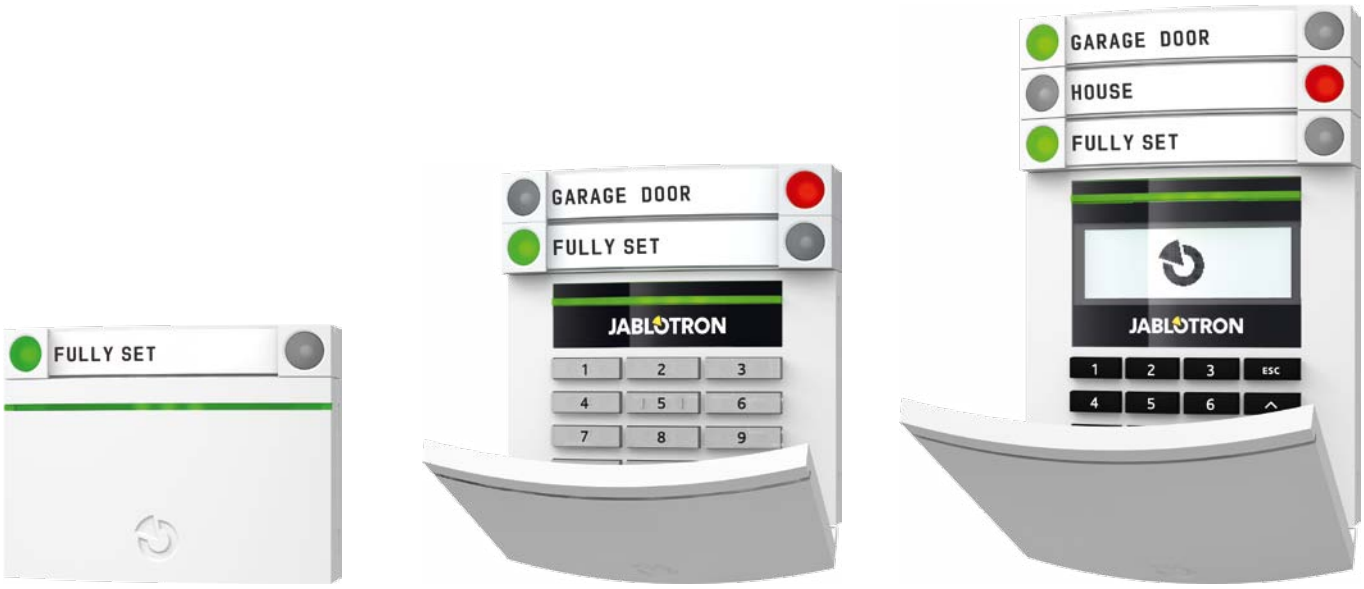
System JABLOTRON 100



Product range

Alarm with revolutionary control

JABLOTRON CREATING ALARMS

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CONTROL PANELS AND COMMUNICATORS

Control panel with built-in GSM/GPRS and LAN communicators

JA-106K

The JA-106K is the full version of the control panel of the JABLOTRON 100 security system. It enables flexible system setting and the smart protection of larger family houses, offices and companies. It also offers flexible solutions to the protection of residential estates, administrative buildings and companies that need a system with many sections. The required adjustments and sizing of the system are programmed through F-Link software.

The JA-106K control panel offers:
– up to 120 wireless or bus zones
– up to 300 user codes
– up to 15 sections
– up to 32 programmable PG outputs
– 20 independent schedules
– SMS and voice reports from the system to up to 25 users
– Remote control via SMS, voice menu and the MyJablotron portal
– 4 adjustable ARCs
– 5 selectable ARC protocols

The control panel has built-in GSM/GPRS and LAN communicators that enable voice, SMS, GPRS and LAN communication with end users and ARCs. It is equipped with a 4 GB memory card for saving the data of events, voice messages, saving photos etc.

The control panel has:
– 2 independent separate terminal boards for bus connection
– 1 internal connector dedicated to the radio module (JA-110R)
– 1 LAN connector
– 1 USB connector for control panel setting and downloading photos
– 1 connector for connecting another communicator or module (e.g. PSTN)

- Power supply: 230 V, 50 Hz
- Power supply unit: A (EN 50131-6)
- Back-up battery: 12 V up to 18 Ah
- Maximum battery charging time: 72 hours
- Data bus power supply: max. load 1.2 A
- Max. short-term output current (5 min.): 2 A
- Backup bus supply: for the 18 Ah battery for 12 hours at a max. consumption of 1.2 A
- Event memory: 700 MB, i.e. approx. 1 mil. events containing date and time
- Alarm verification function by another detector or repeated response from the same
- detector with a selectable delay (10 s - 2 min)
- Security level: grade 2 according to EN 50131-1, EN 50131-3, EN 50131-6, EN 50131-5-3, EN 50136-1, EN 50136-2
- Environmental class according to EN 50131-1: II., general indoor
- Dimensions: 357 × 297 × 105 mm
- The control panel can be purchased in a version with a JA-110R radio module (JA-106KR)
- Operating frequency of JA-110R: bidirectional Jablotron protocol at 868.1 MHz

PSTN communication module

JA-190X

The JA-190X is a PSTN communicator module for the JA-106K and JA-101K.
It offers CID ARC communication and voice messages.

- 2 PSTN line terminals IN/OUT
- ARC protocols: CID DTMF, SIA DC-05 or SIA FSK by DC-03 standard
- CLIP detection
- Line failure detection
- Standards: EN 301437
- Voice messages

Control panel with built-in GSM/GPRS/LAN communicators and radio module

JA-101KR-LAN

The JA-101KR-LAN control panel is the basic element of the JABLOTRON 100 security system. It enables flexible system setting and the easy protection of small commercial premises, cottages, offices in a bus design as well as medium-sized premises, family houses or companies in a wireless or combined design. The required adjustments and sizing of the system are carried out via F-Link software

The JA-101KR-LAN control panel offers:
– up to 50 wireless or bus zones
– up to 50 user codes
– up to 8 sections
– up to 16 programmable PG outputs
– 20 independent schedules
– SMS and voice reports from the system to up to 8 users
– Remote control via SMS, voice menu and the MyJablotron portal
– 4 adjustable ARCs
– 5 selectable ARC profiles

The control panel has built-in GSM/GPRS and LAN communicators that enable voice, SMS, GPRS and LAN communication with end users and ARCs. It is equipped with a 4 GB memory card for saving the data of events, voice messages, saving photos etc.

The control panel has:
– 1 terminal for bus connection
– 1 internal connector dedicated to the radio module (JA-110R)
– 1 LAN connector
– 1 USB connector for control panel setting and transferring photos
– 1 connector for connecting another communicator or module (e.g. PSTN)

- Power supply: 230 V, 50 Hz
- Power supply unit: A (EN 50131-6)
- Back-up battery: 12 V, up to 2.6 Ah
- Maximum battery charging time: 72 hours
- Max. continuous bus load: 400 mA
- Max. short-term output current (5 min.): 1 A
- Backup bus supply: 2.6 Ah battery for 12 hours at 125 mA
- Backup bus supply for the LAN version: 2.6 Ah battery for 12 hours at a max. consumption of 85 mA
- Event memory: 700 MB, i.e. approx. 1 mil. events containing date and time
- Alarm verification function by another detector or repeated response from the same detector with a selectable delay (10 s - 2 min)
- Security level: grade 2 according to EN 50131-1, EN 50131-3, EN 50131-6, EN 50131-5-3, EN 50136-1, EN 50136-2
- Environmental class according to EN 50131-1: II., general indoor –20 °C to 40 °C
- Dimensions: 258 × 214 × 77 mm
- The control panel is in a version with a JA-110R radio module
- JA-110R operating frequency: bidirectional Jablotron protocol at 868.1 MHz

Control panel with a built-in GSM/GPRS communicator

JA-101K

The JA-101K control panel is the basic element of the JABLOTRON 100 security system. The parameters are the same as those of the JA-101K-LAN except for the following differences:
The control panel does not contain a LAN communicator.

- Backup bus power supply: for a 2.6 Ah battery for 12 hours at a max. consumption of 125 mA
- The control panel can be purchased in a version with a JA-110R radio module (catalogue code JA-101KR)
- JA-110R operating frequency: bidirectional Jablotron protocol at 868.1 MHz (part of JA-101KR)

BUS HARDWIRED DEVICES

Access modules

BUS access module with RFID

JA-112E

The JA-112E is an RFID access module designed for controling an alarm system. It includes one control segment and if needed it can be equipped with maximum 20 JA-192E control segments. It allows control of an alarm system by using segments. It communicates by BUS and it is powered from the BUS. Implemented power consumption saving function during AC outage. It occupies one position in the alarm system.

- Power: via the control panel BUS, 12 V (9 – 15 V)
- Current consumption: lost AC 10 mA
- Standby: max. 15 mA
- RFID: EM 125 kHz
- Dimensions: 76 × 102 × 33 mm
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C
- Security level: grade 2 according to EN 50131-1, 50131-3

BUS access module with RFID and keypad

JA-113E

The JA-113E is a the access module with controlling touch keys and an RFID reader designed for controling an alarm system. It includes one control segment and if needed it can be equipped with maximum 20 JA-192E control segments. It allows control of an alarm system by using segments. It communicates by BUS and it is powered from the BUS. Implemented power consumption saving function during AC outage. It occupies one position in the alarm system.

- Power: via the control panel BUS, 12 V (9 – 15 V)
- Current consumption: lost AC 10 mA
- Standby: max. 20 mA
- RFID: EM 125 kHz
- Dimensions: 98 × 102 × 33 mm
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C
- Security level: grade 2 according to EN 50131-1, 50131-3

BUS access module with LCD, keypad and RFID

JA-114E

The JA-114E is an access module with an LCD, keys and an RFID reader designed for controling an alarm system. It includes one control segment and if needed it can be equipped with maximum 20 JA-192E control segments. It allows control of an alarm system by using segments. It communicates by the BUS and it is powered from the BUS. Implemented power consumption saving function during AC outage. It occupies one position in the alarm system. Menu options allow the convenient control of sections, zones, PG outputs and event reports.

