable control panel with building block architecture. This allows the JA-65K to be tailored to particular installation requirements. The Maestro can operate as a wireless or wire operated or combined system. It can work with 16 wireless detectors and can have 8 or 16 hardwire zone inputs. All wireless items communicate with the control panel via fully supervised radio module JA-65R.

Operation and programming of system is possible using a system keypad or through a connected PC equipped with ComLink software or remotely via Internet web site **www.GSMLink.cz** or mobile phone or telephone line. The JA-60E wired or the JA-60F wireless system keypad is required to control and operate the system. System can be operated also by RC-40 and RC-60 remote controls.

The JA-65K has building block architecture and is using modules and you can build a control panel, according to your needs.

Available modules are:

- **JA-65H** – module of 8 hardwired zones (max. 2 per unit)
- **JA-65R** – 16 zones radio module with option to enroll two (2) detectors to each zone

Available communicators modules for JA-65K:

- **JA-60GSM** – GSM communicator and Gateway
- **JA-60W** – Ethernet LAN communicator
- **JA-65X** – Telephone line communicator

Wireless zones	16 zones
Operating frequency	433.92 MHz; digital hopping code, supervised communication
Hardwired zones	model 65H: 8 input zones, up to two 65H modules can be used (16 zones)
Zone input triggering	selectable: NC, EOL resistor or Double EOL resistor
Zone reactions	selectable: instant, delayed, panic, fire, 24 hour, next delayed
Keypads	max. four (4) JA-60E bus keypads, max. eight (8) wireless keypads or remote controllers
Access codes	master codes and 14 user codes. When system is split, codes, detectors and remote controls can be addressed to particular sectors
Wired Outputs	alarm relay 1 A at 60 V; programmable outputs PgX and PxY (chime, fire, arm, panic, alarm, door, home, AC power failure), siren output (12 V, 0.7 A)
Wireless Outputs	module 65R transmits signals for siren and PgX, PgY status for UC-2xx receivers
Events memory	127 most recent events including date, time and detailed specification
Power	built in power supply 230 V AC (optional 110 V AC), supervised, class II
Back up battery	12 V, from 1.3 to 7 Ah (external up to 40 Ah), supervised
Back up power output for wired items	13 V DC, max. 1.0 A, supervised
Operating temperature	−10 °C to +40 °C
Complies with	EN 50131-1 (class II), EN 50131-6, EN 300220, ETS 300 683, EN 50136, ETS 300001, TBR 21
Mounting	wall mount
Housing	metal box with built-in power supply
Dimension	275 x 295 x 85 mm + antenna 160 mm

JA-63V
LAN/PSTN module

The JA-63V is a communicator for sending Jablotron JA-63K alarm reports to a Central Monitoring Station. The module is used for communication via Internet network or via PSTN line as a back-up channel.

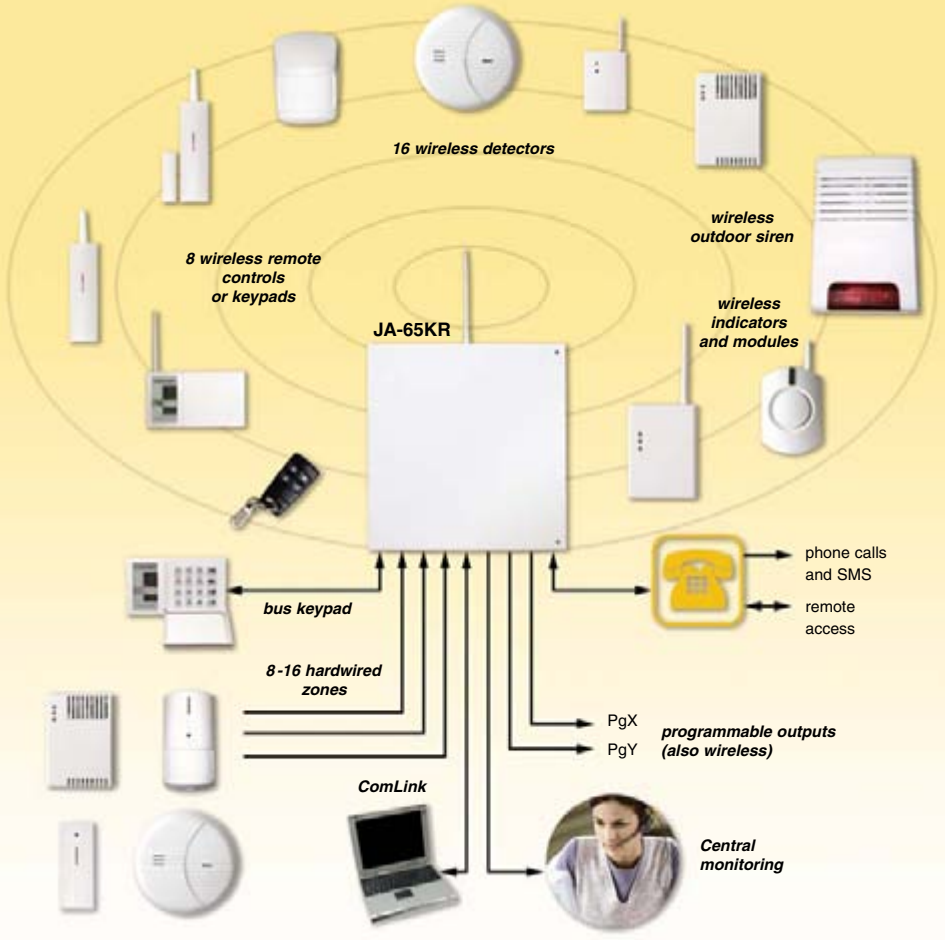
The JA-63V LAN/PSTN module, when installed in the alarm control panel, enables:

- IP packet communication via an Internet connection
- CID protocol via a PSTN line
- DR reporting = Dialing & Caller ID recognition reports (5 reports, free of charge)

The JA-63V also allows remote access to the alarm system by phone keypad or via the GSMLink website. JA-63V is connected via an Ethernet cable to your Internet connection socket and via a phone cable to a PSTN socket.

Power	12 V DC – provided by the alarm control panel
Comply with	EN 50131-1 grade 2

JA-65KR SYSTEM



JA-65R
Radio Module

If the JA-65R is installed, it will be possible to enroll wireless detectors, controllers, sirens, output modules and another wireless subsystem if required. The JA-65R is equipped with a rod antenna and if it's needed the optional external antenna AN-01 can be used. The radio modul is compatible with all JA-60 detectors.

Power	provided by the control panel
Wireless zones	16 zones
Working frequency	433.92 MHz

JA-65H
Hardwired Input Module

JA-65H may be installed into the JA-65K control panel. You may use up to two (2) modules in the control panel. When the module is connected to the main board, provides zone inputs 1 to 8. If the second module is installed it will provide zone inputs 9 to 16.

