JABLOTRON 100⁺

Alarm with intuitive control

JABLOTRON
CREATING ALARMS

Creating smart things easy to use

ABOUT JABLOTRON ALARMS

JABLOTRON ALARMS is a leading European player in the field of alarm systems. We have been developing and producing alarm systems with an emphasis on the user comfort of our products for over 30 years. We provide state-of-the-art solutions for the protection of property, health and safety of our customers.

COMPLETE SOLUTIONS FOR SECURITY AND COMFORT

What **installation partners** get

JABLOTRON 100+
professional security system

- o bus / wireless / combined solutions
- o flexible sizes of installations (apartment / house / company)
- o wide selection of detectors
- o certification as per EN50131

PROFESSIONALISM

- o professional training
- o technical support
- o business support - promotion

MyCOMPANY

- o online overview of the technical status of installations
- o service notification about the system status
- o creation of business quotes
- o source of up-to-date information

JABLOTRON 100+
reliable security system

- o suitable for households and companies
- o gentle installation with easy expansion options
- o intuitive control
- o home automation
- o professional installation by certified partners
- o free after-guarantee service

MyJABLOTRON

- o remote alarm control
- o immediate notification of events
- o important information available at any time
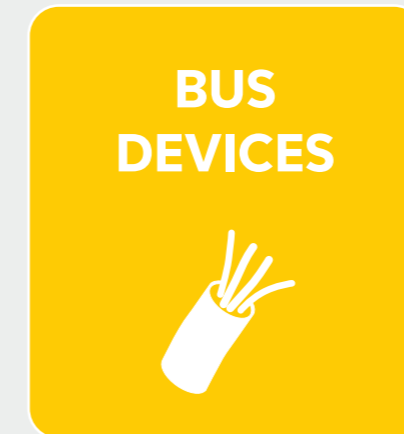- o device control - regulation of energy consumption

What **customers** get

CONTENTS

GENERAL PROPERTIES OF DEVICES

BUS DEVICES

Power supply	12 V
RFID frequency	125 kHz
Operating temperature of internal devices	-10 °C to +40 °C*

WIRELESS DEVICES

Operating frequency	868,1 MHz
Battery service life	approx. 2 years*
RFID frequency	125 kHz
Communication range	approx. 300 m (open area)*
Operating temperature of internal devices	-10 °C to +40 °C*

Operating temperature

Communication range

IP (Ingress protection class)

PET (Basic pet immunity)

Info / note

2 GRADE — SECURITY SYSTEM

EN 50131 — EUROPEAN STANDARD

CE certification — CE MARKING

*Unless otherwise specified

CONTROL PANELS

Control panels are essential elements of the JABLOTRON 100⁺ alarm system. They are used to control and collect information from individual detectors and to evaluate actions.

JA-103K

The JA-103K control panels offer possibilities for smart functions and home automation for small and medium-size buildings. JA-103K control panels are programmed by an updated F-Link that brings together with its firmware new functions like maintenance mode or day/night mode.

Product code	JA-103K	JA-103KR
Product name	Control panel with LAN communicator	Control panel with LAN and radio module
Dimensions	268 x 225 x 83 mm	268 x 225 x 83 mm
Number of sections	8	8
Number of users	50	50
Number of peripherals	50	50
Number of programmable outputs	32	32
Communicators	built-in LAN; GPRS / GSM can be purchased as the JA-192Y or JA-194Y module	built-in LAN; GPRS / GSM can be purchased as the JA-192Y or JA-194Y module
Backup battery	1x SA214-2.6 - battery is not included in the product package	1x SA214-2.6 - battery is not included in the product package

JA-100K

JA-100K control panels are ideal for securing small installations such as apartments, weekend suites, smaller companies, shops or restaurants.

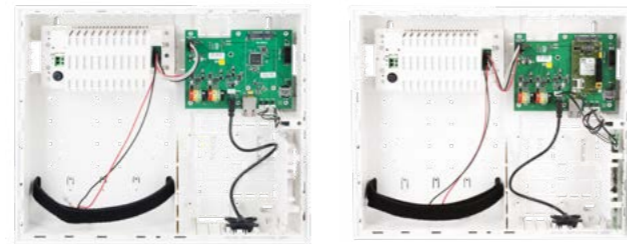| Product code	JA-100K	JA-100KR
Product name	Control panel with LAN communicator	Control panel with LAN and radio module
Dimensions	268 x 225 x 83 mm	268 x 225 x 83 mm
Number of sections	4	4
Number of users	32	32
Number of peripherals	32	32
Number of programmable outputs	4	4
Communicators	built-in LAN; GSM/GPRS can be purchased in the form of module JA-190Y, PSTN can be purchased in the form of module JA-190X	built-in LAN; GSM/GPRS can be purchased in the form of module JA-190Y, PSTN can be purchased in the form of module JA-190X
Back-up battery	1x SA214-2.6 - battery is not included in the product package	1x SA214-2.6 - battery is not included in the product package

JA-106K

The JA-106Ks are used for large installations mainly in commercial buildings, residential complexes and administrative buildings. They offer flexible settings and a wider range of automation. Their full potential can be utilized especially in a bus installation.
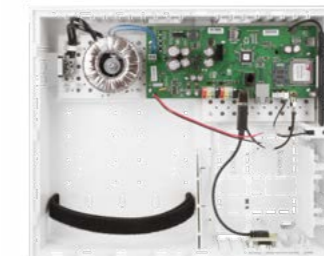
Product code	JA-106K
Product name	Control panel with LAN communicator
Dimensions	357 x 297 x 105 mm
Number of sections	15
Number of users	300
Number of peripherals	120
Number of programmable outputs	32
Communicators	built-in LAN,GSM/GPR; PSTN can be purchased as the JA-190X module
Backup battery	1x SA214-18 - battery is not included in the product package

JA-107K

The JA-107Ks are the highest series of control panels of the JABLOTRON 100⁺ system. They are ideal for large fully professional smart installations. The wide selection of programmable outputs, peripherals, number of users and flexibility of calendar actions opens the possibilities for installations in public buldings like schools, companies or shops.

Product code	JA-107K	JA-107KR
Product name	Control panel with LAN communicator	Control panel with LAN and radio module
Dimensions	357 x 297 x 105 mm	357 x 297 x 105 mm
Number of sections	15	15
Number of users	600	600
Number of peripherals	120 wireless /up to 230 BUS	120 wireless /up to 230 BUS
Number of programmable outputs	128	128
Number of bus terminal boards	2; third bus can be attached by JA-110Z-D	2; third bus can be attached by JA-110Z-D
Communicators	built-in LAN; GPRS / GSM can be purchased as the JA-192Y or JA-194Y module	built-in LAN; GPRS / GSM can be purchased as the JA-192Y or JA-194Y module
Backup battery	1x SA214-18 - battery is not included in the product package	1x SA214-18 - battery is not included in the product package

Cable code	VOD-JA-107K
Product name	12V DC Power cable for the JA-107K control panel
Length	30 cm
Fuse	6,3 A

REPLACEABLE COVERS
for control panels

Product code	PLV-CP-M IP40	PLV-CP-L IP40
Product name	Replacement cover for the JA-100K and JA-103K control panels	Replacement cover for the JA-106K and JA-107K control panels and cover for the JA-120Z bus booster
Dimensions	268 x 225 x 83 mm	358 x 297 x 105 mm
Note	Can also be used as an installation box.	Can also be used as an installation box.

SYSTEM DEVICES

- Radio modules
- Signal repeater
- Phone and GSM communicators
- Interface
- Bus booster

RADIO MODULES

Radio modules are used to connect wireless devices to the security system. This way, a bus is not required and the whole installation can be fully wireless. To ensure perfect coverage of the supervised premises up to 3 modules can be installed in the system.

– 10°C
+40°C

Product code	JA-111R	JA-111R 80
Product name	Module for wireless connection of JABLOTRON 100⁺ devices	Module for wireless connection of JABLOTRON 80 peripherals
Product type	bus	bus
Dimensions	43 x 160 x 23 mm	43 x 160 x 23 mm
Consumption at idle state	35 mA	35 mA
Note	Distributed without plastic cover PLV-JA111R.	-

Product code	PLV-JA111R IP40
Product name	Plastic cover for radio module
Dimensions	43 x 160 x 23 mm
Supported modules	JA-111R, JA-111R-80

SIGNAL REPEATER

The signal repeater is designed to extend the communication distance and to increase the transmission reliability in large installations.