- Power: via the control panel BUS, 12 V (9 – 15 V)
- Current consumption: lost AC 15 mA
- Standby: max. 50 mA
- RFID: EM 125 kHz
- Dimensions: 151 × 102 × 33 mm
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C
- Security level: grade 2 according to EN 50131-1, 50131-3

Control segment for access modules

JA-192E

The JA-192E is a control segment for access modules JA-112E, JA-113E, JA-114E, JA-152E, JA-153E, and JA-154E.
It allows the user to easily control functions in the alarm system:
– common segment
– partition control (SET, PARTIAL SET, UNSET)
– PG output control (PG ON and PG OFF)
– call up events (panic, medical alert and others)
– status indication

- Power: via the access module
- Standby consumption: 0.5 mA
- Dimensions: 15 × 102 × 33 mm
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

BUS outdoor RFID reader

JA-122E

The JA-122E RFID chip reader can be used to activate a PG output. Can be used for example to control access (opening a door lock). Features a reading face and optical status signalling

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby current: 15 mA
- RFID: EM 125 kHz
- Dimensions: 151.5 × 46 × 22.5 mm
- Operating temperature range: –25 °C to 60 °C
- Environment according to EN 50131-1: IV., general outdoor, IP 65
- Security level: grade 2 according to EN 50131-1, EN 50131-3
- Complies with standards: ETSI EN 300330, EN 50130-4, EN 55022, EN 60950-1

BUS outdoor keypad with RFID reader

JA-123E

This keyboard with a contactless RFID chip reader can be used to activate a PG output (e.g. to manage access by door lock control) or to control security system sections.
The keyboard has one operating segment, a reading face and optical status signalling. Signalling displays the status of the function assigned to the segment. The red LED indicates a set section / activated PG, the green LED indicates an unset section/unactivated PG.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby current: 15 mA
- RFID: EM 125 kHz
- Dimensions: 151.5 × 46 × 22.5 mm
- Operating temperature range: –25 °C to 60 °C
- Environment according to EN 50131-1: IV., general outdoor, IP 65
- Security level: grade 2 according to EN 50131-1, EN 50131-3
- Complies with standards: ETSI EN 300330, EN 50130-4, EN 55022, EN 60950-1

Bus emergency/control wall-mounted button

JA-112J

The JA-112J bus wall-mounted button is designed to release an emergency alarm or to control PG outputs. It is equipped with two buttons and a signal LED that can indicate pressing of a button on activation or switching a PG output on or off (with red/green light). It also has the function of the delayed activation of an emergency alarm (when the activation can be cancelled with repeated pressing). A delayed alarm is indicated by flashing of the red LED. The button is addressable and it occupies one position in the system.

- Power supply: from the control panel bus, 12 V (9 – 15 V)
- Consumption in idle state: 5 mA
- Dimensions: 80 × 80 × 29 mm
- Environmental class according to EN 50131-1: II., general indoor
- Operation temperature range: –10 °C to 40 °C
- Security level: grade 2 according to EN 50131-1, EN 50131-3, EN 50134-2
- Complies with standards: EN 50130-4, EN 55022

Bus system control module

JA-111H-AD

The JA-111H-AD is a bus module for controlling the JABLOTRON 100 system. It is installed in an external control device (with contact or pulse outputs) and enables it to communicate via the bus system. It provides its power supply as well. The module allows pulse or status setting/unsetting. PG programmable outputs cannot be controlled with the module.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby current: 5 mA
- Connected controller load: max. 50 mA
- Dimensions: 22 × 27 × 14 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-3
- Environment according to EN 50131-1: II., general indoor
- Operating temperature range: –10 °C to 40 °C
- Complies with standards: EN 50130-4, EN 55022

RS-485 bus interface

JA-121T

The JA-121T module is a universal adapter to RS-485 for other systems. It enables connection of the JABLOTRON 100 system bus to an RS-485 serial line and vice versa. An application can be e.g. for the connection of a Smart Home system. It contains galvanically separated circuits for 4 kV. Data are sent in the case of a status change or on request. In the passive mode all data are only sent on request. The module is addressable and it occupies one position in the system.

- Power supply: via the control panel bus 12 V (9 – 15 V)
- Module consumption in idle state: 10 mA
- RS-485 output part: 5 V (4.75 to 5.25 V)
- Galvanic isolation: 4 kV BUS – RS-485
- Max. cable length of the TMP terminal: 3 m
- Operation modes based on internal settings: ASCII interface 9600 bd/ Altonica communicator
- Dimensions: 52 × 38 × 14 mm
- Environmental class according to EN 50131-1: II., general indoor
- Operation temperature range: –10 °C to 40 °C
- Complies with standards: EN 50130-4, EN 55022

Detectors

BUS PIR movement detectors

BUS PIR motion detector

JA-110P

The JA-110P is a BUS PIR motion detector designed for interior protection. It detects movement with a human body temperature. The detection characteristic may be optimised by using alternative lenses JS-7904 LONG HALL WAY, JS-7906 PET or JS-7901 CURTAIN. The immunity level is selectable to two levels. The Alarm memory function is an optional setting allowing the easy indication and location of an alarm.
It occupies one position in the alarm system. SMART MEMORY indication (SMI) provides visual LED verification of a triggered detector. SMI is cleared through the keypad.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby consumption: 5 mA
- Mounting height: 2.5 m above the floor
- Detection range: 110°/12 m (with standard lense)
- Dimensions: 97 × 60 × 52 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-2-2
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C
- Complies with standards: EN 50130-4, EN 55022

BUS motion and glass-break detector

JA-120PB

The JA-120PB detector is designed to detect human movement inside buildings and the breaking of glass panes. It contains two independent detectors (occupies two positions in the alarm system). It uses a PIR sensor to detect human movement. Glass breaking is detected by the GBS glass-break sound detector. Detection is based on dual technology (detection of air pressure changes accompanied by the characteristic sound of breaking glass). Features adjustable sensitivity.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby current: 5 mA
- Mounting height: 2.5 m above the floor
- PIR detection angle/range: 110°/12 m (with standard lens)
- GBS detection distance: 9 m (glass pane min. 0.6 × 0.6 m)
- Dimensions: 95 × 60 × 55 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-2-2, CLC/TS 50131-2-7-1
- Environment according to EN 50131-1: II., general indoor
- Operating temperature range: –10 °C to 40 °C
- Complies with standards: EN 50130-4, EN 55022

BUS combined PIR and MW motion detector

JA-120PW

The JA-120PW detector is designed to detect human body movement inside buildings. The detector is highly resistant to false alarms due to the combination of PIR motion and microwave detection. The detector guards as a standard PIR detector and as soon as it detects movement in the protected area it activates the microwave detector which confirms the earlier PIR activation. The alarm is sent to the system's control panel only after the movement is confirmed by the MW detector. The MW is only activated when the PIR sensor has detected movement. MW unit is switched off when alarm is unset. PIR detection characteristics can be optimized by using interchangeable lenses. The detector occupies one position in the alarm system.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby current: 5 mA
- Mounting height: 2.5 m above the floor
- Detection angle/range: 110°/12 m (with standard lens)
- Dimensions: 95 × 60 × 55 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-2-4
- Environment according to EN 50131-1: II., general indoor
- Operational temperature range: –10 °C to 40 °C
- Complies with standards: EN 50130-4, EN 55022

BUS PIR motion detector with camera

JA-120PC

The detector serves for the detection of human movement in building interiors and **visual alarm confirmation.** The camera takes colour photos by detecting human movement while the system is set. Every picture is taken as a double exposure: the first with low resolution (LQ = 320 × 240 pixels), the second with high resolution (HQ = 640 × 480 pixels).

The camera is equipped with a visible flash for taking photos in the dark. The images are saved in the internal memory (micro SD card on the detector PCB) of the detector and then they are forwarded to the control panel (lower resolution). The images can be sent to an ARC and a user. The user can receive imagines automatically by SMS or e-mail. They are also available on the MyJABLOTRON Web Self Service (WSS) application which you can have on your smartphone, tablet or computer where you can browse through the images. For fast reporting the pictures are sent and displayed in LQ, however if needed, then by single click in the WSS it is possible to request HQ image too.

The detector can also take a photo on command if it is required (e.g. for fire alarm confirmation) by PG output reaction or by a request sent from the WSS. The detector offers the option to send pre-alarm images. When this parameter is enabled the detector will send photos from a set section if an alarm has not been triggered yet (for example during the entrance delay).

The PIR immunity level is selectable to two levels. The standard level combines a basic immunity level with a rapid reaction. The increased level provides a higher immunity but the detector reaction is slower.

- Power: from the control panel BUS 12 V (9 – 15 V)
- Detection angle/range: 55°/12 m (with standard lens)
- Memory card: Micro SD
- Acceptable capacities: 1 GB to 2 GB
- Dimensions: 110 × 60 × 55 mm
- Environment pursuant to EN 50131-1: II., interior general
- Operational temperature range: –10 °C to 40 °C
- Security level: grade 2 according to EN 50131-1, EN 50131-2-2
- Complies with standards: EN 50130-4, EN 55022

BUS perimeter protection detectors

BUS acoustic glassbreak detector

JA-110B

The JA-110B BUS glass break detector detects the breaking of glass windows. Dual technology detection (air pressure and sound analysis) is used. The sensitivity is adjustable. The detector communicates on the control panel BUS and it is powered by the BUS. The alarm memory function is an optional setting allowing the easy indication and location of an alarm. The detector occupies one position in the alarm system. SMART MEMORY indication (SMI) provides visual LED verification of a triggered detector. SMI is cleared through the keypad.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby consumption: 5 mA
- Mounting height: 2.5 m above the floor
- Detection range: up to 9 m
- Minimum glass dimensions: 0.6 × 0.6 meters
- Initialization: maximum 60 seconds
- Dimensions: 100 × 40 × 22 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-2-7-1
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

BUS module for magnetic detectors – 2 inputs

JA-110M

The JA-110M connects to a magnetic door opening detector and has two independent programmable inputs NC, NO or EOL resistor. It filters triggering time (0.5 s, 1 s, 2 s or 5 s). Communicates and is powered by the control panel BUS. The alarm memory function allows the easy indication and location of an alarm. It is addressable and occupies two positions. Smart memory indication (SMI) provides visual LED triggering verification. SMI is cleared through the keypad.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby consumption: 5 mA
- Connection wire length between module and magnetic contacts: up to 3 meters
- Dimensions: 100 × 40 × 22 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-2-3
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

BUS magnetic opening detector

JA-111M

JA-111MB

The device detects door or window opening. Communication with the control panel runs via the BUS. The detector is equipped with a sabotage protection cover activated after cover opening. The sensor is activated after the permanent magnet moves away from the sensor. The device occupies a single position in the security system.