Power	provided by the control panel
Hardwired zones	8 zones (up to 16 zones)
Wiring	NC, EOL, double EOL

JA-60F
Wireless Keypad

The JA-60F is wireless keypad for JA-6x wireless control panels. It can operate the system in exactly the same way as the hardwired keypad. The LED indicators, display and built-in buzzer indicate the alarm system's status. Multiple keypads can be used with a control panel. The keypad has a built in tamper sensor and it also checks the number of attempts to enter an access code. The keypad performs regular auto testing and reports its conditions regularly to the system for full supervision. Being wireless, it can help an installer to monitor the system functions when performing a "walk" test. For longer working range an optional external antenna, AN-01, can be used.

Power	4x 1.5 V AAA batteries or 12 V DC power adaptor (optional)
Battery life time	typical 1 year
Codes	master & 14 user codes, service code
Radio communication	bidirectional, digital hopping code
Operating frequency	433.92 MHz
Working range	max. 50 m (open area)
Complies with	EN 50131-1 grade 2
Dimensions	140 x 80 x 26 mm + antenna 80 mm

RC-42/44
Remote Control

The RC-44 combines two pairs of buttons. It can be used to operate multiple wireless Jablotron devices. For example, one RC-44 can control your car alarm and your house alarm system or two independent partitions in a house alarm or up to 6 different devices when used with Jablotron UC receivers.

The RC-44 can send 6 instructions. It has a unique optional "keypad locking" feature (to prevent accidental activation or its unauthorized use). The RC-42 is the same remote control as the RC-44 except that it is built into the housing witch only two buttons, which have identical functions to the left pair of RC-44 buttons. The RC-42 does not support the locking function. Conversion from RC-42 to RC-44 (and vise versa) can be simply done by replacing the housing. For desired housing, please ask your distributor. The RC-42 and RC-44 remote controls are compatible with most Jablotron products working on a frequency of 433.92 MHz, e.g.:

- Wireless alarms (JA-63 PROFI, JA-65 MAESTRO)
- Universal receivers (UC-216, UC-222, UC-280 & UC-281)
- Wireless door bell & mini alarm (UC-260)
- Car alarm (CA-1202)

Power	6 V battery (L1016 type)
Battery life	typically 1 year
Frequency	433.92 MHz
Coding	digital floating security code
Keypad locking	optional feature
Complies with	EN ETSI 300220, ETS 300683 and EN 50134

RC-60
Remote Control

The RC-60 is used to arm and disarm JA-6x wireless control panels. It can be connected to an external controller, such as an access system, card or chip reader, electrical lock etc. It has tamper protection and tamper input. A and B inputs can be used in different modes. In the first mode, one input is used for arming and the other one for disarming. In the second mode the first input controls arming (grounded = Armed). The second input (B) works as Panic trigger.

Power	2x 1.5 V AAA batteries
Battery life time	typical 1 year
External inputs	2 (EOL or NC zones)
Indication LED	testing & low battery
Operating frequency	433.92 MHz
Working range	max. 100 m (open area)
Complies with	EN 50131-1 grade 2
Dimensions	110 x 30 x 27 mm + antenna 40 mm

RC-22
Remote Control

The RC-22 is a large size wireless panic or emergency button. It is designed for wall or under-the-desk mounting. It can also be used in an ON-OFF mode as a wireless switch with UC-2xx receivers. An LED indicator confirms the pressing of the button.

Power	6 V battery (L1016)
Battery life time	typical 1 year
Operating frequency	433.92 MHz
Coding	digital hopping code
Channels	2
Operating modes	Panic button mode; ON-OFF mode
Working range	max. 100 m (open area)
Dimensions	80 x 80 x 15 mm

JA-60V
Wireless Outdoor PIR Motion Detector

The JA-60V is an outdoor intruder detector designed to detect human body movement in an open area. Used PIR detector produced by Optex (Optex VX 402R) has two double-layered detection patterns (upper and lower) both have to be activated to trigger the alarm. This reduces false alarms, particularly those caused by temperature changes, light reflection or small animals. A tamper triggers an alarm if there is any attempt to open the detector. The built-in transmitter is compatible with all JA-6X control panels.

Power	3 V – 2x 1.5 V AAA batteries
Battery life time	about 1 year
Working frequency	433.92 MHz
Coverage	max. 12 m/90°
Working range	max. 100 m (open area)
Complies with	EN 50131-1, class II
Waterproof	IP54
Humidity	95 %
Dimensions	198 x 80 x 108 mm

JA-60P
Wireless P.I.R. Detector

The JA-60P is an intruder detector designed to detect human body movement in a protected area. Digital processing insures a high immunity to false alarms and outstanding stability. The JA-60P uses a sophisticated radio communication protocol with a high level of data safety. The detector performs regular auto testing and reports its condition regularly to the system for full supervision. Built in tamper sensors protect against opening or removal from its location.

Power	2x 1.5 V AAA batteries
Battery life time	typical 1 year
Detection method	dual PIR with digital processing
Coverage	12 m, 120°
Optional lenses	corridor, horizontal and vertical curtain
LED indication	testing & low battery
Operating frequency	433.92 MHz
Working range	max. 100 m (open area)
Complies with	EN 50131-1 grade 2
Dimensions	70 x 90 x 65 mm

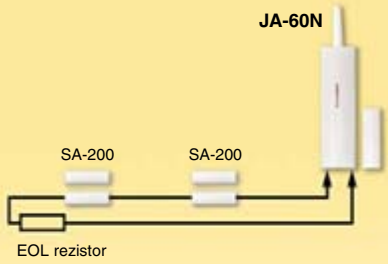
JA-60N
Wireless Magnetic Door Contact

The JA-60N magnetic door detector is equipped with a magnet. Movement of the magnet triggers the internal sensor. It can trigger an instant or delayed intruder alarm and it also has built in tamper sensors. Inputs for external sensors are available. The JA-60N uses a sophisticated radio communication protocol with a high level of data safety. The detector makes regular auto testing and reports its condition regularly to the system for full supervision.

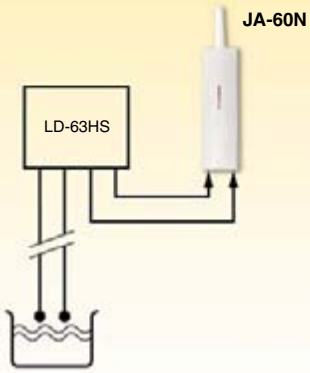
Power	2x 1.5 V AAA batteries
Battery life time	typical 1 year
Detection method	magnetic reed sensor
External sensor inputs	input & tamper (EOL)
LED indication	testing & low battery
Operating frequency	433.92 MHz
Working range	max. 100 m (open area)
Complies with	EN 50131-1 grade 2
Dimensions	110 x 30 x 27 mm + antenna 40 mm

CONNECTING EXTERNAL DETECTORS

a) Connecting additional door contacts



b) Connecting a „flood“ detector



JA-60B
Wireless Glass Break Detector

The JA-60B is an acoustic glass break detector that provides easy and reliable protection against robbery. It ensures extremely high reliability and false alarm immunity. 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 the breaking of glass. The detector is also protected against tampering. The detector is regularly supervised. The JA-60B can be tested with GBT-212 simulator.