	− 10°C
	+40°C
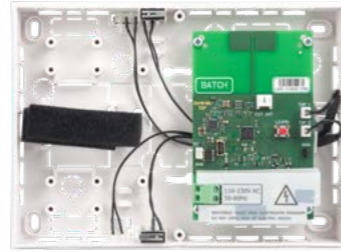
Product code	JA-150R
Product name	One-way signal repeater for wireless devices
Product type	wireless
Dimensions	134 x 182 x 45 mm
Power supply	110 - 230 V, 50 Hz - 60 Hz
Consumption at idle state	0,5 W at 230 V
Backup battery	1x BAT-4V8-N900 - not included in the package

PHONE AND GSM COMMUNICATORS

The module transmits alarm voice messages to the user. The following types are intended for JABLOTRON 100⁺ control panels as backup communication modules.

	− 10°C
	+40°C

Product code	JA-190X	JA-190Y
Product name	Phone communicator module	GSM communicator module
Consumption at peak	25 mA	750 mA
Consumption at idle state	10 mA	40 mA (depends on GSM signal strenght)
Operating band	-	QUAD-BAND, 850 / 900 / 1800 / 1900 MHz
Note	2 input and output terminals for a landline. For control panels of the JA-106K serie.	For control panels of the JA-100K serie.

Product code	JA-191Y	JA-192Y
Product name	LTE communicator module	GSM communicator module
Dimensions	82 x 38 x 32 mm	70 x 37 x 25 mm
Consumption at peak	670 mA	175 mA
Consumption at idle state	22 mA (depends on GSM signal strength)	5 mA (depends on GSM signal strength)
Operating band	2G (GSM, EDGE) 900/1800 MHz 3G 900/2100 MHz (B8, B1) 4G (LTE) 800/900/1800/2100/2600 MHz (B20, B8, B3, B1, B7)	QUAD-BAND, 800/900/1800/1900 MHz
Note	For control panels of the JA-106K serie.	For control panels of the JA-103K and JA-107K series.

Product code	JA-194Y
Product name	LTE communicator module
Dimensions	70 x 37 x 25 mm
Consumption at peak	720 mA
Consumption at idle state	5 mA (depends on GSM strength)
Operating band	2G (GSM, EDGE) 900/1800 MHz 3G 900/2100 MHz (B8, B1) 4G (LTE) 800/900/1800/2100/2600 MHz (B20, B8, B3, B1, B7)
Note	For control panels of the JA-103K and JA-107K series.

INTERFACE

Module allowing
2-way transmission of
JABLOTRON 100⁺ bus
signals to an RS-485 serial
line for other systems.

Product code	JA-121T
Product name	RS-485 interface
Product type	bus
Dimensions	52 x 38 x 14 mm
Consumption at idle state	10 mA
RS-485 output part	5 V
Galvanic bus separation/ RS-485	4 kV

− 10°C
+40°C

BUS BOOSTER

Designed for bus current
boosting, extension of the
line length and galvanic
isolation of the bus.

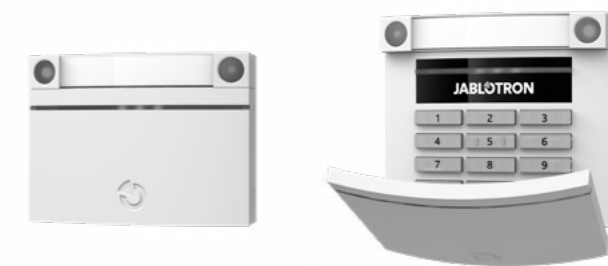| Product code	JA-120Z
Product name	Backed-up bus booster
Product type	bus
Mains supply (83PWR power supply)	110 - 230 V / 50 - 60 Hz
Power input	50 VA max
Current consumption (maximum) for cable selection	10 mA
Maximum rating	2 A
Back-up battery	1x SA214-18 - battery is not included in the product package
Dimensions of the electronic unit	102 x 66 x 14 mm
Dimensions of the power supply unit	170 x 80 x 65 mm
Dimensions of the plastic housing	357 x 297 x 105 mm (PLV-CP-L) - not included in the product package

− 10°C
+40°C

CONTROL DEVICES

o Access modules – internal / external
o Emergency devices
o Remote controls
o Authorization devices

ACCESS MODULES
internal

The keypad is the
main access device for
controlling the security
system. Depending on the
type, they are equipped
with an LCD screen, control
buttons and RFID reader.

Product code	JA-112E	JA-113E
Product name	Access module with RFID reader	Access module with a keypad and RFID reader
Product type	bus	bus
Dimensions	102 x 76 x 33 mm	102 x 96 x 33 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus
Backup (idle) mode current consumption	10 mA	10 mA
Current consumption for cable selection	15 mA	20 mA

− 10°C
+40°C

200 m

Product code	JA-114E	JA-152E
Product name	Access module with a screen, a keypad and RFID reader	Access module with RFID reader
Product type	bus	wireless
Dimensions	102 x 128 x 33 mm	102 x 76 x 33 mm
Power supply	12 V from the control panel bus	2x BAT-1V5-AA - not included in the product package
Backup (idle) mode current consumption	15 mA	-
Current consumption for cable selection	50 mA	-

Product code	JA-192E
Product name	Control segment of access modules
Product type	-
Dimensions	102 x 15 x 33 mm
Power supply	from the keypad module
Average power consumption of a control segment	10mA

Product code	JA-153E	JA-154E
Product name	Access module with a keypad and RFID reader	Access module with a screen, a keypad and RFID reader
Product type	wireless	wireless
Dimensions	102 x 96 x 33 mm	102 x 151 x 33 mm
Power supply	2x BAT-1V5-AA - not included in the product package	4x BAT-1V5-AA - not included in the product package

Product code	JA-110E	JA-150E
Product name	Access module with a screen, a keypad and RFID reader	Access module with a screen, a keypad and RFID reader
Product type	bus	wireless
Dimensions	120 x 130 x 30 mm	120 x 130 x 30 mm
Power supply	12 V from the control panel	2x BAT-3V0-CR123A - not included in the product package
Backup (idle) mode current consumption	30 mA	-
Current consumption for cable selection	110 mA	-

ACCESS MODULES external

External keypad, resistant to weather conditions.

Product code	JA-122E	JA-123E
Product name	Access module with RFID reader	Access module with a keypad and RFID reader
Product type	bus	bus
Dimensions	46 x 152 x 23 mm	46 x 152 x 23 mm
Backup (idle) mode current consumption:	15 mA	15 mA
Current consumption for cable selection	15 mA	15 mA

−25°C +60°C   IP65

EMERGENCY DEVICES

Buttons are used to trigger emergency alarms, as a remote control for arming the security system or the remote control of other devices (controlling PG outputs).

Product code	JA-112J	JA-158J
Product name	Wall button	Wall button
Product type	bus	wireless
Dimensions	80 x 80 x 29 mm	80 x 80 x 20 mm
Power supply	12 V from the control panel bus	2x BAT-3V0-CR2032
Consumption at idle state	5 mA	-
Battery service life	-	approx. 2 years

− 10°C +40°C   300 m

Product code	JA-188J	JA-159J IP65
Product name	Wall button	Doorbell button
Product type	wireless	wireless
Dimensions	80 x 80 x 29 mm	77 x 47 x 28 mm
Power supply	1x BAT-3V6-1/2AA-LS	2x BAT-3V0-CR2032
Operating temperature	-10 °C to +40 °C	-25 °C to +60 °C
Battery service life	approx. 3 years	approx. 5 years

Product code	JA-157J IP65	JA-187J IP44
Product name	Wrist and necklace panic button	Portable activation button
Product type	wireless	wireless
Dimensions	41 x 41 x 13 mm	42 x 46 x 15 mm
Power supply	1x BAT-3V0-CR2032	1x BAT-3V0-CR2032
Operating temperature	-10 °C to +40 °C	-25 °C to +50 °C
Battery service life	approx. 3 years	approx. 3 years
Communication range	approx. 300 m (open area)	approx. 50 m (open area)

Product code	JA-156J
Product name	Multifunctional panic button
Product type	wireless
Dimensions	66 x 22 x 122 mm
Power supply	2x BAT-LR03 (AAA) 1,5 V / 1,2 Ah
Battery service life	approx. 3 years

Product code	JA-155J 300 m	JA-182J 30 m
Product name	Transmitter for a car	Remote control
Product type	wireless	wireless
Dimensions	84 x 53 x 25 mm	60 x 30 x 13 mm
Power supply	12 - 24 V	1x BAT-3V0-2032
Operating temperature	-40 °C to +85 °C	-10 °C to +40 °C
Battery service life	-	approx. 2 years
Note	Can be enrolled to AC-160-C and AC-160-DIN.	-

| CONTROL DEVICES |

REMOTE CONTROLS

Allows the remote control of the security system, various electrical devices and triggering emergency alarms. Depending on the type, the remote controls communicate either unidirectionally or bidirectionally, i.e., they confirm the action by an optical and acoustic response.