- Power: from the control panel BUS 12 V (9 – 15 V)
- Standby consumption: 5 mA
- Detector size: 55 × 26 × 16 mm
- Magnet size: 55 × 16 × 16 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-2-6
- Operation temperature range: –10 °C to 40 °C
- Complies with standards: EN 50130-4, EN 55022

BUS shock or tilt detector

JA-111SH

The JA-111SH BUS detector features two modes of operation. Jolt (vibration) detection mode sensed on doors, windows, light partitions etc.; may indicate an attempt to break through using force. Tilt detection mode may indicate unwanted tampering with a valuable object to which the detector is firmly connected (e.g. safes, artwork, etc.). The detector uses a semiconductor three-axis accelerometer with a digital output. Digital signal processing provides high immunity to false alarms. The system occupies one position in the system.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby current: 5 mA
- Dimensions: 55 × 27 × 16 mm
- Security level: grade 2 according to EN 50131-1, CLC/TS 50131-2-8
- Environment according to EN 50131-1: II., general indoor
- Operating temperature range: –10 °C to 40 °C
- Complies with standards: EN 50130-4, EN 55022

BUS connection module for magnetic detectors

JA-118M

The JA-118M BUS module provides 8 inputs designed especially for connecting magnetic detectors. Reaction of each input can be independently programmed as single balanced, NC or special windows shutters input which is triggered by repeated activation pulses. Line length is max. 100 m for one loop. The module can be installed into the JA-190PL universal box or KU-68 wall-mounted box. It is addressable and occupies 8 positions.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby current: 5 mA
- Dimensions: 50 × 38 × 14 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-3
- Environment according to EN 50131-1: II., general indoor
- Operating temperature range: –10 °C to 40 °C
- Complies with standards: EN 50130-4, EN 55022

BUS environmental detectors

BUS combined smoke and heat fire detector

JA-110ST

The JA-110ST detects fire inside residential or commercial premises. It allows: smoke and heat, smoke or heat, smoke only, heat only. The alarm memory function lights the LED after the alarm state. The detector occupies one position in the alarm system. SMART MEMORY indication (SMI) provides visual LED triggering verification. SMI is cleared through the keypad.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby consumption: 5 mA
- Fire detection: optical and heat
- Fire detection sensitivity: m = 0.11÷0.13 dB/m EN 54-7
- Temperature detection: class A2 of EN 54-5
- Alarm temperature: 60 °C to 70 °C
- Dimensions: diameter 126 mm, height 50 mm
- Operating temperature range: –10 °C to 70 °C

BUS combined smoke and temperature detector

JA-111ST

The JA-111ST is unique bus fire detector certified according to EN 14604, EN 54-5 and EN 54-7 standards. It contains two separate detectors – an optical smoke detector and a temperature detector detecting fire or increased temperature in residential and commercial buildings. The detector allows you to set various detection options: smoke and elevated temperature, smoke or elevated temperature, only smoke or only elevated temperature. The detector indicates a dangerous situation optically with an integrated lamp and with an acoustic signal. It occupies one position in the security system.

- Power: via the control panel bus 9 – 15 V DC/3.5 mA (150 mA in the case of an alarm) 3× alkaline batteries AA 1.5 V
- Typical service life of the batteries: about 3 years
- Smoke detection: optical diffusion of light
- Smoke detector sensitivity: m = 0.11÷0.13 dB/m in accordance with EN 14604, EN 54-7
- Temperature detection: class A1 in accordance with EN 54-5
- Alarm temperature: 60 °C to 65 °C
- Operating temperature: –10 to 70 °C
- Dimensions: diameter 126 mm, height 52 mm

BUS temperature detector

JA-111TH

The JA-111TH is a BUS temperature detector for measuring the current temperature. The measured data is forwarded via the control panel to the Jablotron web-self service. The MyJABLOTRON Web Self Service can then send reports by e-mail or SMS when the measured value goes above or below the user-defined temperatures.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby current: 3 mA
- Dimensions: 55 × 26 × 16 mm
- Temperature measurement accuracy: ± 0.5°C
- Temperature measurement resolution: 0.125 °C
- Operating temperature range: –20 °C to 60 °C
- Environment according to EN 50131-1: II., general indoor
- Complies with standards: EN 50130-4, EN 55022

BUS flood detector

JA-110F

The detector indicates space (cellar, bathroom etc.) flooding. This information is transmitted to the control panel via the BUS. When the electrodes are flooded the detector sends an activation signal. When electrode flooding retreats a standby signal is sent. The detector has no tamper and occupies a single position in the system.

- Power: from the control panel BUS 12 V (9 – 15 V)
- Detector: Reacts to electrode flooding with water
- Size: 53 × 20 × 5 mm
- Operational temperature range: –10 °C to 40 °C
- Complies with standards: EN 50130-4, EN 55022

Detector accessories

BUS module interface for wire detectors

JA-111H

The JA-111H BUS module is designed for connecting any hardwired detector to the JABLOTRON 100 alarm system. The module communicates and it is powered by the control panel BUS. The module is available as a PCB and it can be mounted in a hardwired detector. It offers a NC or NO input. It allows filtering of the minimum triggering time (0.5 s, 1 s, 2 s or 5 s). It occupies one position in the alarm system.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby consumption: 2 mA
- Maximum standby consumption of connected detector: 50 mA
- Dimensions: 22 × 27 × 14 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-3
- Environmental according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

BUS expander – 16 inputs

JA-116H

The JA-116H BUS expander provides option for powering and connecting of up to 16 conventional hardwired detectors with contact outputs to the JABLOTRON 100 system. Reaction of each input can be independently programmed as single balanced, double balanced, NC or NO contact. For balanced inputs it is possible to select one common value of connected resistors. Supported resistances are 1k; 2k2; 3k3; 4k7; 5k6 and 10k. The module can be installed directly into the JA-106K control panel or other installation boxes protected by a tamper contact. It is addressable and occupies 16 positions.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby current: 5 mA
- Load of connected devices: max. 4× 100 mA
- Dimensions: 66 × 102 × 20 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-3
- Environment according to EN 50131-1: II., general indoor
- Operating temperature range: –10 °C to 40 °C
- Complies with standards: EN 50130-4, EN 55022

Sirens

BUS internal siren

JA-110A

The JA-110A BUS internal siren is designed to sound alarms, exit and entrance delays, chirps and PG output activations in the alarm system. The siren is equipped with a button with programmable function. Implemented alarm verification feature. The siren communicates and is powered by the control panel BUS. It occupies one position in the alarm system.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Avg. standby consumption: 5 mA; alarm consumption 30 mA
- Siren: piezo electric, 90 dB/m
- Dimensions: 80 × 80 × 30 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-4
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

Outdoor BUS siren

JA-111A

The JA-111A bus siren is designed for the acoustic indication of alarms and the activation and deactivation of PG outputs in a security system. The siren communicates via the bus of the control panel and is powered by it. It has an implemented energy saving function in the case of a power supply failure as well as an integrated spirit level for accurate and precise setup. It occupies one position in the alarm system. Alternative covers are available for the siren in a stainless-steel or plastic design in white or grey. Covers are offered in designs with a red or blue signal. It is addressable and it occupies one position in the alarm system.

- Power: via the control panel bus 12 V (9 – 15 V)
- Consumption: 5 mA in the case of an AC failure
- Consumption during battery charging: 50 mA
- Backup battery: NiCad pack 4.8 V/1.800 mAh
- Battery service life: 3 years
- Siren: piezoelectric, min 100 dB/m
- Dimensions: 300 × 200 × 70 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-4
- Environment according to EN 50131-1: IV., general outdoor, IP 45
- Operating temperature: –25 to 60 °C
- Ingress protection class: IP 45

BUS power output module PG

JA-110N

The JA-110N BUS power output module PG is designed to offer one switchable output relay (220 V/16 A) with a NO or NC setting. An appropriate PG output is programmed by DIP switches (operates one of PG outputs 1 - 32). The module communicates by the BUS and it is powered from the control panel BUS. It can be installed in a JA-190PL housing. It is not addressable.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Switched off consumption: 5 mA
- Switched on consumption: 45 mA
- Maximum output relay load: max. 16 A/250 V
- Reactive load: max. 8 A/250 V
- Minimum switching current: 100 mA at 12 V DC or 0.5 W
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

BUS signal output module PG

JA-111N

The JA-111N BUS signal output module PG is designed to offer one switchable relay (1 A) with a NO or NC setting. An appropriate PG output is programmed by DIP switches (operates one of PG outputs 1 - 32). The module communicates by the BUS and it is powered from the control panel BUS. It can be installed in a JA-190PL housing. It is not addressable.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Switched off consumption: 5 mA
- Switched on consumption: 25 mA
- Maximum output relay load: max. 2 A/60 V DC
- Minimum switching current: 10 mA
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

Eight-Channel BUS output module

JA-118N

The eight-channel output module provides outputs for the signalling of the security status of up to 8 sections, the signalling of IW/EW alarms in the 8 sections or the conditions of up to 8 PG outputs. It is designed for installation in a JA-190PL multipurpose box or on a DIN board. Its outputs are isolated from the BUS. Setting is done by a DIP switch. The module occupies no position in the system.