Power	2x 1.5 V AAA batteries
Battery life time	typical 1 year
Built in sensor	dual technology acoustic sensor
LED indication	testing & low battery
Working distance	max. 9 m
Operating frequency	433.92 MHz
Working range	max. 100 m (open area)
Complies with	EN 50131-1 grade 2
Dimensions	55 x 75 x 22 mm + antenna 40 mm

JA-60SR and JA-60SP
Wireless Smoke Detectors

The JA-60Sx recognizes smoke and wirelessly transmits this information to a control panel. It also has a built in siren to warn people in the immediate vicinity. Readiness of the detector can be checked anytime by pressing the testing button. Testing can also be easily activated using a standard audio/video infrared remote control. The detector is regularly supervised.

Option SR uses an ionic chamber detector. Option SP uses an optical sensor. SR is more resistive to dust, SP has no radioactive elements inside.

Power	2x 1.5 V AA batteries
Battery life time	typical 1 year
Detection method SR	ionic chamber (max. 4 kBq.)
Detection method SP	photooptical sensor
Built in siren	94 dB/m
LED indication	self-testing every 60 sec
Covered space	50 m^3
Operating frequency	433.92 MHz
Working range	max. 100 m (open area)
Dimensions	∅ 120 x 40 mm

JA-60G
Wireless Gas Leak Detector

The JA-60G reacts to all combustible gases (natural gas, city gas, propane, butane, methane, hydrogen etc.) by signaling a fire alarm. It also has a built in buzzer to warn people in the immediate vicinity and an output relay to control an electrical valve if installed in a gas supply inlet.

The detector is regularly supervised.

Power	230 V AC (optional 110 V AC)
Detection method	hot fiber sensor
Relay output	over switching contact max. 230 V/5 A
Sensitivity	two levels (10 and 20% of LEL)
Built in buzzer	94 dB/0.3 m
Area covered	50 m^2
Operating frequency	433.92 MHz
Working range	max. 40 m (open area)
Dimensions	100 x 73 x 39 mm

UC-260/261
Wireless Indoor Siren

The UC-260 “plug-in” wireless acoustic indicator can be used as a high-power indoor alarm siren for the JA-6x system. It can also indicate entrance/exit delays. With the RC-28 or RC-22 buttons the indicator can also be used as a doorbell. Selectable “melody” sounds can be indicated, as well, when desired wireless detectors are triggered. Up to 8 RC-xx remote controls or JA-60 detectors can be enrolled directly to the UC-260. It can also be used as a wireless minialarm.

The UC-261 acoustic indicator communicates wirelessly with the control panel (two way communication).

Power	230 V AC (110 V AC optional)
Power consumption	1.5 W
Siren mode	115 dB
Doorbell & Chime	8 melodies available
Compatible with	JA-6x control panels; RC-xx remote controls; JA-60 detectors
Operating frequency	433.92 MHz
Working range	max. 100 m (open area)
Dimensions	90 x 65 x 45 mm + antenna 40 mm

RC-28
Wireless Door Bell Button

The RC-28 remote control is a single channel transmitter that is used especially with the UC-260 acoustic indicator as a wireless doorbell button. It can also be used with other UC-2xx relay receivers.

Power	6 V battery (L1016)
Battery life time	typical 1 year
Operating frequency	433.92 MHz
Working range	max. 50 m (open area)
Dimensions	80 x 28 x 15 mm

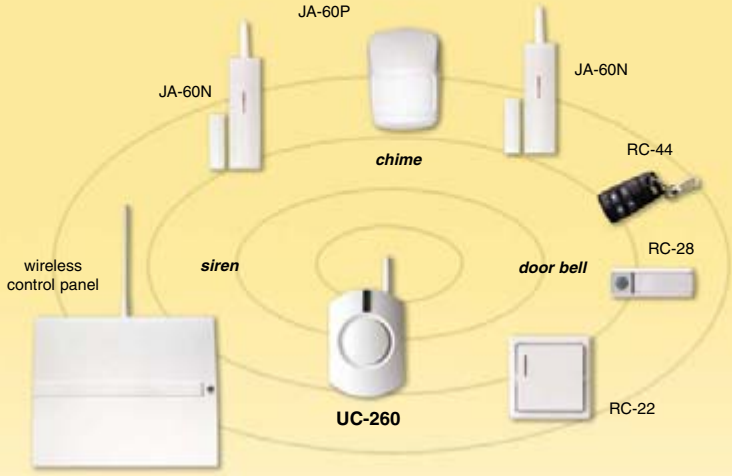
JA-63A
Wireless Outdoor Siren

The JA-63A siren is designed for outdoor use. It is powered from its own AC adapter and has a built in back up battery. The siren communicates wirelessly with the JA-6x wireless control panel with two-way communication. It contains a high-powered siren and a strobe light. In addition to signaling alarms, it can also provide arming and disarming chirps. The siren performs regular self-testing and reports its condition regularly to the system for full supervision. Built in tamper sensors trigger an alarm if there is any attempt to tamper with the siren. For longer range, an optional external antenna, AN-01A, can be used. The siren’s housing is made of mechanical, weather and UV-resistant plastic.

Power	230 V AC (110 V AC optional) adapter included
Back up battery	6 V, 1.3 Ah (included)
Battery life time	up to 5 years
Siren	piezoelectric, 118 dB
Siren timer	set by the control panel, max. 15 min
Strobe light timer	60 minutes
Operating frequency	433.92 MHz
Working range	max. 100 m (open area)
Complies with	EN 50131-1 grade 2
Dimensions	230 x 158 x 75 mm

UC-260 TYPICAL APPLICATIONS

a) Wireless acoustic indicator



b) Door bell

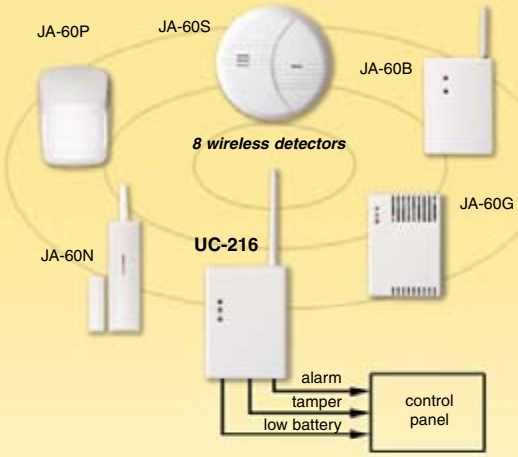
UC-216
Wireless Relay Receiver

The UC-216 is a three-channel receiver of coded signals. The status of the outputs is indicated on the front panel. The UC-216 can be used to control alarm and access systems, to trigger a panic alarm, etc. There are 4 different operating modes available for each remote control. A digital hopping code ensures high security. When used in conjunction with a JA-6x wireless control panel, the output relays of the UC-216 unit copy signals from the control panel's PgX and PgY outputs. The UC-216 can also receive signals directly from RC-xx controllers and JA-60 detectors for various applications.