Product code	JA-152J MS II 100 m	JA-154J MS II 300 m
Product name	Two-way two-button remote control	Two-way four-button remote control
Product type	wireless	wireless
Dimensions	63 x 36 x 15 mm	77 x 36 x 15 mm
Power supply	1x BAT-3V0-2032	1x BAT-3V0-2032
Battery service life	approx. 2 years	approx. 2 years
Note	Can be enrolled to AC-160-C and AC-160-DIN.	Can be enrolled to AC-160-C and AC-160-DIN.

- 10°C
+40°C

REPLACEABLE COVERS
for remote controls

Product code	PLV-JA152JMSII	PLV-JA154JMSII
Product name	Replacement cover for JA-152J MS II	Replacement cover for JA-154J MS II
Dimensions	63 x 36 x 15 mm	77 x 36 x 15 mm

AUTHORIZATION DEVICES

Authorization devices of the JABLOTRON 100+ system are used to verify the user or confirm authorization after entering a code.

Product code	JA-190J	JA-192J
Product name	RFID access card	RFID entry key tag

Product code	JA-194J-RE	JA-194J-BK
Product name	RFID leather key tag	RFID leather key tag

Product code	JA-195J	PC-02B
Product name	RFID entry key tag	RFID entry key tag

DETECTORS

- Motion
- Verification
- Building perimeter
- Exterior
- Environmental

MOTION DETECTORS
internal

Motion detectors are key devices of the security system. They provide high reliability that fundamentally affects the whole security system. Internal detectors are intended to recognize movement of people in the interior.

PET immunity up to approx. 25 kg and a maximum height of 40 cm.

− 10°C
+40°C

300 m

Product code	JA-110P	JA-110P PET
Product name	PIR motion detector	PIR motion detector with basic pet immunity
Product type	bus	bus
Dimensions	60 x 95 x 55 mm	60 x 95 x 55 mm
Backup (idle) mode current consumption	5 mA	5 mA
Current consumption for cable selection	5 mA	5 mA
Mounting height	2,5 m above the floor level	2 m above the floor level
Detection angle	110° / 12 m (with standard lens)	90° / 12 m 90° / 7 m (PET immunity)

Product code	JA-112P / JA-112P (G)	JA-152P / JA-152P (G)
Product name	PIR motion detector with a white / grey lens	PIR motion detector with white / grey lens
Product type	bus	wireless
Dimensions	62 x 110 x 40 mm	62 x 110 x 40 mm
Power supply	12 V from the control panel bus	1x BAT-3V0-CR123A - not included in the product package
Backup (idle) mode current consumption	3 mA	-
Current consumption for cable selection	11 mA	-
Mounting height	2,2 - 2,5 m above the floor level	2,2 - 2,5 m above the floor level
Detection angle	90° / 12 m	90° / 12 m

Detectors with a grey lens have an increased resistance towards white light (up to 10.000 lux).

Product code	JA-150P	JA-150P PET
Product name	PIR motion detector	PIR motion detector with basic pet immunity
Product type	wireless	wireless
Dimensions	60 x 95 x 55 mm	60 x 95 x 55 mm
Power supply	2x BAT-1V5-AA - not included in the product package	2x BAT-1V5-AA - not included in the product package
Mounting height	2,5 m above the floor level	2 m above the floor level
Detection angle	110° / 12 m (with standard lens)	90° / 12 m 90° / 7 m (PET immunity)

PET immunity up to approx. 25 kg and a maximum height of 40 cm.

Product code	JA-115P	JA-155P
Product name	Ceiling PIR motion detector	Ceiling PIR motion detector
Product type	bus	wireless
Dimensions	ø 125 x 40 mm	ø 125 x 40 mm
Power supply	12 V from the control panel bus	up to 2x BAT-3V0-CR123A - not included in the product package
Backup (idle) mode current consumption	2,8 mA	-
Current consumption for cable selection	30 mA	-
Mounting height	2,5 - 3,5 m above the floor level	2,5 - 3,5 m above the floor level
Detection angle	360° / ø 11 m (in height of 3,5 m)	360° / ø 11 m (in height of 3,5 m)
Note	Accessories - universal ceiling circular spacer PLV-P-ST.	Accessories - universal ceiling circular spacer PLV-P-ST.

Product code	JA-185P 100 m	JA-186P
Product name	PIR motion detector	Two-zone PIR motion detector
Product type	wireless	wireless
Dimensions	46 x 88 x 27 mm	60 x 180 x 55 mm
Power supply	1x BAT-3V6-AA-LS - not included in the product package	1x BAT-3V6-AA-LS - not included in the package
Mounting height	up to 4 m	1,2 m above the floor level
Detection angle	360° / 5 m	120° / 12 m (with standard lens)
Note	Can be connected to a CA-2103 car alarm.	-

Product code	JA-191PL	JA-196PL-S
Product name	Articulated holder for PIR detectors	Wall holder for PIR detectors
Note	For PIR detectors of the JA-1x1P and JA-1x2P types.	For PIR detectors of the JA-1x2P type.

MOTION DETECTORS
external

External detectors capture intrusion of the outside area by a person. Thanks to two-zone detection, they are highly resistant to false alarms.

Product code	JA-157P	JA-158P
Product name	Two-zone PIR motion detector - screen	PIR motion detector
Product type	wireless	wireless
Dimensions	52 x 176 x 66 mm	99 x 205 x 266 mm
Power supply	1x BAT-3V0-CR123A - not included in the package	2x BAT-3V0-CR123A - not included in the package
Battery service life	approx. 3 years	approx. 3 years
Mounting height	0,8 - 1,2 m	2,5 - 3,0 m
Detection angle	5° / 2 or 5 m	85° / 12 m

Product code	JA-159P
Product name	PIR motion detector
Product type	wireless
Dimensions	71 x 186 x 105 mm
Power supply	2x BAT-3V0-CR123A - not included in the package
Battery service life	approx. 3 years
Mounting height	0,8 - 1,2 m
Detection angle	90° / 12 m

−20°C +60°C 300 m

| DETECTORS |

MOTION DETECTORS
combined and dual

Motion detectors in the combined or dual variant reliably identify and verify alarms using glass break detection or microwave detection.

Product code	JA-120PW ✋	JA-180W 📶
Product name	PIR and MW motion detector	PIR and MW motion detector
Product type	bus	wireless
Dimensions	60 x 110 x 55 mm	60 x 110 x 51 mm
Power supply	12 V from the control panel bus	1x BAT-3V6-AA-LS - not included in the package
Backup (idle) mode current consumption:	5 mA	-
Current consumption for cable selection	25 mA	-
Mounting height	2,5 m above the floor level	2,5 m above the floor level
PIR detection angle	110° / 12 m (with standard lens)	110° / 12 m (with standard lens)
MW detection angle - open space	24° / 12 m	24° / 12 m
MW detection angle - room 8x7 m	90° / 15 m	90° / 15 m

Product code	JA-122PW / JA-122PW (G) ✋	JA-162PW / JA-162PW (G) 📶
Product name	PIR and MW motion detector	PIR and MW motion detector
Product type	bus	wireless
Dimensions	63 x 150 x 40 mm	63 x 150 x 40 mm
Power supply	12 V from the control panel bus	2x BAT-3V0-CR2032 - not included in the package
Backup (idle) mode current consumption:	5 mA	-
Current consumption for cable selection	16 mA	-
Mounting height	2,2 - 2,5 m above the floor level	2,2 - 2,5 m above the floor level
PIR detection angle	90° / 12 m	90° / 12 m
MW detection angle	80° / 12m	80° / 12m

ℹ️ Detectors with a grey lens have an increased resistance towards white light (up to 10.000 lux).

🌡️ − 10°C +40°C   📶 300 m

Product code	JA-120PB ✋	JA-180PB 📶
Product name	PIR motion and glass break detector	PIR motion and glass break detector
Product type	bus	wireless
Dimensions	60 x 95 x 55 mm	60 x 110 x 55 mm
Power supply	12 V from the control panel bus	PIR: 1x BAT-3V6-AA-LS - not included in the package GBS: 1x BAT-3V6-1/2AA-LS - not included in the package
Backup (idle) mode current consumption:	5 mA	-
Current consumption for cable selection	10 mA	-
Mounting height	2,5 m above the floor level	2,5 m above the floor level
PIR detection angle	110° / 12 m (with standard lens)	120° / 12 m (with standard lens)
Detection range of glass break	9 m (glass at least 60 x 60 cm)	9 m (glass at least 60 x 60 cm)
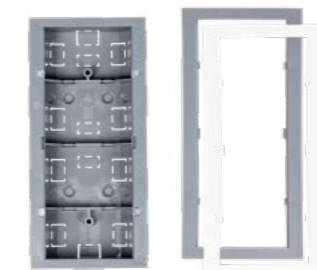
Product code	JA-196PL-L
Product name	Wall holder for PIR and MW detectors

BASIC LEVEL
JA-120PC | JA-160PC

Basic verification is based on taking a picture. The viewing angle of the camera is 43 degrees, ideal for securing narrow spaces, such as corridors.