- Power: from the control panel BUS 12 V (9 – 15 V)
- Setting: By DIP switch
- Outputs: Providing +U voltage
- Output load capacity: 100 mA
- Operating temperature range: –10 °C to 40 °C

BUS PG-DIN power output module

JA-110N-DIN

The JA-110N-DIN power output module is DIN-rail mounted. It provides a PG output power relay switch. It has been designed for mounting on a DIN rail and for switching mainspowered output devices (up to 230 V/16 A). It is connected to a system BUS through which it is also powered. It has to be enrolled into the system and occupies one position.

- Power: via the control panel BUS 12 V (9 -15 V)
- Standby current: 5 mA/45 mA
- Relay contact rating: max. 16 A/250 V (inductive load max. 8 A/250 V)
- Minimum DC switching power: 0.5 W
- Dimensions: 18 × 90 × 64 mm
- Environment: General indoor
- Operating temperature range: –10 °C to 40 °C

Bus module for control of an electric lock

JA-120N

The JA-120N module is designed for the power supply and control of electric locks and release systems from the system bus. It is fitted with batteries that ensure the initial current impulse required to open el. locks. The JA-120N can be conveniently installed in all places where an external power supply for electric lock control would be difficult to install. To module responds to a PG output of the control panel or it can be activated with a button connected to the IN input (it can be optionally locked by section control). The module is addressable and it occupies one position in the system.

- Power supply: via the control panel bus 12 V (9 – 15 V)
- Back-up battery: 3× 1.2 V NiMh Eneloop AA HR-3UTGA 1900mAh
- Module consumption in idle state: 10m A/60 mA (without/with battery recharging)
- DOOR output load: impulse (1 s) 600 mA, permanent 300 mA
- Recommended locks: manufacturer – Bera s.r.o – type:
  Befo 11211 or Befo 31211 (requiring external power supply)
- Dimensions: 90 × 90 × 35 mm
- Environment according to EN 50131-1: II., general indoor
- Operation temperature range: 0 °C to 40 °C (for NiMh Eneloop)
  –10 °C to 40 °C (for NiCd)
- Security level: grade 2 according to EN 50131-1, EN 50131-3
- Complies with standards: EN 50130-4, EN 55022, EN 60950-1

BUS section/output PG activation indicator

JA-110I

The JA-110I indicates activations (SET) of a section or PG output (1 - 32) by RED LED. It is connected by BUS to the control panel. It does not occupy any position in the alarm system.

- LED ON consumption: 5 mA
- LED OFF consumption: 2 mA
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C
- Dimensions: 36 × 62 × 27 mm

Universal LED indicator RGB

JA-111I

The JA-111I indicates activations of a section (SET) or PG output activations (1 – 32) by multicolour LED (red, green, blue and yellow).

- LED ON consumption: max. 4 mA
- LED OFF consumption: 0 mA
- Operating temperature range: –10 °C to 40 °C
- Dimensions: 36 × 62 × 27 mm

Accessories

BUS short circuit isolator module

JA-110T

The JA-110T BUS isolator is designed to separate and protect unsecured parts of BUS wiring. It is powered from the control panel BUS. It can be installed in a JA-190PL housing box. It does not occupy any position in the alarm system.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby consumption: 5 mA
- Maximum terminal load: 250 mA
- Switch off current 300 mA
- Operating temperature range: –10 °C to 40 °C
- Security level: grade 2 according to EN 50131-1, EN 50131-3

Multipurpose installation box

JA-190PL

The JA-190PL multipurpose installation box for various modules of the JABLOTRON 100 system.

- 90 × 90 mm
- IP 40
- Resistant up to 250 V
- ABS material

Multipurpose outdoor installation box

JA-192PL-A

JA-192PL-A multi-purpose outdoor installation box for individual modules of the JABLOTRON 100 system.

- Ingress protection class: IP 65
- Dimensions: internal: 62 × 38 × 20 mm, external: 70 × 62 × 35 mm

External antenna

AN-868

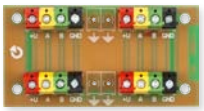
AN-868-2PIN

The AN-868 and AN-868-2PIN external antennas are designed to extend the communication range of wireless devices of the Jablotron security system using a frequency of 868.1 MHz. The special design of the PIFA type provides the antenna with not only very good transmitting properties on different bases, but also tamper detection in the case of interruption or short-circuiting of the power supply (this functionality must be supported by the connected device). The antenna is suitable for both indoor and outdoor environments.

The AN-868-2PIN version is connected using a 2-pin connector that is used in devices of older systems and the present components of the JABLOTRON 100 system. The AN-868 version is connected using a 3-pin connector that is used in newly developed devices of the JABLOTRON 100 system.

- Communication frequency: 868.1 MHz
- Antenna gain: max. 3 dBi
- Impedance: 50 Ω
- Cable length: 2 m
- Environmental class according to EN 50131-1: IV.
- Operation temperature range: –20 °C to 60 °C
- Classification according to EN 50131-1: security grade 2 (only for AN-868 version)

BUS terminal module



JA-110Z-A

The JA-110Z-A is designed to allow you to join BUS lines in the JABLOTRON 100 system. It can be installed in the JA-190PL.

- Maximum voltage: AC 42 V
- Maximum voltage: DC 60 V
- Maximum current: 2 A

BUS terminal module

JA-110Z-B

The JA-110Z-B is designed to allow you to join BUS lines in the JABLOTRON 100 system. It can be installed in the JA-190PL.

- Maximum voltage: AC 42 V
- Maximum voltage: DC 60 V
- Maximum current: 2 A

BUS terminal module

JA-110Z-C

The JA-110Z-C is designed to allow you to join BUS lines in the JABLOTRON 100 system. It can be installed in the JA-190PL.

- Maximum voltage: AC 42 V
- Maximum voltage: DC 60 V
- Maximum current: 2 A

Installation wire for the JABLOTRON 100 system

CC-01

Installation wire designed for installation. Wire colours are identical to terminals colours. Easy Reel box, 300 m, Marking (Black ink, once per meter).

- 1 × 2 × 24 AWG (0.5 mm) max. Conductor DC Resistance at 20 °C 97 Ω/km
- 1 × 2 × 20 AWG (0.8 mm) max. Conductor DC Resistance at 20 °C 38 Ω/km

Installation wire for the JABLOTRON 100 system

CC-02

Installation wire designed for installation. Wire colours are identical to terminals colours. Easy Reel box, 300 m, Marking (Black ink, once per meter).

- 2 × 2 × 24 AWG (0.5 mm) max. Conductor DC Resistance at 20 °C 97 Ω/km

Installation cable for the JABLOTRON 100 system

CC-03

The CC-03 cable is intended for the comfortable installation of bus lines for the JABLOTRON 100 system with another 2 pairs of auxiliary conductors. The colours of the conductors correspond to the colour indication of the JA-100 bus, facilitating the connection of bus devices of the alarm. The cable is packed in a cardboard box, 250 m each and for the easy checking of consumed material it has 1m marks printed.

- 1 × 2 × 20 AWG (0.8 mm)
- 3 × 2 × 24 AWG (0.5 mm)

Label printer

PT-P700

The label printer enables the printing of labels for the control segments of access modules (keyboards) right at the place of installation. Labels can be printed directly from F-Link program version 1.2.0 or higher from the internal settings of the access modules (printer drivers must be installed for this function). The printer can also be used to print labels using the P-Touch Editor Lite program, which is installed directly in the printer without any necessity to install drivers.

- Power supply: AD-E001 EU mains adapter (included in the delivery) or 6 AA alkaline batteries (LR6)/1.5 V (not included in the delivery)
- USB port: USB mini B (included in the delivery)
- Cartridge with a tape for printing segment labels: w 12 mm/l 8 m (included in the delivery)
- Cartridge with a tape for other printing: w 24 mm/l 3 m (included in the delivery)

RADIO DEVICES

BUS interface for wireless components

JA-110R

The JA-110R radio BUS module allows you to connect radio devices such as detectors to the alarm system. A maximum of 3 JA-110R modules can be installed in the system in order to secure excellent radio coverage in the premises. The module communicates and is powered by the BUS. It is optional to mount the module in the control panel housing. It occupies one position in the alarm system.

- Power: via the control panel BUS 12 V (9 – 15 V)
- Standby consumption: 25 mA
- Radio frequency: 868.1 MHz
- Dimensions: 150 × 40 × 23 mm
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C
- Security level: grade 2 according to EN 50131-1, EN 50131-3, EN 50131-5-3

Wireless access modules

Wireless access module with RFID

JA-152E

The JA-152E is 2-way wireless RFID access module designed for controling an alarm system. It includes one control segment and if needed it can be equipped with maximum 20 JA-192E control segments. It allows control of an alarm system by using segments. Implemented Smart Radio Wake-up (SRW) entrance function allowing automatic ending of sleep mode in set systems during the entrance delay time. It is battery powered by alkaline batteries. It occupies one position in the alarm system.

- Power: 2 alkaline batteries AA 1.5 V
- Typical lifetime: 1 year
- Communicating protocol: Jablotron 2 way 868.1 MHz, RFID: EM 125 kHz
- Radio coverage: up to 200 meters (in an open area)
- Dimensions: 76 × 102 × 33 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-3, EN 50131-5-3, EN 50131-6
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

Wireless access module with RFID and keypad

JA-153E

The JA-153E is 2-way wireless keypad with an RFID access module designed for controling an alarm system. It includes one control segment and if needed it can be equipped with maximum 20 JA-192E control segments. It allows control of an alarm system by using segments. Implemented Smart Radio Wake-up (SRW) entrance function allowing automatic ending of sleep mode in set systems during the entrance delay time. It is battery powered by alkaline batteries. It occupies one position in the alarm system.