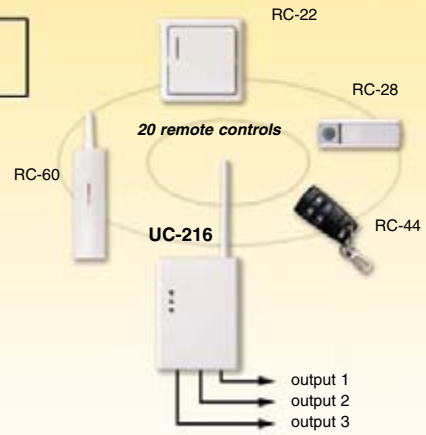
Operating voltage	12 - 24 V DC or 15 V AC
Power consumption	stand-by 10 mA
Operating frequency	433.92 MHz
Operating range	100 m (30 m for RC-11)
Output relays X and Y	max. 120 V/1 A
Output transistor	max. 40 V/0.2 A
Modes	short pulse (3 sec), latch, ON/OFF, garage door mode
Complies with	EN 50131-1 grade 2
Dimensions	100 x 73 x 25 mm + antenna 86 mm

UC-216 TYPICAL APPLICATIONS

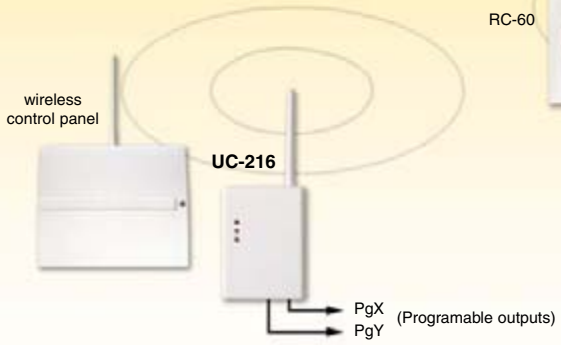
a) Interface for wireless sensors



b) Remote control



c) Wireless output of the control panel



UC-222
Wireless Relay Receiver

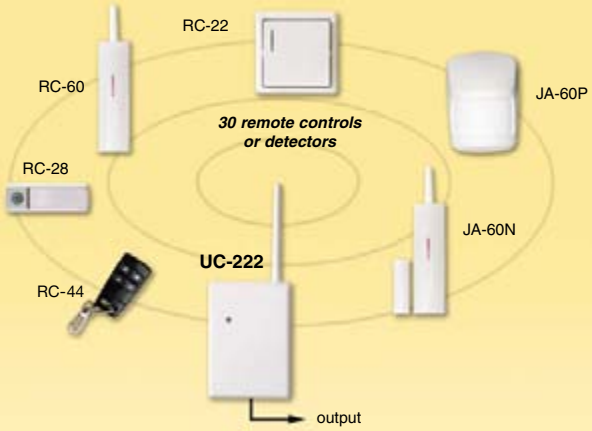
The UC-222 wireless receiver is powered by 230 V AC. Its output relay contact operates at 230 V AC, as well. Up to 30 remote controls, wireless detectors or keypads can be enrolled to the unit. There are four different operating modes available for each remote control. The controller can be used for automatic lighting control, remote operating of electric appliances, access control etc.

When used in conjunction with a JA-6x wireless control panel, the output relay of the UC-222 copies the PgX control panel output. The UC-222 can also receive signals directly from RC-xx controllers and JA-60 detectors for various applications.

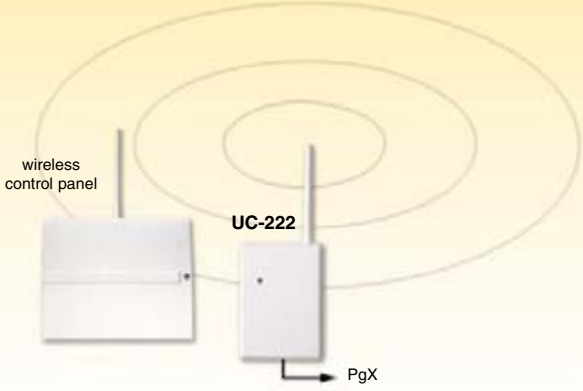
Power	230 V AC (110 V AC optional)
Power consumption	max. 1.5 W
Operating frequency	433.92 MHz
Operating range	100 m (30 m for RC-11)
Peripheries	30 remote controls or wireless detectors
Output relay	max. 6.3 A/250 V
Modes	short pulse (3 sec), long pulse (2 min), latch, ON/OFF
Dimensions	100 x 73 x 25 mm + antenna 86 mm

UC-222 TYPICAL APPLICATIONS

a) Remote control



b) Wireless output of the control panel



UC-280
Wireless Interface

The UC-280 is an 8-zone interface linking JA-60 wireless detectors with any hardwired security control panel. It can also send triggering signals to a JA-60A wireless outdoor siren and/or UC-216 and UC-222 relay receivers. Additionally, it can receive signals from Jablotron RC-xx remote controls. The number of zones can be expanded to 40 using the UC-282 expanders.

Power	12 V DC
Power consumption	typ. 50 mA, max. 150 mA
Zone outputs Z1 - Z8	8 relays 50 mA/50 V
Zone signals	3 relays (tamper, fault, low battery)
Operating frequency	433.92 MHz
Working range	max. 100 m (open area)
Complies with	EN 50131-1 - grade 2
Dimensions	195 x 140 x 45 mm + antenna 155 mm

UC-282
Expanding Module

The UC-282 is designed to expand a number of wireless zones of UC-280 wireless interface. It provides additional 8 zones.

The UC-282 can only be used to extend UC-280. Up to 4 UC-282 can be connected to an UC-280.