The alarm photo is available to the supervision and alarm receiving center.

The end user can view the photograph in the Gallery section in MyJABLOTRON app.

ADVANCED LEVEL
JA-120PC (90) | JA-160PC (90)

This follows up on previous detectors, with the only difference being the camera viewing angle, which in this case is 90 degrees. This detector is suitable for all types of rooms with the exception of narrow spaces.

The alarm photo is available to the supervision and alarm receiving center.

The end user can view the photograph in the Gallery section in MyJABLOTRON app.

HIGHEST LEVEL
JI-111C | JI-112C

IP verification cameras react to the system status and are capable of taking one-minute video sequences based on the event (alarm, set, unset).

The sequences contain 30 seconds of the recording taken before the event and 30 seconds after the event.

The sequence can be provided to the supervision and alarm receiving center.

The end user can view the recorded video sequence in the Gallery section in MyJABLOTRON, as well as the live stream and three or seven day recordings. A defined part of recording can be downloaded.
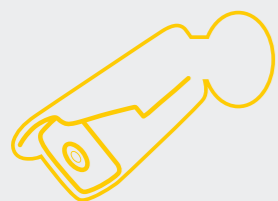
Motion detectors in a combined version visually verify alarms using a photograph.

🌡 − 10°C +40°C   📷 300 m

Product code	JA-120PC	JA-120PC (90)
Product name	PIR motion detector with a camera	PIR motion detector with a camera
Product type	bus	bus
Dimensions	60 x 110 x 55 mm	60 x 110 x 55 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus
Backup (idle) mode current consumption:	5 mA	5 mA
Current consumption for cable selection	110 mA	250 mA
Mounting height	2,5 m above the floor level	2,5 m above the floor level
Detection angle / range	55° / 12 m (standard lens)	90° / 12 m (standard lens)

Product code	JA-160PC	JA-160PC (90)
Product name	PIR motion detector with a camera	PIR motion detector with a camera
Product type	wireless	wireless
Dimensions	60 x 110 x 55 mm	60 x 110 x 55 mm
Power supply	2x BAT-1V5-AA - not included in the product package	2x BAT-1V5-AA - not included in the product package
Mounting height	2,5 m above the floor level	2,5 m above the floor level
Detection angle / range	55° / 12 m (standard lens)	90° / 12 m (standard lens)

| DETECTORS |

VIDEO-VERIFICATION IP CAMERAS

The next verification level consists of IP verification cameras that make alarm video sequences or video recordings. They are shown in the Gallery section in MyJABLOTRON, together with the live stream.

Product code	JI-111C	JI-112C
Product name	Video-verification IP camera - DOME 2Mpix	Video-verification IP camera - BULLET 2Mpix
Dimensions	ø 111 x 82 mm	300 x 90 x 90 mm
Power supply	12 V DC, or from PoE data connection (as per standard 802.3 af) 48 V	12 V DC, or from PoE data connection (as per standard 802.3 af) 48 V
IR auxiliary lighting range	max. 30 m	max. 50 m
PIR detection angle of the camera	115°	90°
Resolution	FullHD 1920*1080 pixels HD 1280*720 pixels	FullHD 1920*1080 pixels HD 1280*720 pixels

−30°C +60°C

VIDEO-VERIFICATION IP CAMERAS ACCESSORIES

PoE Switches provides power over the data network cable, without having to feed the power to the device with another separate cable. It significantly simplifies connection of video-verification IP cameras to the JABLOTRON 100+ system.

Product code	JI-114Z
Product name	PoE Switch - 4 ports
Dimensions	132 x 94 x 28 mm
Power supply	51 V DC, 1.25 A
Network protocol	IEE802.3, 802.3u, 802.3x, 802.3af, 802.3at
Switching capacity	1 Gbps
PoE power budget	58 W

0°C +40°C

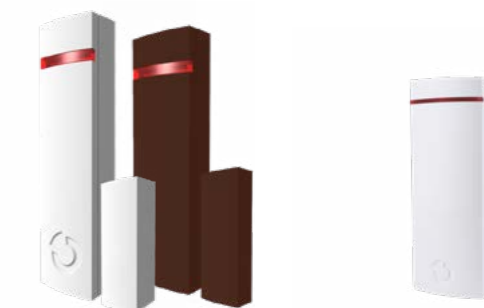## BUILDING PERIMETER DETECTORS
internal

Detectors are used to protect the outer walls of buildings, i.e. windows and doors. They are necessary for so-called night protection that uses only partial setting.

− 10°C +40°C   200 m

Product code	JA-111M / JA-111MB	JA-151M / JA-151MB
Product name	Magnetic detector - mini	Magnetic detector - mini
Product type	bus	wireless
Dimensions	27 x 55 x 16 mm	26 x 55 x 16 mm
Power supply	12 V from the control panel bus	1x BAT-3V0-CR2032 - not included in the package
Backup (idle) mode current consumption:	5 mA	-
Current consumption for cable selection	5 mA	-
Note	Version JA-111MB in brown plastic housing.	Version JA-151MB in brown plastic housing.

Product code	JA-150M / JA-150MB	JA-112M
Product name	Magnetic detector with two universal inputs	Module for magnetic detectors - 2 inputs
Product type	wireless	bus
Dimensions	24 x 109 x 22 mm	44 x 110 x 26 mm
Power supply	1x BAT-1V5-AA - not included in the product package	12 V from the control panel bus
Backup (idle) mode current consumption:	-	5 mA
Current consumption for cable selection	-	10 mA
Maximum length of the connection cable	3 m	100 m
Note	Version JA-150MB in brown plastic housing.	-

− 10°C +40°C   300 m

| DETECTORS |

Product code	JA-152M 📶 🌡 −20°C +60°C	JA-182M 📶 📡 200 m
Product name	Hidden magnetic detector	Hidden magnetic detector
Product type	wireless	wireless
Dimensions	24 x 191 x 7 mm	25 x 192 x 9 mm
Power supply	2x BAT-3V0-CR2032 - not included in the package	2x BAT-3V0-CR2354 - not included in the package

BUILDING PERIMETER DETECTORS
glass break

Detectors using the dual technology detection of air pressure changes associated with a characteristic sound can reliably identify the shattering of glass.
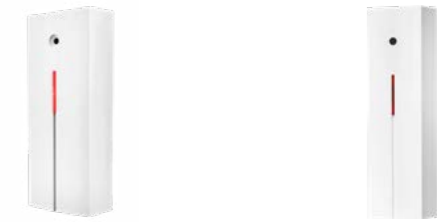
🌡 −10°C +40°C   📡 300 m

Product code	JA-110B ✋	JA-180B 📶
Product name	Acoustic glass break detector	Acoustic glass break detector
Product type	bus	wireless
Dimensions	40 x 100 x 22 m	28 x 107 x 24 mm
Power supply	12 V from the control panel bus	1x BAT-3V6-AA-LS - not included in the package
Backup (idle) mode current consumption:	5 mA	-
Current consumption for cable selection	5 mA	-
Recommended installation height	2,5 m above the floor level	2,5 m above the floor level
Detection distance	9 m (glass at least 60 x 60 cm)	9 m (glass at least 60 x 60 cm)

BUILDING PERIMETER DETECTORS
shock

Shock or tilt detectors are ideal for detecting vibrations of doors, windows, light partition walls etc. They detect if they are being overcome by brute force. Alternatively, they can detect manipulation of a valuable item.

🌡 −10°C +40°C   📡 300 m

Product code	JA-111SH ✋	JA-182SH 📶
Product name	Shake or tilt detector	Shake or tilt detector
Product type	bus	wireless
Dimensions	27 x 55 x 16 mm	31 x 75 x 26 mm
Power supply	12 V from the control panel bus	1x BAT-3V0-CR123A - not included in the package
Backup (idle) mode current consumption:	5 mA	-
Current consumption for cable selection	5 mA	-
Detected tilt	10° - 45°	10° - 45°

EXTERIOR DETECTORS

Exterior detectors will identify if an area is entered by a human (based on interference with optical beams). They are highly resistant to false alarms caused, e.g., by small animals.