- Power: 2 alkaline batteries AA 1.5 V
- Typical lifetime: 1 year
- Communicating protocol: Jablotron 2 way 868.1 MHz, RFID: EM 125 kHz
- Radio coverage: up to 200 meters (in an open area)
- Dimensions: 98 × 102 × 33 mm
- Security level: grade 2 according to EN50131-1, EN 50131-3, EN 50131-5-3, EN 50131-6
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

Wireless access module with display, keypad and RFID

JA-154E

The JA-154E is a two-way wireless access module with an LCD display, a keypad and an RFID reader for security system control. The module includes one control segment and can be equipped with up to 20 JA-192E control segments. The segments are used for security system control. The implemented function of smart radio activation by the Smart Radio Wake-up input (SRW) allows for the automatic interruption of sleep mode in a set system during the entrance delay. The module is powered by alkaline batteries. The module is addressable and occupies a single position in the security system.

- Power: 4× AA 1.5 V alkaline batteries
- Typical battery life: 1 year
- Operational frequency: two-way Jablotron 868.1 MHz protocol, RFID: EM 125 kHz
- Communication range: up to 200 metres (in an open area)
- Size: 151 × 102 × 33 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-3, EN 50131-5-3, EN 50131-6
- Environment according to EN 50131-1: II., interior general
- Operation temperature range: –10 °C to 40 °C

Control segment for access modules

JA-192E

The JA-192E is a control segment for access modules JA-112E, JA-113E, JA-114E, JA-152E, JA-153E, and JA-154E.
It allows the user to easily control functions in the alarm system:
– common segment
– partition control (SET, PARTIAL SET, UNSET)
– PG output control (PG ON and PG OFF)
– call up events (panic, medical alert and others)
– status indication

- Power: via the access module
- Standby consumption: 0.5 mA
- Dimensions: 15 × 102 × 33 mm
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

Mains adaptor 12 V/0.5 A

DE06-12

Power adaptor with a 1.1 m flexible cable terminated by a plug is intended for powering Jablotron devices like wireless keyboards, GSM communicators or UC receivers etc. The compact dimensions of the case allow installation into a standard electro-installation junction box for hidden installation beneath Jablotron wall-boxmounted products such as the above-mentioned items. The screw holes for M3 screws are also useful for installation in typical junction boxes where fixing is required.

- Power: 100 ~ 240 V/50 Hz
- Output voltage: 12 V DC (±2%)
- Output current: 500 mA (max. 1000 mA for less than 5 min.)
- Short circuit and temperature overloading protection: Yes
- Size: 50 × 48 × 25 mm
- Environment according to EN 50131-1: II., interior, general
- Operational temperature range: –10 °C to 40 °C
- Complies with standards: EN 60950-1, EN 61204-3, EN 61000-3-2, 3-3, 6-1, 6-3, EN 5502

Wireless motion PIR detector

JA-150P

The JA-150P is a PIR motion detector designed for interior protection. It detects of human movement in building interiors. The detection characteristic may be optimised by using the alternative lenses JS-7904 LONG HALLWAY, JS-7906 PET or JS-7901 CURTAIN. The immunity level is selectable to two levels. It is powered by two alkaline batteries. SMARTWATCH is a default setting intended for the permanent monitoring of movement in the guarded area. If permanent movement is detected, three reports are sent every 20 s. Then next report is then sent after 2 minutes. If the detector does not detect any movement for 10 minutes, the mode with three reports every 20 s is used again. The other available detector mode is one minute interval. It occupies one position in the alarm system.

- Power: 2 alkaline batteries AA 1.5 V
- Typical lifetime: about 2 years (the longest lifetime is achieved in SMARTWATCH mode)
- Communicating protocol: 868.1 MHz
- Radio coverage: up to 300 meters (in an open area)
- Mounting height: 2.5 m above floor
- Detection range 110°/12 m (with standard lense)
- Dimensions: 97 × 60 × 52 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-2-2, EN 50131-5-3
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

Wireless PIR motion detector with camera

JA-160PC

The detector serves for the detection of human movement in building interiors and **visual alarm confirmation.** The camera takes colour photos by detecting human movement while the system is set. Every picture is taken as a double exposure: the first with low resolution (LQ = 320 × 240 pixels), the second with high resolution (HQ = 640 × 480 pixels).

The camera is equipped with a visible flash for taking photos in the dark. The images are saved in the internal memory (micro SD card on the detector PCB) of the detector and then they are forwarded to the control panel (lower resolution). The images can be sent to an ARC and a user. The user can receive imagines automatically by SMS or e-mail. They are also available on the MyJABLOTRON Web Self Service (WSS) application which you can have on your smartphone, tablet or computer where you can browse through the images. For fast reporting the pictures are sent and displayed in LQ, however if needed, then by single click in the WSS it is possible to request HQ image too.

The detector can also take a photo on command if it is required (e.g. for fire alarm confirmation) by PG output reaction or by a request sent from the WSS. The detector offers the option to send pre-alarm images. When this parameter is enabled the detector will send photos from a set section if an alarm has not been triggered yet (for example during the entrance delay).

The PIR immunity level is selectable to two levels. The standard level combines a basic immunity level with a rapid reaction. The increased level provides a higher immunity but the detector reaction is slower. It occupies one position in the alarm system.

- Power: 2× AA 1.5 V alkaline batteries (LR6)
- Typical battery life: 2 years (1 activation takes 1 series of photos a day)
- Operational frequency: 868.1 MHz
- Radio coverage: approx. 200 m (in an open area)
- Detection angle/shot range: 50°/12 m (with standard lens)
- Memory card: Micro SD
- Acceptable capacities: 1 GB to 2 TB/GB
- Dimensions: 110 × 60 × 55 mm
- Environment according to EN 50131-1: II., interior general
- Operational temperature range: –10 °C to 40 °C
- Security level: grade 2 according to EN 50131-1, EN-50131-2-2, EN 50131-5-3, EN 50131-6
- Complies with standards: EN 50130-4, EN 55022, EN 60950-1, ETSI EN 300 220

Wireless PIR and glass break combined detector

JA-180PB

The JA-180PB combines the JA-180P PIR motion sensor with a glass-break sensor in one housing. Each sensor is enrolled to the control panel separately. The dual technology glass-break sensor reacts to air pressure changes followed by sound analysis to ensure a high immunity to false alarms. The detection characteristic may be optimised by using alternative lenses JS-7904 LONG HALLWAY, JS 7906 PET or JS-7901 CURTAIN. It occupies two positions in the alarm system.

- Power: 1× lithium battery AA 3.6 V – PIR and 1× lithium battery 1/2 AA 3.6 V – GBS
- Typical lifetime: approx 3 years
- Communicating protocol: 868.1 MHz
- Radio coverage: approx. 300 m (open area)
- Detection range: 120°/12 m (with standard lense), 9 m – GBS
- Dimensions: 110 × 60 × 55 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-2-2, EN 50131-2-7-1, EN 50131-5-3
- Environment according to EN 50131-1: II., internal
- Optional lenses: corridor, curtain, pet

Wireless ceiling PIR detector

JA-185P

The JA-185P 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. It occupies one position in the alarm system.

- Power: 1× lithium battery AA 3.6 V
- Typical lifetime: approx 3 years
- Communicating protocol: 868.1 MHz
- Radio coverage: approx. 100 m (open area)
- Detection range: 360°/5 m
- Dimensions: 88 × 46 × 27 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-2-2, EN 50131-5-3
- Environment according to EN 50131-1: II., internal

Wireless dual PIR indoor detector

JA-186P

Designed to detect human body movement inside buildings. Detection in two zones gives high immunity to moving pets. The battery-powered detector communicates via Jablotron radio protocol. The normal installation height is 120 cm above the floor. The detector has two detection zones each of which covers an angle of 110° and a distance of 12 m. The imaginary dividing line between both zones is determined by the detector installation height. It occupies one position in the alarm system.

- Power: 1× lithium battery AA 3.6 V
- Typical lifetime: approx 3 years
- Communicating protocol: 868.1 MHz
- Radio coverage: approx. 300 m (open area)
- Detection range: 110°/12 m (basic lens)
- Dimensions: 180 × 60 × 55 mm
- Compies with standards: EN 300 220, EN 50130-4, EN 55022, EN 60950-1
- Environment according to EN 50131-1: II., internal

Wireless PIR and MW combined detector

JA-180W

The detector is used for human motion detection in the interior of a building. Thanks to the combination of motion and microwave detection, the detector is highly resistant to false alarms. When motion is sensed by the PIR detector, the MW detector is activated to confirm the triggering of the PIR. Only after receiving a confirmed alarm signal from the MW unit, the detector sends an alarm report to the control panel. The detection characteristic may be optimised by using alternative lenses JS-7904 LONG HALLWAY, JS 7906 PET or JS-7901 CURTAIN. It occupies one position in the alarm system.

- Power: 1× lithium battery AA 3.6 V
- Typical lifetime: approx 3 years
- Communicating protocol: 868.1 MHz
- Radio coverage: approx. 300 m (open area)
- Detection range: 120°/12 m (basic lens)
- Dimensions: 110 × 60 × 55 mm
- Optional lenses: corridor, curtain, pet
- MW detection range/MW frequency: 0.5 to 20 m/9.35 GHz
- Environment according to EN 50131-1: II., internal
- Security level: grade 2 according to EN 50131-1, EN 50131-2-4, EN 50131-5-3

Wireless outdoor detectors

Wireless outdoor two-zone PIR detector – narrow lenses

JA-157P

The JA-157P wireless PIR detector with narrow angle lenses is designed for the indication of intruders in an outdoor area. It is detector by the company Optex with a detection zone width of only 5°, which is very suitable for monitoring areas such as balconies, French windows, terraces etc. It is complemented by a transmitter compatible with the JABLOTRON 100 system. The detector is highly resistant to false alarms and the detection of small animals. The detector has an anti-masking function – protection from blinding the optical system of the detector. It is equipped with three protective contacts (tamper), one in the detection and two in the transmission part, which immediately report opening the detector or breaking away from the fitting. It occupies one position in the system.