Power	12 V DC (10.5 V-16.0 V)
Power consumption	typ. 50 mA, max. 150 mA
Zone outputsZ1-Z8	8 relays 50 mA/50 V
Tamper, fault, battery outputs	3 relays 50 mA/50 V
Working environment	indoor use
Complies with	EN 50131-1, class II
Dimensions	188 x 135 x 40 mm

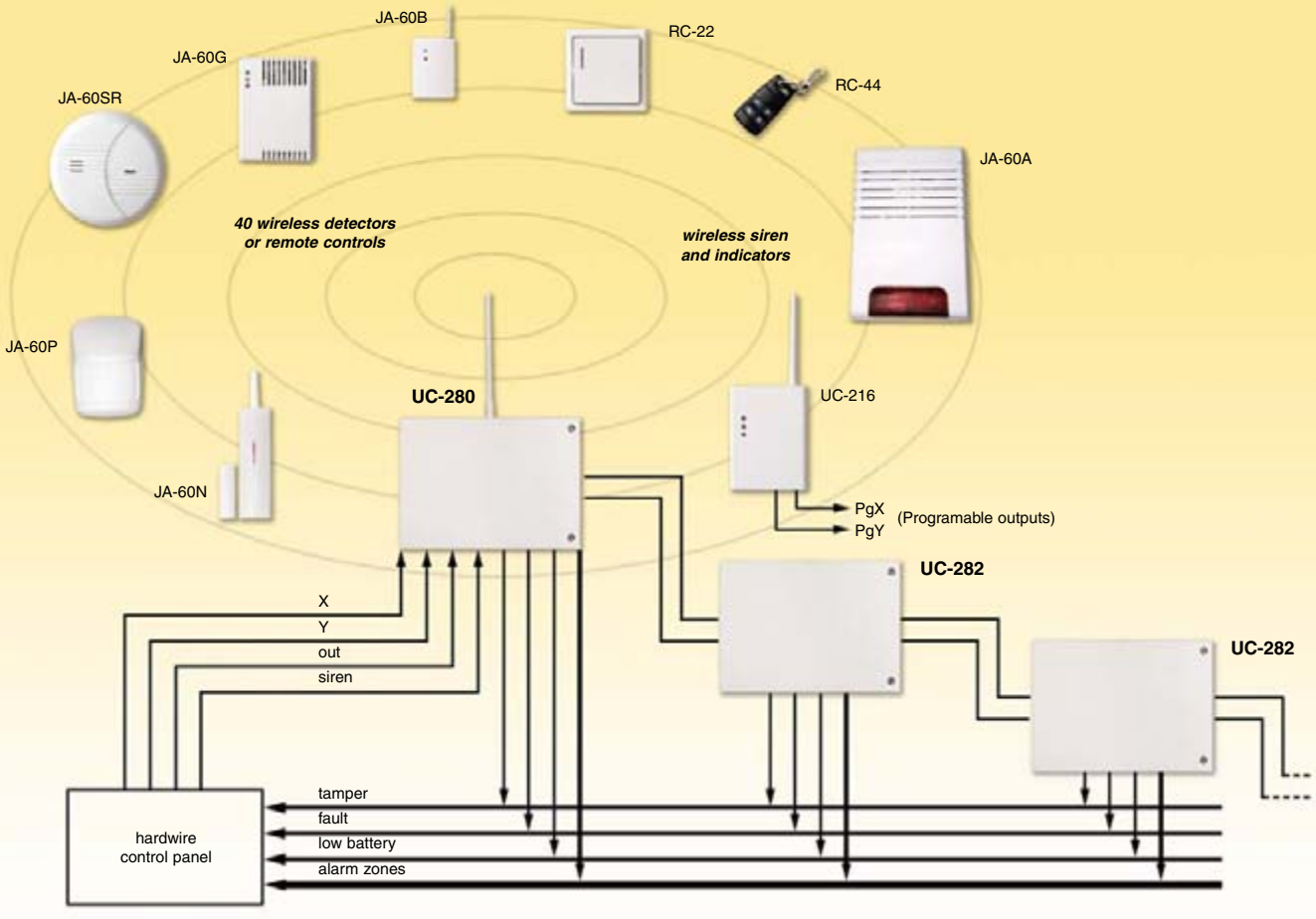
GC-61
GSM Communicator

The GC-61 communicator allows 3rd party control panels to communicate with a central monitoring station via a GSM network. The communicator receives data from a control panel via simulated telephone line. Report codes are transmitted from a control panel to the GC-61 in Contact ID format. A SIM card determines the GSM network used. The GC-61 enables:

- IP and SMS data transfer to one or two Central Monitoring Stations (CMS)
- Remote control and programming of the communicator via SMS instruction or by Internet access
- Supports GPRS IP data transfer
- Allows telephone line as a backup for CMS communication

Power supply	12 V DC
Stand-by consumption	50 mA
Maximum consumption (during communication)	1 A
Operating bands	E-GSM/GPRS 900/1800 MHz
Output power	2 W for GSM 900, 1 W for GSM 1800
AUX terminals	dry contact, max. 60 V/100 mA
Environmental classification (–10 to 40 °C)	II
EMC	ETSI EN 301489-1, ETSI EN 301489-7, EN 55022, EN 5030-4
Radiation	ETSI EN 301419-1 and EN 301511
Caller identification (CLIP)	ETSI EN 300 089 V3.1.1(2000-12)

UC-280 TYPICAL APPLICATION



JS-20 LARGO
P.I.R. Detector

The JS-20 LARGO detector uses digital analysis to provide high security for a protected area. The JS-20's distinguished features are high RF and white light immunity, as well as accuracy. An insect proof housing as well as automatic temperature compensation help eliminate false alarms. Tamper protection is also provided. The standard lens in the detector can be replaced with an optional corridor or pet immune lens. The installer can also use a par of extra terminals for wiring junctions.

Power	12 V DC
Power consumption	typ. 5 mA/max.15 mA
Alarm relay	60 V/0.1 A
Tamper switch	60 V/0.1 A
Standard lens	12 m/120°
Corridor lens (JS-7904)	up to 27 m
Pet lens (JS-7906)	up to 7 m
Complies with	EN 50131-1 grade 2
Dimensions	110 x 60 x 55 mm

JS-25 COMBO
P.I.R. & Glass Break Detector

The JS-25 COMBO combines two detectors in one housing – a motion detector and an acoustic glass break detector. It provides three independent outputs (P.I.R. alarm, glass break alarm and tamper). This digital detector provides excellent sensitivity while ensuring that false alarms are basically eliminated. The standard lens in the PIR detector can be replaced with an optional corridor or pet immune lens. The glass break detector uses a dual technology acoustic detection method. The COMBO distinguishes itself with outstanding RF and white light immunity.

The glass break sensor can be tested with GBT-212 simulator.

Power supply	12 V DC
Power consumption	typ. 10 mA/max. 35 mA
Mounting height	2.5 m above floor
PIR detection range	120°/12 m (standard lens)
PIR alarm output	max. 60 V/50 mA
GBS detection range	max. 9 m
GBS alarm output	max. 60 V/50 mA
Tamper output	max. 60 V/50 mA
Complies with	EN 50131-1 grade 2
Dimensions	110 x 60 x 55 mm

GBS-210 VIVO
Glass Break Detector

The GBS-210 glass break detector detects the breaking of glass windows. A dual technology detection method (air pressure and sound analysis) is used. Digital processing guarantees high sensitivity to the breaking of all types of glass. The GBS-210 distinguishes itself with outstanding RF immunity. A memory feature enables the user to visually determine which detector triggered the alarm. The VIVO provides excellent false alarm immunity.