🌡 −20°C +60°C   📡 300 m

Product code	JA-150IR 📶	JA-151IR 📶
Product name	Optical screen - two beams	Optical screen - four beams
Product type	wireless	wireless
Dimensions	88 x 217 x 162 mm	83 x 452 x 138 mm
Power supply	4x BAT-3V6-R20 - not included in the product package	4x (8x) BAT-3V6-R20 - not included in the product package
Battery service life	approx. 3 years	approx. 3 years
Distance	max. 60 m	max. 100 m

Thermometers are ideal for measuring both internal and external temperatures. Temperature graphs are displayed in the MyJABLOTRON app. When the temperature limits are reached, it is possible to automatically activate a PG output.

The thermostats expand the application range of the system into the domain of home automation with simple zone control. Programmable control panel outputs are used for heating control. Thermostats can be controlled and configured in MyJABLOTRON and MyCOMPANY.

Product code	JA-111TH	JA-151TH 200 m
Product name	Temperature detector	Temperature detector
Product type	bus	wireless
Dimensions	27 x 55 x 16 mm	27 x 55 x 16 mm
Power supply	12 V from the control panel bus	1x BAT-3V0-CR2032 - not included in the package
Battery service life	-	approx. 2 years
Backup (idle) mode current consumption:	5 mA	-
Current consumption for cable selection	5 mA	-
Range of measured temperatures of the internal sensor	-20 °C to +70 °C	-20 °C to +70 °C
Operating temperature	-20 °C to +70 °C	-20 °C to +70 °C

Product code	JB-EXT-TH-B	JB-EXT-TH-R 200 m
Product name	Outdoor thermometer	Outdoor thermometer
Product type	bus	wireless
Dimensions	90 x 110 x 35 mm	90 x 110 x 35 mm
Power supply	12 V from the control panel bus	1x (2x) BAT-3V0-CR123A - not included in the product package
Battery service life	-	internal use 5 (10) years / external use 2 (4) years
Backup (idle) mode current consumption:	1 mA	-
Current consumption for cable selection	25 mA	-
Range of measured temperatures of the internal sensor	-25 °C to +60 °C	-25 °C to +60 °C
Range of measured temperatures of the external sensor (JB-TS-PT1000)	-50 °C to +200 °C	-50 °C to +200 °C
Operating temperature	-40 °C to +70 °C	-40 °C to +70 °C

Product code	JA-110TP	JA-150TP 300 m
Product name	Indoor thermostat	Indoor thermostat
Product type	bus	wireless
Dimensions	66 x 90 x 22 mm	66 x 90 x 22 mm
Power supply	12 V from the control panel bus	2x BAT-1V5-AA - not included in the product package
Battery service life	-	approx. 2 years
Backup (idle) mode current consumption:	1,5 mA	-
Current consumption for cable selection	1,5 mA	-
Range of measured temperatures of the internal sensor	-10 °C to +70 °C	-10 °C to +70 °C
Operating temperature	-10 °C to +70 °C	-10 °C to +70 °C

Product code	JB-TS-PT1000 IP68
Product name	Temperature sensor for external thermometer
Measuring range	-50 °C to +200 °C
Housing diameter	4,6 mm
Housing length	24 mm
Length of the supply cable	3 m
Note	for external thermometers JB-EXT-TH-B	JB-EXT-TH-R

ENVIRONMENTAL DETECTORS
smoke and temperature

Necessary for protecting against fires in residential and commercial buildings. Support various detection settings - smoke and increased temperature, in various combinations. It is also possible to select a type which will report an alarm based on its own detector as well as on all other detectors in the system.

300 m

Product code	JA-110ST	JA-111ST-A
Product name	Combined smoke and heat detector	Combined smoke and heat detector with an internal siren
Product type	bus	bus
Dimensions	ø 126 x 50 mm	ø 126 x 50 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus 3x BAT-1V5-AA - not included in the product package
Backup (idle) mode current consumption:	5 mA	5 mA
Current consumption for cable selection	40 mA	150 mA
Smoke detector sensitivity	m = 0.11 ÷ 0.13 dB / m class A2 in accordance with EN 54-7	m = 0.11 ÷ 0.13 dB / m class A2 in accordance with EN 54-7
Temperature detection	class A2 in accordance with EN 54-5	class A1, A2 in accordance with EN 54-5
Operating temperature | Alarm temperature	-10 °C to + 80 °C | +60 °C to + 70 °C	-10 °C to + 70 °C | +60 °C to + 65 °C
Note	Accessory - PLV-P-ST universal circular ceiling spacer.	Contains a siren (EN 14604). Accessory - PLV-P-ST universal circular ceiling spacer.

Product code	JA-150ST	JA-151ST
Product name	Combined smoke and heat detector	Combined smoke and heat detector with an internal siren
Product type	wireless	wireless
Dimensions	ø 126 x 50 mm	ø 126 x 50 mm
Power supply	3x BAT-1V5-AA - not included in the product package	3x BAT-1V5-AA - not included in the product package
Smoke detector sensitivity	m = 0.11 ÷ 0.13 dB / m class A2 in accordance with EN 54-7	m = 0.11 ÷ 0.13 dB / m class A2 in accordance with EN 54-7
Temperature detection	class A2 in accordance with EN 54-5	class A1 in accordance with EN 54-5
Operating temperature | Alarm temperature	-10 °C to + 80 °C | +60 °C to + 70 °C	-10 °C to + 70 °C | +60 °C to + 65 °C
Note	Accessory - PLV-P-ST universal circular ceiling spacer.	Contains a siren (EN 14604). Accessory - PLV-P-ST universal circular ceiling spacer.
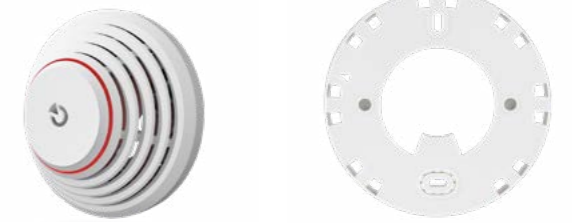
Product code	JA-151ST-A	PLV-P-ST
Product name	Combined smoke and heat detector with an internal siren	Universal ceiling circular spacer
Product type	wireless	-
Dimensions	ø 126 x 50 mm	-
Power supply	3x BAT-1V5-AA - not included in the product package	-
Smoke detector sensitivity	m = 0.11 ÷ 0.13 dB / m class A2 in accordance with EN 54-7	-
Temperature detection	class A1 in accordance with EN 54-5	-
Operating temperature | Alarm temperature	-10 °C to + 70 °C | +60 °C to + 65 °C	-
Note	Contains a siren (EN 14604). Accessory - PLV-P-ST universal circular ceiling spacer.	For the full range of ceiling detectors.

ENVIRONMENTAL DETECTORS
gas leak

These detectors can detect the accumulation of gas and show when the situation becomes dangerous for human health.


IP30

Product code	EI208W / EI208DW	GS-133
Product name	CO gas detector (with screen)	Detector of flammable gases
Product type	autonomous	autonomous
Dimensions	120 x 105 x 40 mm	110 x 164 x 53 mm
Power supply	Integrated non-replaceable lithium battery	12 V DC
Battery service life	10 years	-
Relay output	-	24 V / 2 A (optional reaction at the 1st or 2nd level)
Backup (idle) mode consumption / when relay is activated	-	100 mA / 150 mA
Acoustic indication	85 dB	94 dB
Service life of the device	max. 10 years	min. 5 years
Note	Optical indication via a signal lamp, for type Ei208DW, also on the screen.	Can be connected to the bus using the JA-111H module.

− 10°C
+40°C

ENVIRONMENTAL DETECTORS
gas leak - modules

The modules are designed to be directly included in autonomous CO gas detectors. They allow the wired and/or wireless connection of detectors to the system.
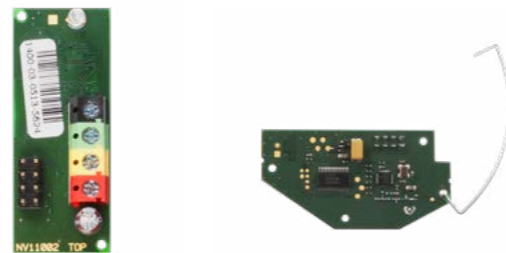
Product code	JA-110G-CO	JA-150G-CO
Product name	Module for connection of CO gas detectors	Module for connection of CO gas detectors
Product type	bus	wireless
Dimensions	48 x 19 x 14 mm	48 x 19 x 14 mm
Power supply	12 V from the control panel bus	from the EI208(D)W battery
Backup (idle) mode current consumption:	5 mA	-
Current consumption for cable selection	5 mA	-

− 10°C
+40°C

300 m

ENVIRONMENTAL DETECTORS
flood detectors

The detector indicates the leaking of water and flooding before the water can cause major damage. It announces an alarm via the system and can use its PG output to close the water supply valve.