- Power supply: 1× lithium battery, type CR123A (3 V/1500 mAh)
- Average service life of the battery: approx. 3 years (economy mode 120 s)
- Operating frequency: 868.1 MHz
- Communication range: up to 300 m (in an open area)
- Detection range/detection angle: Adjustable 2 or 5 m/5°
- Installation height: 0.8 - 1.2 m
- Object movement speed: 0.3 - 1.5 m/s
- Operating temperature: –20 °C to 60 °C
- Dimensions: power supply unit with transmitter 34 × 154 × 43 mm, detector 154 × 34 × 43 mm

Wireless outdoor motion detector

JA-158P

The JA-158P wireless PIR detector is designed for the detection of intruders in an outdoor area. It is a detector by the company Optex, complemented by a transmitter compatible with the JABLOTRON 100 system.
The optical part of the detector contains two PIR sensors with non-overlapping 94-zone optics and distinguishes itself by a high resistance to false alarms and the detection of small animals. The detector features an anti-masking function – protection from view blocking and it is further equipped with two tamper contacts (front and back), which immediately report opening of the detector or breaking away from its fitting.
The detector regularly performs its auto-test and reports its status through check transmissions to the system. It occupies one position in the system.

- Power supply: 2× (3×) lithium battery, type CR123A (3 V/1500 mAh)
- Typical service life of the batteries: 2× 3 V/3× 3 V, approx. 3 years/4 years (120 s)
- Operating frequency: 868.1 MHz
- Communication range: up to 300 mm (in an open area)
- Detection range/detection angle: 12 m/85°
- Installation height: 2.5 - 3.0 m
- Object movement speed: 0.3 - 1.5 ms^{-1}
- Environment according to EN 50131-1: IV.
- Operating temperature: –20 °C to 60 °C

Wireless outdoor motion detector

JA-159P

The JA-159P wireless PIR detector is designed for indication of intruders in an outdoor area. It is a two-zone detector by the company Optex, complemented by a transmitter compatible with the JABLOTRON 100 system.
The optical part of the detector contains two PIR sensors. It features two-zone detection with a high resistance to false alarms and small animals. The detector has an anti-masking function – protection from view blocking. It is equipped with two tamper contacts (front and back), which immediately report opening of the detector or breaking away from its fitting.
The detector regularly performs its auto-test and reports its status through check transmissions to the system. It occupies one position in the system.

- Power supply: 2× (3×) lithium battery, type CR123A (3 V/1500 mAh)
- Typical service life of the batteries: 2× 3 V/3× 3 V, approx. 3 years/4 years (120 s mode)
- Operating frequency: 868.1 MHz
- Communication range: up to 300 mm (in an open area)
- Detection range/detection angle: 12 m/90°
- Installation height: 0.8 - 1.2 m
- Operating temperature: –20 °C to 60 °C
- Dimensions: 186 × 71.3 × 105.5 mm

Wireless optical barrier

JA-150IR

The JA-150IR wireless IR optical barrier is designed for the indication of space intrusion by crossing the optical connecting line between the transmitter and receiver. It is a product of the company Optex, complemented by transmitters compatible with the JABLOTRON 100 system. It can be used indoor or outdoor.
The detector is fitted with two-ray optics with a high resistance to false alarms. The IR barrier occupies two positions in the system. Both parts of the screen indicate tampering. The radio transmitters regularly perform their auto-test and report by check transmissions to the system.

- Power supply: 4× (LSH20) lithium battery, type LSH20 (3.6 V, 13 Ah)
- Average service life of the batteries: approx. 3 years (economy mode 120 s)
- Operating frequency: 868.1 MHz
- Communication range: up to 300 m (in an open area)
- Distance between the units: max. 60 m
- Installation height: 0.7 to 1.0 m
- Operating temperature: –20 °C to 60 °C

Wireless 4-ray optical barrier

JA-151IR

The optical barrier is designed for the indication of intrusion into an up to 100m corridor by the movement of a person by crossing 4 infra-red rays. They make the JA-151IR barrier highly resistant to false alarms caused by the movement of small animals, falling leaves, etc. The IR barrier is protected for outdoor installation and it is functional even under adverse climatic conditions such as rain or snowfall. Due to its very accurate optical system it requires the most careful installation by a specialized company for its reliable functioning. It is a detector of the company Optex equipped with a radio module in the receiving and transmitting part compatible with the JABLOTRON 100 system. It occupies two positions in the system.

- Power supply: 4× lithium battery LSH20 (3.6 V, 13 Ah)
- Typical service life of the batteries: approx. 3 years (with the activated 120 s economy mode)
- Operating frequency: 868.1 MHz
- Communication range: about 300 m (in an open area)
- Detection distance: max. 100 m in an indoor environment
- Installation height: 0.7 - 1.0 m
- Detected movement speed: adjustable
- Detector protection: environment class IV., in accordance with EN 50131-1, outdoor environment
- Operating temperature: –20 to 60 °C

Wireless perimeter protection detectors

Wireless glass-break detector

JA-180B

Designed to detect window breaking for residential and commercial 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. It occupies one position in the alarm system.

- Power: 1× lithium battery AA 3.6 V
- Typical lifetime: approx 2 years
- Communicating protocol: 868.1 MHz
- Radio coverage: approx. 100 m (open area)
- Detection range: 9 m
- Dimensions: 110 × 30 × 27 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-2-6, EN 50131-5-3

Mini wireless magnetic detector

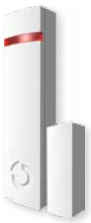
JA-151M

JA-151MB

The JA-151M is designed for the detection of windows or door opening. It has a unique small design suitable for residential or commercial installations.
It is powered with a lithium battery type CR2032. It occupies one position in the alarm system.

- Power: lithium battery CR2032 (3 V, 220 mAh)
- Typical lifetime: approx. 2 years for maximum 100 activations per day
- Communicating protocol: 868.1 MHz
- Radio coverage: up to 100 m (in an open area)
- Detector dimensions: 55 × 26 × 16 mm
- Magnet dimensions: 55 × 16 × 16 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-2-6, EN 50131-5-3
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

Wireless magnetic detector



JA-150M

JA-150MB

The JA-150M detector is designed to detect the opening of a window or door. It allows two basic behaviour responses: status or pulse responses to opening. It also includes two input terminals IN1 and IN2. Alternative wired opening detectors, a flood detector or a shutter sensor can be connected to these input terminals. It occupies two positions in the alarm system.

- Power: 1× alkaline battery (1.5 V)
- Typical lifetime: 2 years
- Operating frequency: 868.1 MHz
- Communication range: about 300 meters (open area)
- Security level: grade 2 according to EN 50131-1, EN 50131-2-6, EN 50131-5-3
- Environment according to EN 50131-1: II., general indoor
- Operating temperature range: –10 °C to 40 °C
- Dimensions: 109 × 24 × 22 mm

Wireless invisible magnetic detector

JA-182M

The JA-182M is designed for the detection of windows or doors 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 metal work are already prepared for the installation of this detector. It occupies one position in the alarm system.

- Power: 2× lithium battery type CR2354 (3 V)
- Typical lifetime: approx. 3 years
- Communicating protocol: 868.1 MHz
- Radio coverage: approx. 200 m (open area)
- Dimensions: 192 × 25 × 9 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-2-6, EN 50131-5-3

Wireless shock or tilt detector

JA-182SH

The detector’s operation is controlled by two modes. The shock (vibration) detection mode monitors doors, windows, light partitions etc. indicating attempts at their overcoming by rough force. The tilt detection mode on the other hand detects the unauthorised handling of a valuable object. The detector uses a triple-axis semiconductor accelerometer with a digital output. Digital signal processing guarantees a high resistance to false alarms. The detector is powered by a battery and occupies a single position in the security system.

- Power: lithium battery type CR-123A, 3 V, 1400 mAh
- Detected tilt (depending on setting): 10° - 45°
- Typical battery life: circa 2 years (for max. 20 activations a day in the power save mode)
- Operating frequency: 868.1 MHz
- Communication range: circa 300 m (direct visibility)
- Size: 75 × 31 × 26 mm
- Environment according to EN 50131-1: II., interior general
- Operational temperature range: –10 °C to 40 °C
- Security level: grade 2 according to EN 50131-1, EN 50131-5-3, EN 50131-2-8
- Complies with standards: ETSI EN 300220, EN 50130-4, EN 55022, EN 60950-1

Wireless fire and temperature detector

JA-150ST

The JA-150ST optical wireless smoke and temperature detector detects fire inside residential or commercial premises. It allows these settings: smoke and heat, smoke or heat, smoke only, heat only. It has an alarm memory function where the LED still lights after the alarm state is over. It is battery powered by alkaline batteries. It occupies one position in the alarm system.

- Power: 3× alkaline batteries AA 1.5 V
- Typical lifetime: 3 years
- Communication protocol: 868.1 MHz
- Communication range: approx. 300 m (in an open area)
- Fire detection: optical and heat
- Fire detection sensitivity: m = 0.11÷0.13 dB/m by EN 54-7
- Temperature detection: class A2 EN-54-5
- Alarm temperature: 60 to 70 °C
- Dimensions: diameter 126 mm, height 50 mm
- Operating temperature range: –10 °C to 80 °C

Wireless combined smoke and temperature detector

JA-151ST

The JA-151ST is unique wireless fire detector certified according to EN 14604, EN 54-5, EN 54-7 and EN 54-25 standards. It contains two separate detectors – an optical smoke detector and a temperature detector detecting fire or increased temperature in residential and commercial buildings. The detector allows you to set various detection options: smoke and elevated temperature, smoke or elevated temperature, only smoke or only elevated temperature. The detector indicates a dangerous situation optically with an integrated lamp and with an acoustic signal. It occupies one position in the security system.

- Power supply: 3× alkaline batteries AA 1.5 V
- Typical service life of the batteries: approx. 3 years
- Smoke detection: optical diffusion of light
- Smoke detector sensitivity: m = 0.11÷0.13 dB/m in accordance with EN 14604, EN 54-7
- Temperature detection: class A1 in accordance with EN 54-5
- Alarm temperature: 60 °C to 65 °C
- Operating frequency: 868.1 MHz
- Communication range: approx. 300 mm (in an open area)
- Dimensions: diameter 126 mm, height 50 mm
- Operating temperature: –10 °C to 70 °C
- Complies with standards: EN 54-2

Wireless temperature sensor

JA-151TH

The JA-151TH is a wireless temperature sensor for measuring the current temperature. The measured data is forwarded via the control panel to the MyJABLOTRON Web Self Service (WSS). The WSS can then send reports by e-mail or SMS when the measured value goes above or below the user-defined temperatures. It occupies one position in the alarm system.