The GBS-210 can be tested with GBT-212 simulator.

Power supply	12 V DC
Power consumption	typ. 10 mA/max. 35 mA
Alarm output	max. 60 V/50 mA
Tamper output	max. 60 V/50 mA
Detection range	max. 9 m
Glass dimensions	min. 0.6 x 0.6 m
Complies with	EN 50131-1 grade 3
Dimensions	100 x 40 x 22 mm

SD-112
Ionic Smoke Detector

The SD-112 ionization smoke detector can be used as a part of house alarm system. If smoke is detected, the SD-112 will make a local audible warning sound and its output relay will be triggered. The detector performs regular auto testing and reports its condition with a built in LED indicator. Ionic detectors are suitable to dusty places.

Power	12 V DC
Stand-by consumption	typical 1 mA
Alarm output relay	NC/NO, 1 A/120 V AC
Detection method	ionic chamber, max. 4 kBq
Built-in siren	94 dB/1 m
Self testing	every 40 seconds
Covered space	50 m^3
Complies with	ISO 12239, EN 54-7
Dimensions	∅ 120 x 40 mm

SD-212
Optical Smoke Detector

The SD-212 optical smoke detector can be used as a part of house alarm system. If smoke is detected, the SD-212 will make a local audible warning sound and its output relay will be triggered. The detector performs regular auto testing and reports its condition with a built in LED indicator.

Power	12 V DC
Alarm output relay	NC/NO, 1 A/120 V AC
Detection method	optical chamber
Built-in siren	94 dB/1 m
Self testing	every 40 seconds
Covered space	50 m^3
Complies with	ISO 12239, EN 54-7
Dimensions	∅ 120 x 40 mm

GS-133
Gas Detector

The GS-133 detects all mixtures of air and combustible gas (Natural Gas, Methane, Propane, Butane, Acetylene, GPL, Hydrogen, etc). The detector detects two levels of gas concentration and provides an acoustic and optical indication. The detector distinguishes itself with high reliability and sensitivity, compact size, long stability and long lifetime.

The **GS-130** is a mains power version of the detector (230 V AC or 110 V AC).

Power	12 V DC or 15 V AC
Power consumption	max. 200 mA
Detection method	hot wire type
Sensitivity	two levels (10 and 20% of Low Explosivity Level)
Internal siren	94 dB/0.3 m
Relay output	max. 250 V/5 A
Alarm memory	selectable
Covered area	50 m^2
Complies with	EN 50194, EN 50054
Dimensions	100 x 73 x 39 mm

OS-360/365/300
Outdoor Siren

The OS-360/365/300 is a hardwired outdoor back-up siren combining a loud acoustic siren with a flashing light. The high-powered flashing light helps to locate the active siren.

Model OS-360 is equipped with a piezo-electric siren mainly suitable for urban areas with a high building density. If necessary another piezo-electric siren (ACM-OS360) can be used.

Model OS-365/300 is equipped with a magneto-dynamic horn siren mainly suitable for family houses or for buildings with more space around them.

Two tamper switches are built into the unit. They react to removing the cover from the unit or removing the siren from the wall. The siren's housing is made of mechanical, weather and UV-resistant plastic (OS-300-metallic). The circuit board is protected against air humidity by a double layer of varnish.

Voltage	12 V DC
Stand-by current	typ. 40 mA
Back up battery	12 V/1.3 A (not included)
Input	E.O.L. balanced loop
Siren	120 dB
Self-testing	every 30 sec
Trigger delay	selectable 0 or 15 sec
Flasher timer	up to 60 minutes
Complies with	EN 50131-1 – grade 3
Dimensions	230 x 158 x 75 mm

OS-350
Outdoor Siren

The OS-350 is an outdoor non-backup siren combining a loud acoustic siren with a flashing light. The high-powered flashing light helps to locate the active siren. If necessary another piezo-electric siren (ACM-OS-360) can be used.

The siren's housing is made of mechanical, weather and UV resistant plastic. The electronic circuit board is protected against air humidity by double-layer varnish.

The device is protected by two magnetic tamper switches. If higher security is demanded, we recommend using the OS-360 or the OS-365 backup outdoor siren.

Voltage	12 V DC
Power supply	max. 1.3 A
Siren	118 dB
Complies with	EN 50131-1 – grade 2
Dimensions	230 x 158 x 75 mm

SIRENS
Interior

SA-103 – piezo electric, small size
105 dB, 180 mA, 12 V DC

SA-105 – piezo electric
120 dB, 200 mA, 12 V DC

SA-107 – piezo electric, humidity resistant
123 dB, 250 mA, 12 V DC

SA-402 – horn siren, 2 tones
100 dB, 500 mA, 12 V DC

SA-913 – piezo electric
105 dB, 250 mA, 12 V DC

SA-913F – piezo electric with strobe light
104 dB, 800 mA, 12 V DC

SA-915 – piezo electric
127 dB, 300 mA, 12 V DC

BUZ-12 – buzzer
48 dB, 10 mA, 12 V DC

KB-350MK
Access Keypad

The KB-350MK metal keypad is connected to the separate **KB-350U** control unit by a two-wire bus cable. The set can trigger electric strikes, operate locks, gates, etc. or control security systems. One or two keypads can be used with each control unit. If two keypads are connected, they can operate identically (e.g. they can be installed on opposite sides of a door). While one keypad is being accessed, the second one is locked. A separated control unit insures maximum security.

Voltage	12 V DC or 15 V AC
Consumption	stand-by 60 mA
Keypad bus	2 wires, max. 100 m
Access codes	4, 5 or 6 digits 1 master + 9 user codes
Output No.1	relay, max. 1 A/60 V
Output No.2	transistor, max. 1.5 A/25 V
Power output	max. 1.2 A
Complies with	EN 50131-1 grade 3
Dimensions KB-350MK	78 x 78 x 16 mm
Dimensions KB-350U	100 x 73 x 27 mm

KB-350PK
Access Keypad

The KB-350PK plastic keypad is an "economy" version of the KB keypad. The buttons of the keypad can be backlit. The KB-350PK is connected to the separate **KB-350U** control unit by a cable. One or two keypads can be used with each control unit. If two keypads are connected, they can operate identically (e.g. they can be installed on opposite sides of a door). While one keypad is being accessed, the second one is locked. A separated control unit insures maximum security.

Voltage	12 V DC or 15 V AC
Consumption	stand-by 60 mA
Keypad bus	2 wires, max. 100 m
Access codes	4, 5 or 6 digits 1 master + 9 user codes
Output No.1	relay, max. 1 A/60 V
Output No.2	transistor, max. 1.5 A/25 V
Power output	max. 1.2 A
Complies with	EN 50131-1 grade 3
Dimensions KB-350PK	78 x 78 x 16 mm

PC-350
IP Alarm Receiving Center

The PC-350 is a personal computer equipped for Alarm Receiving Center (ARC) use. The PC-350 can work as a standalone ARC or as an extension of an existing receiving center to IP communication.