Product code	JA-110F	LD-12
Product name	Flood detector	Flood detector
Product type	bus	-
Dimensions	53 x 20 x 10 mm	53 x 20 x 10 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus
Backup (idle) mode current consumption:	5 mA	0,6 mA
Current consumption for cable selection	5 mA	0,6 mA
Max. cable length	2,5 m (cannot be extended)	2,5 m (cannot be extended)

Product code	LD-81
Product name	Flood detector
Product type	-
Dimensions	53 x 20 x 10 mm
Power supply	directly from the JA-150M wireless detector
Max. cable length	2,5 m (cannot be extended)
Note	In the case of connection to a JA-150M, it is possible to install it directly into wireless installations.

− 10°C
+40°C

SIRENS

- Internal
- External
- Replaceable covers for external sirens

SIRENS internal

These are intended for inside use. Aside from alarms, they use accompanying acoustics to indicate various actions such as arrivals, delays etc. They are also used for the sounds of programmable outputs.

Product code	JA-110A	JA-110A II
Product name	Internal siren	Internal siren
Product type	bus	bus
Dimensions	80 x 80 x 28 mm	80 x 80 x 35 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus
Backup (idle) mode current consumption:	5 mA	5 mA
Current consumption for cable selection	30 mA	120 mA
Siren	piezoelectric, 85 dB/1 m	piezoelectric, 100 dB/1 m
Note	-	Optional back up battery 1x BAT-3V2-CR2

−10°C +40°C   300 m

SIRENS external

Sirens are used for the acoustic signaling of alarms. Their installation at a visible location will also make it clear that the building is protected by a security system.

ℹ Base without cover

−25°C +60°C   300 m
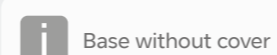
Product code	JA-150A II	JA-152A
Product name	Internal siren	Internal siren
Product type	wireless	wireless
Dimensions	80 x 80 x 35 mm	90 x 70 x 45 mm
Power supply	110 - 230 V / 0.6 W, protection class II	110 - 230 V / 0.6 W, protection class II
Backup battery	3,2 V / 400 mAh (BAT-3V2-CR2) - not included in the product package	3,2 V / 400 mAh (BAT-3V2-CR2) - included in the product package
Siren	piezoelectric, 100 dB/1 m	piezoelectric, 100 dB/1 m
Note	-	8 optional melodies

Product code	JA-111A-BASE-RB	JA-163A-BASE-RB
Product name	External siren	External siren
Product type	bus	wireless
Dimensions	200 x 300 x 70 mm	200 x 300 x 70 mm
Power supply	12 V from the control panel bus, backup - NiCd pack 4,8 V/1800 mAh	1x (2x) BAT-100A - not included in the package
Backup battery	BAT-4V8	-
Battery service life	approx. 3 years	approx. 5 years
Backup (idle) mode current consumption:	5 mA	-
Current consumption for cable selection	50 mA	-
Siren	piezoelectric, 110 dB/1 m	piezoelectric, 100 dB/1 m

Product code	JA-1X1A-C-GR / JA-1X1A-C-GR-B	JA-1X1A-C-WH / JA-1X1A-C-WH-B
Product name	Siren cover, plastic, grey, with red / blue light	Siren cover, plastic, white, with red / blue light
Dimensions	200 x 300 x 70 mm	200 x 300 x 70 mm

| Product code	JA-1X1A-C-ST / JA-1X1A-C-ST-B
Product name	Siren cover, stainless, with red / blue light
Dimensions	200 x 300 x 70 mm

MODULES

- Output
- Input
- Module for electricity meter pulse output
- Multi-functional relay
- Indicators
- Bus isolator

MODULES
output

Output modules copy the state of the PG outputs of the control panel. These open a wide range of possible applications of the JABLOTRON 100+ system, enhancing the comfort of smart home users and company employees.

− 10°C
+40°C
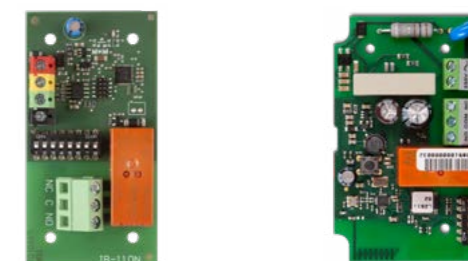
Product code	JB-110N	JA-150N
Product name	PG power output module	PG power output module
Product type	bus	wireless
Dimensions	78 x 40 x 20 mm	82 x 50 x 19 mm
Power supply	12 V from the control panel	230 V / 50 Hz, 1,5 W
Backup (idle) mode current consumption:	5 mA off | 45 mA switched	-
Current consumption for cable selection	45 mA	-
Maximum switched voltage	250 V AC / DC	250 V AC
Maximum switched current	16 A	16 A
Minimum switched DC power	0,5 W	0,5 W

| MODULES |

Product code	JB-118N	JB-111N
Product name	PG signal output module	PG signal output module
Product type	bus	bus
Dimensions	77 x 40 x 15 mm	78 x 40 x 15 mm
Power supply	12 V from the control panel	12 V from the control panel
Backup (idle) mode current consumption:	5 mA off | 10 mA switched	5 mA off | 25 mA switched
Current consumption for cable selection	10 mA	25 mA
Maximum switched voltage	38 V (with each output)	24 V DC/50 V
Maximum switched current	100 mA (with each output)	2A
Minimum switched current	-	10 mA
Note	Can control 128 PG outputs.	Can control 128 PG outputs.

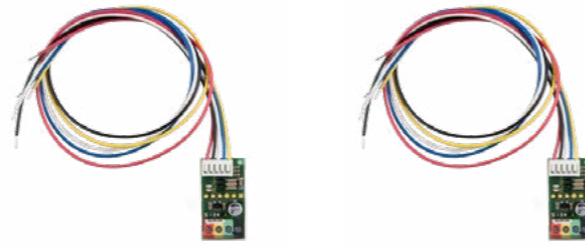| Product code	JA-151N
Product name	PG signal output module
Product type	wireless
Dimensions	82 x 50 x 19 mm
Power supply	12 V DC
Backup (idle) mode current consumption:	18 mA off | 35 mA switched
Maximum switched voltage	24 V DC/50 V
Maximum switched current	2 A
Minimum switched current	10 mA

Product code	JA-110N-DIN	JA-120N
Product name	PG-DIN power output module	Module for control of an electric lock
Product type	bus	bus
Dimensions	64 x 90 x 14 mm	90 x 90 x 35 mm
Power supply	12 V from the control panel	12 V from the control panel 3x NiMh recharging Eneloop battery (AA) 1900 mAh - not included in the product package
Backup (idle) mode current consumption:	5 mA off | 45 mA switched	10 mA
Current consumption for cable selection	45 mA	60 mA
DOOR output device (Eneloop batteries)	-	pulse (1 s) 600 mA | permanent 300 mA
Maximum switched voltage	250 V AC / 24 V DC	-
Maximum switched current	16 A	-
Minimum switched DC power	0,5 W	-
Note	Can control 128 PG outputs.	-

Product code	JB-150N -HEAD	0°C +40°C
Product name	Thermostatic head	
Product type	wireless	
Dimensions	85 x 49 mm	
Power supply	3x BAT-1V5-AA - not included in the product package	

| MODULES |

Input modules allow the connection of detectors to the JABLOTRON 100⁺ system, including detectors with classic switched alarm and sabotage contacts or controllers with output contacts.

Product code	JA-111H TRB	JA-111H-AD TRB
Product name	Module for the connection of a wired detector	System control module
Product type	bus	bus
Dimensions	16 x 30 x 12 mm	16 x 30 x 12 mm
Backup (idle) mode current consumption	8 mA	8 mA
Current consumption for cable selection	12 mA	12 mA
Maximum acceptable load by the connected detector	50 mA	50 mA

Product code	JA-118M
Product name	Magnetic detectors' connection module
Product type	bus
Dimensions	50 x 38 x 14 mm
Backup (idle) mode current consumption	5 mA
Current consumption for cable selection	15 mA
Maximum length of supply lines to the inputs	100 m

Product code	JA-114HN	JA-116H
Product name	4-input and 4-output module	Expander - 16 inputs
Product type	bus	bus
Dimensions	77 x 40 x 31 mm	102 x 66 x 20 mm
Backup (idle) mode current consumption	11 mA	25 mA
Current consumption for cable selection	26 mA	25 mA
Maximum acceptable load by the connected detector	each output max. 500 mA / 38 V +U output 200 mA	max. 4x 100 mA
Maximum length of supply lines to the inputs	100 m	100 m

− 10°C
+40°C

| MODULES |

MODULE FOR ELECTRICITY METER PULSE OUTPUT

This consumption meter will, together with the MyJABLOTRON app, monitor the power consumption in the building and aside from providing an easy-to-navigate overview will also notify of its unexpected increase.