- Power: 1× CR2032 lithium battery (3 V, 220 mAh)
- Typical battery life: 2 years at 20 °C
- Dimensions: 55 × 26 × 16 mm
- Temperature measurement accuracy: ± 0.5 °C
- Temperature measurement resolution: 0.125 °C
- Operating temperature range: –20 °C to 60 °C
- Operating frequency: 868.1 MHz
- Communication range: about 200 meters (open area)
- Environment according to EN 50131-1: II., general indoor
- Complies with standards: EN 50130-4, EN 55022

Wireless gas-leak detector

JA-180G

The JA-180G gas-leak detector serves to indicate the leaking of explosive gases (Natural gas, Methane, Propane, Butane). When activated the detector sets off the fire alarm and sounds 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. It occupies one position in the alarm system.

- Power: 230 V, 50 Hz, 2 W
- Communication protocol: 868.1 MHz
- Radio coverage: approx. 200 m (open area)
- Gas detection: hot platinum filament
- Coverage area: 50 m^3
- 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: 73 × 100 × 39 mm
- Complies with standards: EN 61779-1-4, ETSI EN 300 220, EN 60950, EN 50130-4, EN 55022

Stand-alone CO gas detector, stand-alone CO gas detector with a display

EI208W

EI208DW

Used for the detection of CO gas (carbon monoxide) giving a timely warning of harmful effects to human health. The detector is certified for installation in the interiors of buildings, caravans and boats. The detectors indicate dangerous concentrations of carbon monoxide (CO) acoustically and optically with a signal lamp and in the case of the EI208DW type by displaying the concentration on screen as well.
The detector is powered by an integrated lithium battery that powers it throughout its service life.

- Service life of the detector: 7 years (expiration is indicated on the label)
- Power supply: integrated non-replaceable lithium battery
- Typical battery life: throughout the detector's service life
- Operating temperature range: –10 to 40 °C
- Humidity: 15 to 95 % (without condensation)
- Dimensions: 120 × 105 × 40 mm
- Weight: 170 g
- Complies with standards: EN 50291-1, EN 50291-2, EN 50270

Wireless module for the impulse output of an electric meter

JA-150EM-DIN

The module for DIN-rail installation is designed to display electric meter readings, which is available for customers via the MyJablotron Web Self-Service. The module contains a radio transmitter designed for the wireless transfer of information from the electric meter via the control panel to the MyJablotron portal. The impulse converter is directly supplied from the mains and it contains galvanically separated circuits for 4 kV. The converter is designed for connection to a standard impulse output of an SO electric meter. It can distinguish two rates (it can be connected to the rate control line of the load management system). It also has an independent input that can be used e.g. to monitor opening of the switchboard cover.

- Power supply: 230 V/50 Hz, device of protection class II.
- Internal power consumption: approx. 0.1 W
- Operating frequency: 868.1 MHz
- Communication range: approx. 300 m (line of sight)
- **IN** input: low-voltage, galvanically separated from the mains
  operating voltage 5 V
  max. external voltage surge 30 V DC
  max. connection conductor length 3 m
- **PU** input: low-voltage, galvanically separated from the mains
  operating voltage 5 V
  max. external voltage surge 30 V DC
  max. connection conductor length 3 m
  it is compatible with the impulse output of SO electric meters
  of class B in accordance with EN 62053-31
- **TA** input: input for the connection of load management control conductor, max. 230 V AC
- Dimensions: 68 × 96 × 18 mm, 1 DIN module
- Working environment: outdoor, protected, –20 °C to 60 °C
- Ingress protection class: front panel IP 40 to EN 60529
- Complies with standards: ETSI EN 300 220-1, EN 50130-4, EN 55022 and EN 60950-1

Wireless sirens

Two way wireless internal siren

JA-150A

The JA-150A wireless internal siren is designed to sound alarms, exit and entrance delays or to indicate other activations in the alarm system. The siren is equipped with a button with programmable reactions. It occupies one position in the alarm system.

- Power: 230 V, 50 Hz
- Communication protocol: 2 way Jablotron wireless protocol 868.1 MHz
- Backup-battery: 3.6 V NiCD up to 170 mAh for 24 hours
- Maximum recharge time: 72 hours, 10 mA
- Maximum standby consumption: 0.3 W at 230 V AC
- Communication range: approx. 300 m (in an open area)
- Security level: grade 2 according to EN 50131-1, EN 50131-4, EN 50131-5-3
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C
- Dimensions: 90 × 90 × 34 mm

Indoor wireless siren for electrical sockets

JA-162A

The JA-162A siren is designed to indicate alarms inside a building It can also be used for other acoustic indications such as the activation of PG outputs, entry/exit delays or as a door bell. By pressing of the siren button an alarm can be silenced or an emergency alarm can be released (optional function). The siren is equipped with a backup battery in case of a power supply failure. The siren is equipped with a tamper sensor for the detection of unplugging. The siren is addressable and it occupies one position in the system.

- Power supply: 230 V/50 Hz, 1 W, protection class II.
- Battery/service life: 3.6 V; 170 mAh/3 years
- Operating frequency: 868.1 MHz
- Communication range: approx. 100 m (line of sight)
- Sounds (melodies): 8 selectable for PG indication
- Alarm siren sound: 90 dB/1 m
- Dimensions: 90 × 64 × 80 mm
- Ingress protection class: IP 40 in accordance with EN 60529
- Environment class according to EN 50131-1: II., general indoor
- Operational temperature range: –10 °C to 40 °C
- Security level: grade 2 according to EN 50131-1, EN 50131-4, EN 50131-5-3
- Complies with standards: ETSI EN 300 220-1, EN 50130-4, EN 55022, EN 60950-1

Wireless outdoor siren

JA-151A

The JA-111A bus siren is designed for the acoustic indication of alarms and the activation and deactivation of PG outputs in a security system. The siren communicates via the bus of the control panel and is powered by it. It has an implemented energy saving function in the case of a power supply failure as well as an integrated spirit level for accurate and precise setup. It occupies one position in the alarm system. Alternative covers are available for the siren in a stainless-steel or plastic design in white or grey. Covers are offered in designs with a red or blue signal. It is addressable and it occupies one position in the alarm system.

- Voltage: 12 V DC adapter
- Operating frequency: bidirectional Jablotron 868.1 MHz protocol
- Backup battery: 4.8 V NiCaD up to 1800 mAh, for 24 hours
- Battery recharging time: max. 72 hours
- Maximum standby consumption: 50 mA from a DC adapter
- Communication range: approx. 300 m (in an open area)
- Security level: grade 2 according to EN 50131-1, EN 50131-4, EN 50131-5-3
- Environment according to EN 50131-1: IV., outdoor, IP 34D
- Operating temperature: –52 to 60 °C
- Dimensions: 300 × 200 × 70 mm

Wireless outdoor siren

JA-180A

The JA-180A completely wireless outdoor siren with a flash light is designed for the acoustic and optical indication of alarms in a security system. It is also used as an outdoor tamper detector. The siren is supplied by a lithium battery with a service life of 3 to 5 years.

CAUTION!
Batteries are not included in the delivery. They can be ordered separately using the BAT-80A code.

- Power supply: Jablotron BAT-80 lithium battery 6 V, 11 Ah
- Typical service life: of the battery 3 years (50 s connection, flashing off)
- Operating frequency: 868.1 MHz
- Communication range: up to 300 meters (open space)
- Security level: grade 2 according to EN 50131-1, EN 50131-4, EN 50131-5-3
- Environment according to EN 50131-1: IV., outdoor, ingress protection class IP 34D
- Operating temperature: –25 °C to 60 °C
- Dimensions: 200 × 158 × 75 mm

Two-way four-button remote control

JA-154J

The JA-154J is a bi-directional remote control of the JABLOTRON 100 system. Features remote control of the alarm system, panic alarm triggering and appliance control.
The device acts as two segments of a JABLOTRON 100 series keyboard. It is equipped with optical and acoustic signalling of the controlled segments' status. Thus the execution of the sent command is visually and audibly confirmed by the remote control according to the information sent by the control panel. Checks and indicates the status of its battery. It occupies one position in the alarm system.

- Power: lithium battery type CR 2032 3.0 V
- Typical battery life: 2 years (10 activations/day)
- Operating frequency: 868.1 MHz
- Communication range: about 30 meters (line of sight)
- Environment according to EN 50131-1: II., general indoor
- Operating temperature range: –10 °C to 40 °C
- Dimensions: 36 × 72 × 15 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-3
- Complies with standards: ETSI EN 300220, EN 50130-4, EN 55022, EN 60950-1

Key fob remote control

JA-186JK

The JA-186JK (JA-186JW) is designed to remotely control setting/unsetting, trigger panic alarms and control other appliances. 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 setting 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. It occupies one position in the alarm system.

JA-186JW

- Power: alkaline battery type L1016 (6 V)
- Typical lifetime: approx 2 years
- Communicating protocol: 868.1 MHz
- Radio coverage: approx. 30 m (open area)
- Dimensions: 52 × 18 × 12 mm
- Complies with standards: ETSI EN 300 220, EN 55022, EN 50134-2, EN 50130-4, EN 60950-1
- Security level: grade 2 according to EN 50131-1, EN 50131-3

Wireless control

JA-182J

The JA-182J remote control serves for the remote setting/unsetting of the system, the activation of panic alarms and the control of other devices. The key fob is equipped with a practical inbuilt function of a "child lock" preventing the unauthorised activation of a command. If the function is on, to activate the device it is necessary to press the button twice within 1 second. A double push activates a panic alarm. It occupies one position in the alarm system.