The PC-350 performs the receiving and managing of event messages from JA-60GSM, JA-60W, JA-63V and GC-61 diallers (a detailed instruction manual for each of the diallers is enclosed with their packages).

The PC-350 receives UDP packets from the above-mentioned diallers via an Internet connection and SMS messages from the JA-GSM and GC-61 devices via the MS-33 GSM module connected to the serial port. The Internet connection is used as a main communication channel and SMS as a back up channel.

TD-101
Telephone Dialer

The TD-101 is an advanced automatic dialing device that transmits pre-recorded information via the telephone line. The dialer can send 2 different voice messages to 4 phone numbers (standard and/or mobile numbers). It can also send 2 different SMS messages via SMS server and 4 digital codes to a monitoring station. The dialer has two trigger inputs.

Voltage	12 V DC
Consumption	stand-by max. 15 mA
Telephone line	built in over voltage protection
Dialing method	pulse or tone
Phone number s	4 for voice messages 2 for Pager messages 2 for CMS
Voice message	1x 20 sec or 2x 10 sec
Complies with	TBR-21, EN50131-1 Grade 3
Dimensions	90 x 130 x 38 mm

TD-110
Telephone Dialer

The TD-110 is an automatic dialing device that transmits a pre-recorded voice message to 4 telephone numbers (standard and/or mobile numbers). It can also send a SMS message via SMS server. The dialer can be triggered manually or by another device connected to the TD-110's input. The dialer can automatically call for help or report different events.

Voltage	12 V DC
Consumption	stand-by 15 mA
Telephone line	built in over voltage protection
Dialing method	pulse or tone
Phone numbers	4, max. 16 digits
Voice message	20 sec
Complies with	TBR-21, EN50131-1 grade 3
Dimensions	90 x 130 x 38 mm

JA-60E
System Bus Keypad

The JA-60E is a bus system keypad for Jablotron JA-6x control panels. It is connected to the control panel by a 4-wire cable. Multiple keypads can be connected to a single control panel. The keypad has a built in tamper sensor and it also checks the number of attempts to enter an access code. The alarm system's status is indicated by the LED indicators, the built in display and built in buzzer. The backlit keypad can be used to operate and to program the system. The JA-60E can be used together with the JA-60U modem to remotely operate the control panel.

Power supply	12 V DC (from control panel)
Power consumption	typ. 40 mA
Codes	master & 14 user codes, service code
Connecting cable	4-core cable, max. 200 m
Complies with	EN 50131-1 grade 2
Dimensions	140 x 80 x 26 mm

GBT-212
Glass Break Tester

The GBT-212 is designed for the testing of acoustic glass break detectors. It detects the air pressure changes caused by the flexing or bending of glass and then automatically generates sound imitating the breaking of the glass.

The GBT-212 is suitable for testing JA-60B, JS-25 and GBS-210.

Power	9 V battery (type 1604)
Battery life	typically 1 year
Operating range	9 m

SP-01
Loud Intercom to JA-60GSM

The SP-01 allows a central monitoring station operator to talk and listen to the monitored premises. The SP-01 should be connected to the simulated telephone line connector in the JA-63KRG control panel - via the provided cable.

PC-60B
Computer Interface

The PC-60B allows a computer to be connected to JA-63Kxx PROFI and JA-65Kxx MAESTRO control panel. Using the ComLink software, you can supervise the system, download the event's log, setup the system, view RF signal etc. The PC-60A allows a computer to be connected to a JA-6x control panel through COM serial port.

PC connection	USB port
Operating system	MS Windows
Cable length	2.0 m

JA-60U
Remote Access Modem

The JA-60U modem connects PC/JA-60E keypad remotely to the system via a telephone line to supervise the system, to read data from the control panel's memory, to setup the system, to view RF signal levels etc. A special encrypted code is used for high security and long distance communication (lower speed, high immunity).

Power	230 V AC (110 V AC optional) – 12 V DC adapter
Power consumption	max. 1.5 W
Communication protocol	Jablotron's encrypted
PC connection	COM serial port

AN-03
Outdoor Antenna

The AN-03 antenna is designed to be used with Jablotron radio products with operating frequency of 430 - 450 MHz. It is suitable for outdoor use.

Frequency	430 - 450 MHz
Installation	vertical
Cable length	3 m
Operating temperature	−40 °C to +70 °C

AN-01A
Wire Antenna

The AN-01 wire antenna is designed to be used with Jablotron radio products with operating frequency of 430 - 450 MHz.

Frequency	430 - 450 MHz
Installation	vertical
Cable length	1.6 m
Operating temperature	−10 °C to +40 °C

CA-1202 Athos
GSM Car Alarm

The car alarm CA-1202 is designed for professional protection of a car with possibility of transmission of the alarm information to cellular phone or central monitoring station via GSM/GPRS network. It communicates via GSM/GPRS network. Network selection is made automatically by inserting the SIM card.

Main features:
- Sending of SMS messages up to 4 cellular phones
- Dialing of programmed telephone numbers and playing of an audible warning signal
- Communication with the central monitoring station (CMS)
- Remote control via SMS messages
- Immobilization of the car by SMS
- Localization of the car by GSM triangulation method
- Up to 4 remote controls
- Garage protection by enrolling up to eight JA-60 wireless detectors
- Optional hands free set to make phone calls
- Remote access via **www.GSMLink.cz**

For easy installation we prepared three pre-designed modes. Mode 1 is for cars without original remote control for central locking. Mode 2 is for cars with an original remote control for central locking. Mode 3 is for cars with already installed car alarms and CA-1202 is used as a GSM pager.

Power supply voltage	12 V DC (8 - 16 V DC)
Current consumption	9 mA (stand-by), 1 A (maximum consumption during GSM communication)
GSM band	E-GSM/GPRS 900/1800 MHz (2 W for GSM900, 1 W for GSM1800)
Remote control frequency	433.92 MHz
Working temperature	−20 °C to +70 °C
SIR Output	+12 V, max load 1,3 A
Immobilization contact	8 A permanently, short term load up to 12 A
Central locking outputs/inputs	output max. 200 mA /input GND triggering
HF connector	optional HF-03 hands free set
Telephone numbers	4 memories (to send SMS or to dial)
SMS texts	programmable reporting texts and also remote control instructions
SIM card	standard GSM SIM card holder
GPRS data transfer	programmable APN, Name, Password and IP address
Internet remote control	via www.GSMLink.cz
Programming	by SMS instructions or via www.GSMLink.cz
Antenna	adhesive antenna included
Complies with	EN 60950, EN 301489-1, EN 300683, EN 301419-1, EN 301511, EN 300220

GD-06 ALLEGRO
GSM Universal Dialer

The GD-06 ALLEGRO is a universal GSM dialer and controller. It can be used for both home and industrial automation purposes, for security applications or any remote data transfer project. Triggering of any of the inputs will cause the sending of a reporting SMS message to pre-programmed phone numbers or a direct call to a telephone number. By using specific text messages, you can switch on or off the remote controlled outputs. In the basic setting, the GD-06 provides 4 inputs and 3 outputs. The device can be programmed using programming SMS messages or via the Internet using Jablotron's GSMLink web page. The Expert mode enables full programming of all inputs and outputs, trigeering a listening-in mode, GPRS data communication and analogue data transmission.