−20°C +60°C

Product code	JA-150EM-DIN
Product name	Module for electricity meter pulse output
Product type	wireless
Dimensions	68 x 96 x 18 mm
Power supply	230 V / 50 Hz, 1,2 W
IN input	Operating voltage 5 V, max. external overvoltage 30 V DC, max. connection cable length 3 m.
PU input	Compatible with an impulse SO output of class B electricity meters according to EN 62053-31.
TA input	Remote tariffing input maximum 230 V AC.
Note	Possibility of connecting an AN-868 antenna

MULTIFUNCTIONAL RELAY

The relays copy the selected PG outputs of the control panel, in the multifunctional version they can also react to the activation of unidirectional detectors in the JA-15x range.

−10°C +40°C

Product code	AC-160-DIN	AC-160-C
Product name	Multifunctional relay for DIN-rail installation	Multifunctional relay
Product type	wireless	wireless
Dimensions	64 x 90 x 18 mm	49 x 49 x 26 mm
Power supply	230 V, 50 Hz	100 - 230 V / 50 - 60 Hz
Internal power consumption	0,5 W / max. 1,7 W	0,2 W / max. 0,7 W
Max. switched voltage	250 V AC	250 V AC
Maximum switched current	16 A	16 A

INDICATORS

Indicators allow users to quickly visually inspect the status of the system, e.g., arming a section above its entry point. They clearly copy and relay the status of a section or PG output.

− 10°C +40°C

Product code	JA-111I	JA-112I
Product name	Universal optical indicator	Section or PG indicator
Product type	-	bus
Dimensions	62 x 36 x 27 mm	62 x 36 x 27 mm
Backup mode consumption (LED on/off)	5 mA / 0 mA	6 mA / 3 mA
Current consumption for cable selection	5 mA	6 mA
Note	-	Up to 128 PGs.

BUS ISOLATOR

This is designed to separate and isolate unprotected parts of the bus cabling.

− 10°C +40°C

Product code	JA-110T
Product name	Bus isolator
Product type	bus
Dimensions	38 x 42 x 14 mm
Power supply	12 V from the control panel bus
Backup (idle) mode current consumption:	5 mA
Current consumption for cable selection	5 mA
Admissible load of the outer branch of the bus	max. 250 mA

POWER SUPPLY

- Adapters
- Backup batteries
- Batteries

BACKUP BATTERIES

Rechargeable batteries are used to provide backup power for control panels and sirens.

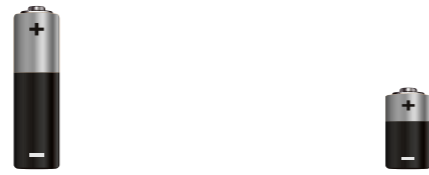| Product code	SA214-2.6	SA214-7
Type	lead	lead
Voltage	12 V	12 V
Capacity	2,6 Ah	7 Ah
Dimensions	178 x 36 x 60 mm	151 x 65 x 94 mm
Note	For JA-100K and JA-103K control panels and their variants.	For JA-106K, JA-107K control panels and their variants.

Product code	SA214-18	BAT-4V8-N900
Type	lead	NiCd
Voltage	12 V	4,8 V
Capacity	18 Ah	900 mAh
Dimensions	181 x 76 x 167 mm	56 x 49 x 15 mm
Note	For JA-106K, JA-107K control panels and their variants.	For JA-150R.

Product code	BAT-4V8	BAT-3V2-CR2
Type	NiCd	LiFePO4
Voltage	4,8 V	3,2 V
Capacity	1800 mAh	400 mAh
Dimensions	90 x 45 x 20 mm	ø 16 x 28 mm
Note	For JA-111A RB and JA-151A RB.	For JA-110A II, JA-150A II and JA-152A.

ADAPTERS

These adapters can be used whenever 12 V power is needed and a backup power supply from the bus is not available.

Product code	DE06-12	**IP64**	LT-089.07	**0°C +50°C**
Product name	Power adapter		Power adapter	
Dimensions	50 x 48 x 25 mm		41 x 79 x 44 mm	
Power supply	110 - 230 V AC		110 - 230 V AC	
Output voltage	12 V DC		12 V DC	
Output current	500 mA		1000 mA	
Peak output current	1000 mA		-	
Note	Intended for powering wireless keyboards, GSM communicators or UC receivers, etc.		-	

These are used to power wireless devices.

Product code	BAT-1V5-AA	BAT-3V6-1/2AA-LS
Type	alkaline	lithium
Voltage	1,5 V	3,6 V
Capacity	2500 mAh	1200 mAh

Product code	BAT-3V6-AA-LS	BAT-3V0-CR123A
Type	lithium	lithium
Voltage	3,6 V	3 V
Capacity	2400 mAh	1500 mAh

Product code	BAT-3V0-CR2032	BAT-3V0-CR2354
Type	lithium	lithium
Voltage	3 V	3 V
Capacity	200 mAh	550 mAh

Product code	BAT-3V6-R20	BAT-100A
Type	lithium	lithium
Voltage	3,6 V	3,6 V
Capacity	13 Ah	13 Ah
Note	-	For JA-163A-BASE-RB

INSTALLATION ACCESSORIES

○ Installation boxes
○ Installation cables
○ Bus splitters
○ Antennas
○ Testers
○ Label printer
○ RFID card reader for PC
○ Wall plugs and screws

INSTALLATION BOXES

These multipurpose boxes offer a unified appearance with JABLOTRON 100⁺ devices. They are suitable for the installation of bus devices, output modules, etc.

Product code	JA-190PL IP40	JA-192PL-A IP65
Product name	Multipurpose installation box	Multipurpose outdoor installation box
Dimensions	90 x 90 x 34 mm	70 x 62 x 35 mm
Supported modules	JA-110N JA-110T JA-110Z JA-110Z-B JB-110N JA-111N JA-111H-AD TRB JA-111H TRB JB-111N JA-114HN JA-118M JA-118N JB-118N JA-120N JA-121T JA-150N JA-151N	JA-111SH JA-111TH JA-151TH

| INSTALLATION ACCESSORIES |

Product code	JA-194PL 💧 IP40	JA-195PL 💧 IP40
Product name	Multipurpose installation box - medium	Multipurpose installation box - medium
Dimensions	182 x 132 x 45 mm	102 x 102 x 34 mm
Supported modules	JA-110N JA-110T JA-110Z JA-110Z-B JA-110Z-D JB-110N JA-111N JB-111N JA-114HN JA-116H JA-118M JA-118N JB-118N JA-121T JA-150N	JA-110N JA-110T JA-110Z-B JB-110N JA-111N JA-111H-AD TRB JA-111H TRB JB-111N JA-118M JA-118N JB-118N JA-121T JA-150N JA-151N
Note	Equipped with a front and rear tamper switch.	Equipped with a front and rear tamper switch.

INSTALLATION CABLES

To make installation easier, the cables have matching colours to the bus terminals. They also have labels to easily identify the length of the used material.

| Product code	CC-01	CC-02
Product name	Installation cable	Installation cable
Length	300 m	300 m
Cable diameter	2x 0,8 mm - power supply cables 2x 0,5 mm - data cables	2x 0,5 mm - power supply cables 2x 0,5 mm - data cables

Product code	CC-03	CC-11
Product name	Installation cable	Installation cable
Length	250 m	200 m
Cable diameter	2x 0,5 mm - power supply cables 6x 0,2 mm - data cables	2x 0,5 mm - power supply cables 2x 0,2 mm - data cables
Flammability class	-	B2CA-s1, d0, a1
Note	2 pairs of auxiliary cables	Higher resistance of the cable against the spread of fire through cable bundles and against the leak of toxic vapors. Suitable for a commercial environment.

BUS SPLITTERS

Splitters can help reduce the amount of required cabling and allow the installation of a system bus which precisely matches the specific installation site.

Product code	JA-110Z −40°C +60°C	JA-110Z-B −25°C +70°C
Product name	Address bus splitter	Bus splitter
Dimensions	90 x 90 x 34 mm	71 x 64 x 13 mm
Backup (idle) mode current consumption:	5 mA	-
Current consumption for cable selection	5 mA	-
Maximum voltage	16 V	42 V AC / 60 V DC
Maximum current	2 A	2 A
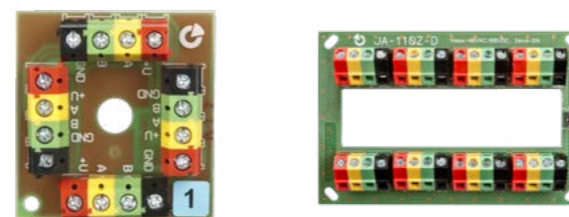
Product code	JA-110Z-C −25°C +70°C	JA-110Z-D −25°C +70°C
Product name	Bus splitter	Bus splitter
Dimensions	40 x 38 x 13 mm	102 x 66 x 18 mm
Maximum voltage	42 V AC / 60 V DC	48 V AC / 60 V DC
Maximum current	2 A	2 A
Note	-	Suitable for the expansion of the third bus for JA-107K control panels.