- Power: lithium battery CR2032 (3 V, 220 mAh)
- Typical lifetime: approx 2 years
- Operating frequency: 868.1 MHz
- Communication range: about 30 m (open area)
- Dimensions: 62 × 28 × 13 mm
- Complies with standards: ETSI EN 300220, EN 55022, EN 50131-3, EN 50130-4, EN 60950-1
- Security level: grade 2 according to EN 50131-1, EN 50131-3

Wireless panic button

JA-188J

The JA-188J is mainly used as a wireless panic or emergency button. 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. It occupies one position in the alarm system.

- Power: alkaline battery type L1016 (6 V)
- Typical lifetime: approx 3 years
- Communicating protocol: 868.1 MHz
- Radio coverage: approx. 300 m (open area)
- Dimensions: 80 × 80 × 29 mm
- Security level: grade 2 according to EN 50131-1, EN 50131-5-3

Wireless door bell button

JA-189J

The JA-189J works mainly as a doorbell button. The JA-189J can also be enrolled to the control panel as a hidden panic button or to operate PG outputs. It occupies one position in the alarm system.

- Power: alkaline battery type L1016 (6 V)
- Typical lifetime: approx 2 years
- Communicating protocol: 868.1 MHz
- Radio coverage: approx. 50 m (open area)
- Environment external, protected
- Enclosure protection IP 41
- Dimensions: 28 × 80 × 15 mm
- Complies with standards: ETSI EN 300 220, EN 55022, EN 50130-4, EN 50134-2, EN 60950
- Operating temperature range: –25 °C to 50 °C

Wireless wrist button

JA-187J

The JA-187J panic button can remotely activate an 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. It occupies one position in the alarm system.

- Power: lithium battery type CR 2032 (3 V)
- Typical lifetime: approx 3 years
- Communicating protocol: 868.1 MHz
- Radio coverage: approx. 50 m (open area)
- Environment: saved outside
- Enclosure protection: IP 44
- Operating temperature range: –25 °C to 50 °C

Remote control for car

JA-185J

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 a home security system. It occupies one position in the alarm system.

- Power: 12 - 24 V DC ± 30 %
- Communicating protocol: 868.1 MHz
- Radio coverage: 50 m (open area)
- Consumption: 0/20 mA (only during activation)
- Dimensions: 84 × 53 × 25 mm

RFID access card for JABLOTRON 100

JA-190J

RFID access card for the JABLOTRON 100 system.

- 125 kHz
- Jablotron unique code

RFID entry key tag for JABLOTRON 100

JA-191J

RFID entry key tag for the JABLOTRON 100 system.

- 125 kHz
- Jablotron unique code

RFID card and key tag reader for PC (connected by USB)

JA-190T

RFID card and tag readers designed to easily enroll the JA-190J and JA-191J to the JA-100 system by using F-Link SW.

- USB RFID reader for JA-190J and JA-191J

Output modules

Wireless power output module PG

JA-150N

The JA-150N is a wireless PG power output module (16 A/230 V AC). It copies the state of a selected PG output in the JABLOTRON 100 system (PG1 to PG 32). A particular PG output is addressed on the PCB board by using 5 DIP switches. This module does not occupy any postion in the system.

- Power: 230 V/50 Hz; 1,5 W
- PG output: output terminals (C, NO, NC)
- Output relay load: max. 16 A/250 V
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

Wireless signal output module PG

JA-151N

The JA-151N is wireless PG power output module (1 A/24 V DC). It copies the state of a selected PG output in the JABLOTRON 100 system (PG 1 to PG 32). A particular PG output is addressed on the PCB board by using 5 DIP switches. This module does not occupy any postion in the JABLOTRON 100 system.

- Power: 12 V DC
- Output relay load: max. 2 A/60 V (min. 10 mA)
- PG output: terminals C, NC, NO
- Environment according to EN 50131-1: II., internal
- Operating temperature range: –10 °C to 40 °C

SOFTWARE

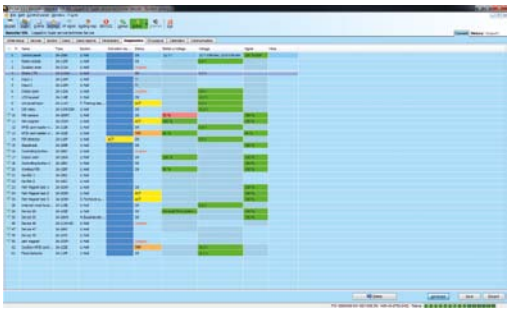
F-Link

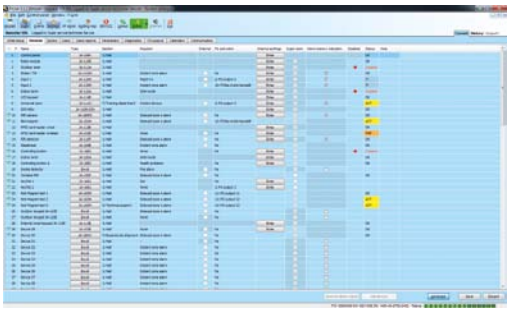
F-Link SW is designed for the professional programing of the JABLOTRON 100 system.
It offers step-by-step installation and programing procedures.

It allows you to follow all the needed steps for **PROGRAMMING** the JABLOTRON 100 system properly as follows:

– setting of sections
– zone and code management
– programming of PG outputs
– ARC management
– zone mapping to sections
– internal setting of devices
– calendar programming
– report settings

F-Link SW also allows **FW UPGRADES** for BUS and two-way wireless devices. For installers there are the **DIAGNOSTIC** tools. Diagnostics offers a quick overview of the installation. This helps the installer to better analyze current situations occurring in the alarm system (e.g. the voltage of BUS devices, the current battery capacity of wireless devices, radio signal levels and more)
By using F-Link SW the installer is able to **VIEW the HISTORY** of all events recorded on the SD card. This function is also supported by advanced filtering to easily find any needed event in the history.
It is connected to the control panel by a standard USB-B cable or remotely via the Internet.



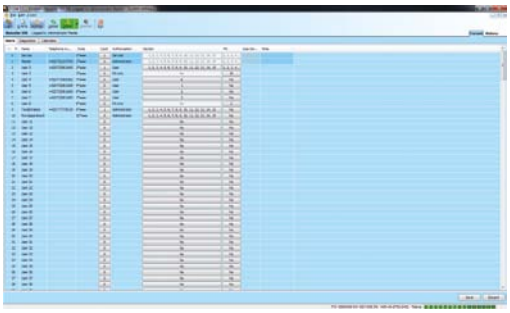


J-Link

J-Link SW is designed for the end user of the JABLOTRON 100 system.

It allows management of the system for the user using the options:
– View history
– Management of user codes and RFID tags
– Calendar event programing
– System diagnostics

It is connected to the control panel by a standard USB-B cable or remotely via the Internet.



MyJABLOTRON

MyJABLOTRON is a unique application that provides online remote access to Jablotron systems. It allows end users to check and control their alarm systems remotely from anywhere in a convenient user-friendly environment. It offers installers a very easy and fast way of supervising and changing system settings remotely. The same remote control options are also offered by the application for smartphones with iOS, Android and Windows.

MyJABLOTRON allows its users to:
– check the current status of the system
– set / unset the alarm or some of its sections
– control appliances and technologies in the house remotely
– view the history of all system events, incl. photos from PIR camera detectors
– display current temperature and history graphs. Additionally, monitoring of the critical low and high temperature limits can be set with an SMS or e-mail notification if the limits are exceeded
– report selected events to defined contacts by SMS or e-mail
– monitor consumption from impulse meters (e.g. electricity meters), incl. the differentiation of a high and low tariff and plotting the history in a graph
– and many other useful features

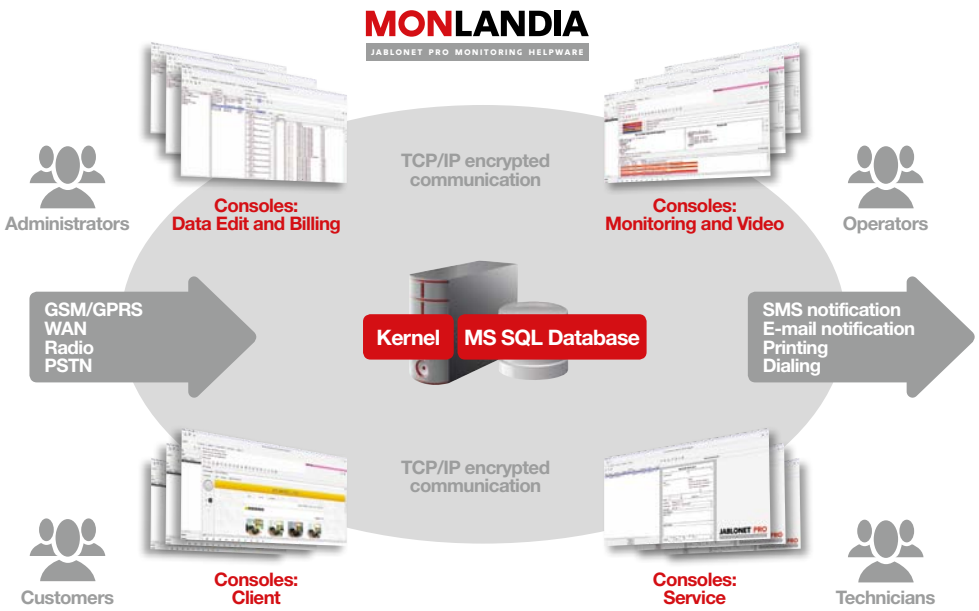
MONLANDIA

MONLANDIA is a new concept of monitoring for Alarm Receiving and Monitoring Centres. This platform allows monitoring of multi-brand transmission systems.

24/7 profesional technical and business support is included.

Jablotron ecosystem – license fees for Jablotron's control panels are paid by JABLOTRON ALARMS company.

Features:
– openess (free of charge drivers, open in/out protocols, ready for integration)
– robustness (tens of thousands of accounts tested in practice)
– security (encrypted communication, user's activity control, back-up management)



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