GSM remote control allows:
- Operate appliances in the house (lights, alarms etc.)
- Access control (opening of parking gate, etc.)
- Temperature control – thermostat feature (heating, airconditioning)
- Remote listening and speaking (via attached hands free set)
- Temperature or voltage reading
- Timer feature on the outputs (from 1 s to 99 hours)
- Status data reading (GSM signal strength, SIM card balance)

GSM remote control is possible by:

Phone:
- SMS instructions
- Dialing in digital codes
- Dialing from pre-programmed phone numbers (free of charge)

Internet
- Via **www.GSMlink.cz**

GSM automatic reporting allows:
- SMS text sending if an input is triggered (warnings, alarms etc.)
- Remote reading of meters (electricity, gas or water consumpti on etc.)
- Phone call to a pre-programmed numbers if an input is triggered (intercom, emergency calls etc.)
- Automatic temperature or voltage reporting
- Regular prepaid SIM card balance reporting
- Status data package reporting by GRPRS to an IP address

GSM internet access:
- The GD-06 can be registered on **www.GSMlink.cz** and then it can be easily operated and programmed from Internet.
- The Internet access uses secured protocol and login password

Power supply voltage	8 - 15 V DC
Current consumption	20 mA (stand-by), 300 mA (maximum)
GSM band	E-GSM/GPRS 900/1800 MHz (2 W @ GSM900, 1 W @ GSM1800)
P1 - P6 terminals	programmable inputs and outputs (an input can be triggered by grounding or can measure voltage, an output switchs to GND, max. 24 V/200 mA)
Relay output	over-switching contact (NC-C-NO), max. 2 A/24 V or 0.5 A/230 V
HF connector	optional HF-03 set can be connected for audio intercom function
Telephone numbers	8 memories (to send SMS or to dial)
SMS texts	programmable reporting texts and also instructions to control outputs
SIM card	standard GSM phone size SIM card holder
Voltage reading	all input terminals allow voltage measuring from 0.0 to 15.0 V DC
Temperature reading	built in temperature sensor, range from −10 °C to +40 °C
GPRS data transfer	programmable APN, Name, Password and IP address
Internet remote control	via www.GSMLink.cz
Programming	by SMS instructions or via www.GSMLink.cz
Antenna	rod antenna can be replaced with an optional external GSM antenna
Dimensions	76 x 110 x 33 mm (antenna 125 mm)
Complies with	EN 60950, EN 301489-1, EN 301489-7, EN 301419-1, EN 301511

UC-241
Receiver

The UC-241 is a 12-channel receiver of signals from Jablotron branded wireless thermostats. It can efficiently control 12 separate sections of a multi-zone heating and cooling system. LEDs on the receiver's front cover indicate the status of each output channel. Additionally, a power relay is used to control the main pump. JA-60N wireless detectors can also control the UC-241's relays remotely from any switching device (switch, micro switch sensor etc.). The UC-241 can also receive signals from JA-60S wireless smoke sensors and JA-60G gas leak sensors.

The **UC-242** is a six-channel receiver.

Power supply	24 V AC
Stand by consumption	0.05 A
Max. supply current	2 A
Operating frequency	433.92 MHz
Working distance	max. 100 m (open area)
Dimensions	165 x 125 x 75 mm + antenna 155 mm

TP-60
Wireless Thermostat

The TP-60 wireless thermostat can replace most common residential thermostats and is designed to be used with electric, gas or oil heating. Many useful functions and operating modes have been incorporated to provide a variety of solutions for all customer needs. The wireless connection between the thermostat and a heating system makes installation very quick and non "intrusive" to the interior.

Thermostat:

Power	2x 1.5 V AA batteries
Battery life time	typical 1 year
Programming	4 temperature settings for working days & 2 settings for weekend
Dimensions	153 x 78 x 32 mm

Receiver:

Operating voltage	230 V AC (110 V AC optional)
Output relay	relay, max 6.3 A/250 V
Operating frequency	433.92 MHz
Working range	max. 100 m (open area)
Dimensions	100 x 73 x 38 mm

TP-98
Wireless Thermostat

The TP-98TX is a simple manual wireless thermostat. It is designed to be used with electric, gas or oil heating. It can be used with a UC-222 receiver or with a UC-241 or UC-242 multi-channel receivers. The wireless connection between the thermostat and a heating system makes installation very quick and non "intrusive" to the interior.

Power	2x 1.5 V AAA batteries
Battery life time	typical 1 year
Operating frequency	433.92 MHz
Working range	max. 100 m (open area)
Dimensions	73 x 28 x 73 mm

BM-02 NANNY
Baby Breathing Monitor

NANNY's sensor pad, positioned under the bed's mattress, detects the gentle movements of an infant's chest. Signals from the sensor go to the control unit, which confirms regular breathing and movements by a green light. NANNY has no physical contact with the baby and it also does not generate any form of energy. Its passive sensing has no harmful effect on the little human body.

- NANNY is a **baby breathing monitor** that keeps an eye on the baby when its mommy sleeps.
- NANNY continuously checks the baby's breathing and movements to give an early warning in case of a possible danger.
- NANNY triggers a loud acoustic and visual alarm if the baby's breathing and movements stop for longer than 20 seconds or if the rate of breathing is bellowing 8 breathes per minute. This allows for **SIDS** (Sudden Infant Death Syndrome/Crib death) and other life threatening conditions (allergy, sudden illness, choking…) to be indicated in time to save the baby.
- **Do notice that NANNY can only alert you when your child is breathing irregularly or not at all. It cannot make any action itself and cannot replace a baby sitter!**

The installation is very quick and easy. Place the sensor pad under the mattress. Insert batteries to the control unit and fix the control unit to the bed using the fastening belt. After connecting the sensor's cable to the unit Nanny is ready to start guarding.

Power	3 V, 2x 1.5 V AA batteries
Stand-by consumption	0.2 mA
Average battery life time	6 months
Recommended weight of user	from min. 2 kg to max. 15 kg
Complies with	94/42/EEC Directive class IIb – medical device
Dimensions	Pad 350 x 550 x 15 mm Control unit 135 x 70 x 35 mm