ANTENNAS

External antennas are intended to increase the range of radio signals of selected wireless devices.

Product code	AN-868 −20°C +60°C	AN-868-2PIN −20°C +60°C
Product name	External antenna	External antenna
Dimensions	130 x 50 x 30 mm	130 x 50 x 30 mm
Compatible with:	JA-150EM-DIN JA-163A JA-150R AC-160-DIN JB-EXT-TH-R JA-151ST-A	JA-151A JA-151N JA-150IR JA-151IR JA-157P JA-158P JA-159P
Cable length	2 m	2 m
Note	3-pin connector	2-pin connector

Product code	AN-05 2G-3G −40°C +60°C
Product name	External antenna
Dimensions	110 x 30 mm
Compatible with:	JA-106Kxx JA-190Y JA-192Y
Cable length	3 m

TESTERS

Testers are used to verify correct functionality of CO, smoke and glass break detectors.

Product code	SOLO C3	SD-TESTER
Product name	Test spray for CO detectors	Test spray for smoke detectors

Product code	GBT-212
Product name	Glass break simulator

LABEL PRINTER

The printer is intended for the easy printing of labels directly from the F-Link configuration software.

Product code	PT-P700-X
Product name	Label printer

RFID CARD READER FOR PC

An RFID card reader for the simple enrollment of access chips to the JABLOTRON 100⁺ system using F-Link and J-Link software.

Product code	JA-190T
Product name	RFID card reader for PC

WALL PLUGS
AND SCREWS

Wall plugs and screws are
suitable for wall-mounting
of most alarm devices.

Product code	ACC-D-UX5R	ACC-D-UX6R
Product name	Universal plastic wall plugs	Universal plastic wall plugs

Product code	ACC-S3.5X40	ACC-S4.5X50
Product name	Wood screws	Wood screws

Product code	ACC-SH3.5X40	ACC-SH4.5X50
Product name	Wood half-round head screws	Wood half-round head screws

| INSTALLATION ACCESSORIES |

SOFTWARE
for installation partners

○ F-Link
○ MyCOMPANY

F-Link

Original SW for professional programming of the JABLOTRON 100⁺ system. Certified technicians can use this to completely install and program the system.

Functions

- Section settings
- Assignment of peripherals to sections and their configuration
- Maintanance management
- User management
- Configuration of global control panel parameters
- Programming of PG outputs
- Calendar settings including repeated actions
- Day/night mode settings
- Management of alarm and control centres
- Upgrade of the firmware for key devices
- System diagnostics, including detailed technical information
- Access to the event log in the memory
- Cameras settings

Connection to the control panel

USB cable

Remotely via the internet

MyCOMPANY

Online access to the administration of all installations carried out through the app.

Functions

- Creation of quotes
- Installation management - view of the current status and changes in settings
- Advanced settings
- Service notifications

MySTORAGE
INSTALLATION MANUALS
information and marketing documents in all available languages

MyKNOWLEDGE
EDUCATIONAL VIDEOS
Information about the latest news and new products

Download the app for free
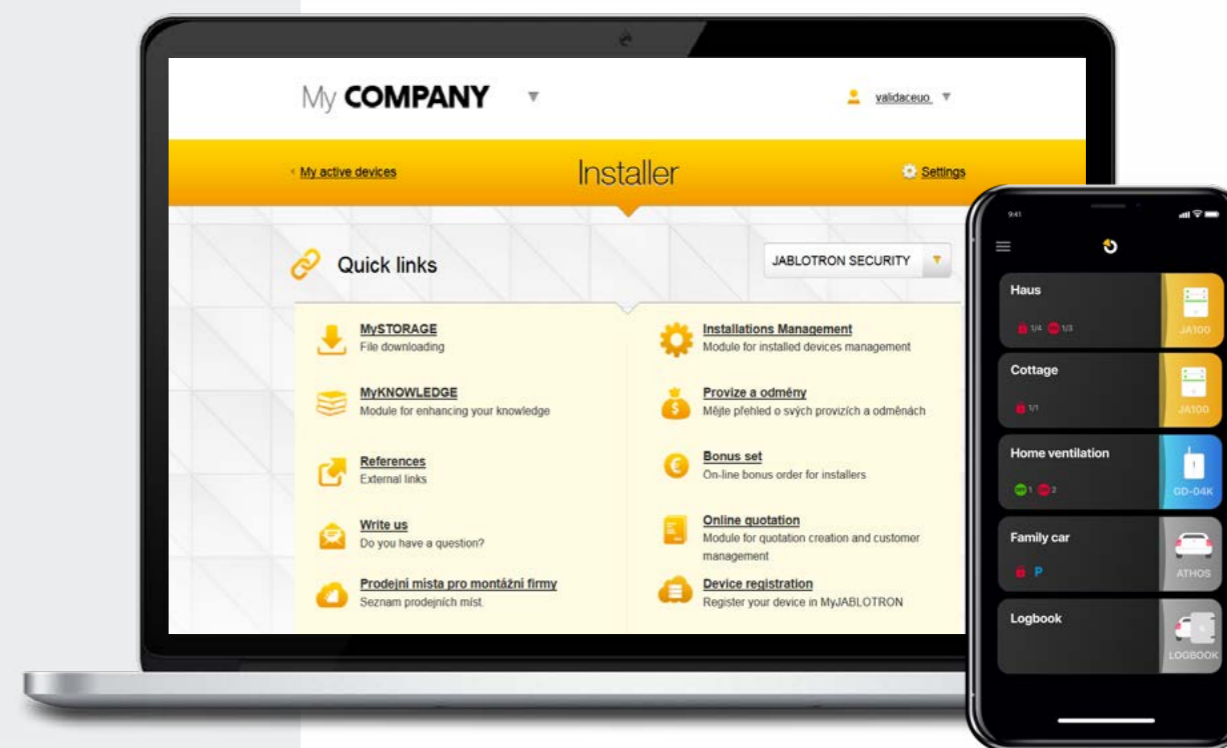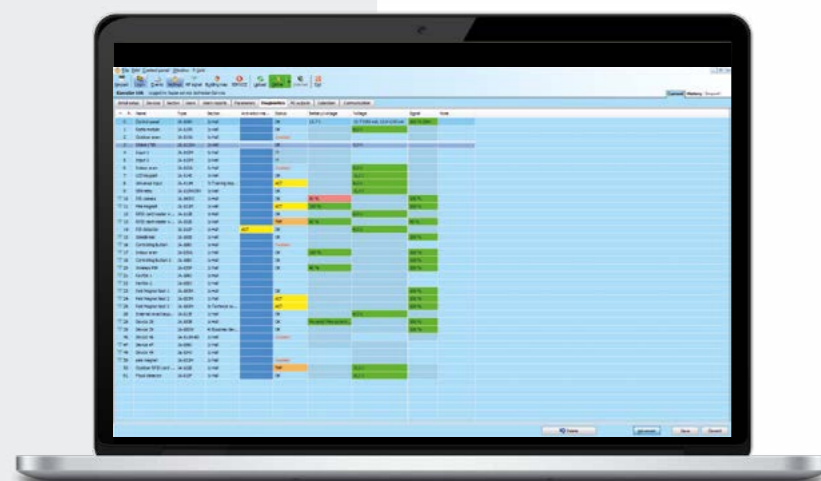
SOFTWARE
for end users

- ○ J-Link
- ○ MyJABLOTRON

J-Link

Software intended for end users of JABLOTRON 100⁺ systems. Not used for full configuration; designed primarily for system administrators, for instance for adding new users.

Functions

- ● Displaying the event log
- ● Configuration of user codes, access cards and phone numbers
- ● User right copy

- ● Programming of events in the calendar
- ● System diagnostics

Connection to the control panel

USB cable

Remotely via the internet

MyJABLOTRON

A unique application offering end users remote access to the JABLOTRON system.

Functions

- ● Simple controls, identical to keypad controls
- ● Event notifications (PUSH notifications, e-mails, SMS)

- ● Verification – photo, video
- ● Latest information
- ● Setting of access rights for sharing

Mobile phone controls

PC controls

Smart watch controls

Download the app for free

INDEX

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