

# JABLOTRON 100<sup>+</sup>

PRODUCT CATALOGUE | 2023



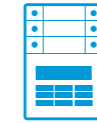
Creating smart things  
easy to use

## 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



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# GENERAL PROPERTIES OF DEVICES



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

<b>Operating frequency</b>	868,1 MHz
<b>Battery service life</b>	approx. 2 years*
<b>RFID frequency</b>	125 kHz
<b>Communication range</b>	approx. 300 - 1 000 m
<b>Operating temperature of internal devices</b>	-10 °C to +40 °C*



-  Operating temperature
-  Communication range
-  IP (Ingress protection class)
-  PET (Basic pet immunity)
-  Info / note

-  EUROPEAN STANDARD
-  SECURITY SYSTEM
-  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-100K

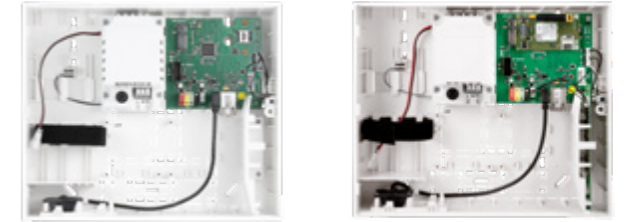
JA-100K control panels are ideal for securing small installations such as apartments, weekend suites, smaller companies, shops or restaurants.



Product code	JA-100K	JA-100KR
<b>Product name</b>	Control panel with LAN communicator	Control panel with LAN and radio module
<b>Dimensions</b>	268 x 225 x 83 mm	268 x 225 x 83 mm
<b>Number of sections</b>	4	4
<b>Number of users</b>	32	32
<b>Number of peripherals</b>	32	32
<b>Number of programmable outputs</b>	4	4
<b>Communicators</b>	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
<b>Back-up battery</b>	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-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.



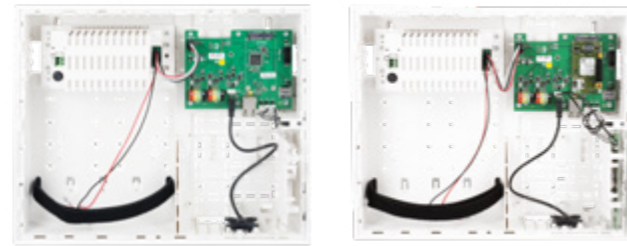
Product code	JA-103K	JA-103KR
<b>Product name</b>	Control panel with LAN communicator	Control panel with LAN and radio module
<b>Dimensions</b>	268 x 225 x 83 mm	268 x 225 x 83 mm
<b>Number of sections</b>	8	8
<b>Number of users</b>	50	50
<b>Number of peripherals</b>	50	50
<b>Number of programmable outputs</b>	32	32
<b>Communicators</b>	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
<b>Backup battery</b>	1x SA214-2.6 - battery is not included in the product package	1x SA214-2.6 - battery is not included in the product package



Product code	JA-103K-7Ah
<b>Product name</b>	Control panel with LAN communicator
<b>Dimensions</b>	357 x 297 x 105 mm
<b>Number of sections</b>	8
<b>Number of users</b>	50
<b>Number of peripherals</b>	50
<b>Number of programmable outputs</b>	32
<b>Communicators</b>	built-in LAN; GPRS / GSM can be purchased as the JA-192Y or JA-194Y module
<b>Backup battery</b>	1x SA214-7 - 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 buildings like schools, companies or shops.





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

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



## REPLACEABLE COVERS for control panels



Product code	PLV-CP-M  IP40	PLV-CP-L  IP40
<b>Product name</b>	Replacement cover for the JA-100K, JA-103K and JA-103KR control panels	Replacement cover for the JA-103K-7Ah, JA-107K/R control panels and JA-120Z bus booster
<b>Dimensions</b>	268 x 225 x 83 mm	357 x 297 x 105 mm
<b>Note</b>	Can also be used as an installation box.	Can also be used as an installation box.

## SYSTEM DEVICES

- o Radio modules
- o Signal repeater
- o Phone and GSM communicators
- o Interface
- o 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



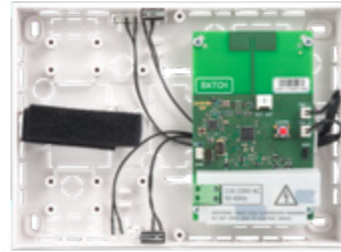
Product code	JA-111R 	JA-111R 80 
<b>Product name</b>	Module for wireless connection of JABLOTRON 100+ devices	Module for wireless connection of JABLOTRON 80 peripherals
<b>Product type</b>	bus	bus
<b>Dimensions</b>	43 x 160 x 23 mm	43 x 160 x 23 mm
<b>Consumption at idle state</b>	35 mA	35 mA
<b>Note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


Product code	PLV-JA111R  IP40
<b>Product name</b>	Plastic cover for radio module
<b>Dimensions</b>	43 x 160 x 23 mm
<b>Supported modules</b>	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.



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	

 -10°C  
+40°C

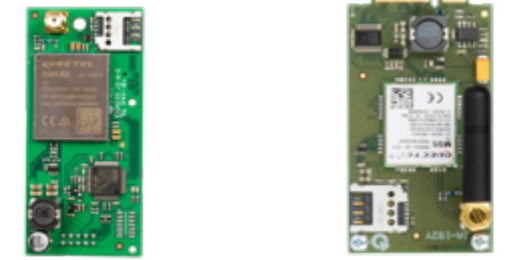
## PHONE AND GSM COMMUNICATORS

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



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 strength)
Operating band	-	QUAD-BAND, 850 / 900 / 1800 / 1900 MHz
Note	2 input and output terminals for a landline. For control panels of the JA-100K serie.	For control panels of the JA-100K serie.

 -10°C  
+40°C



Product code	JA-191Y	JA-192Y
Product name	LTE communicator module	GSM communicator module
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-100K serie.	For control panels of the JA-103K and JA-107K series.




Product code	JA-194Y
Product name	LTE communicator module
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.




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

 -10°C  
+40°C

## BUS BOOSTER

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



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





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

 -10°C  
+40°C



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





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



Product code	JA-192E /-AN /-GR /-WH
<b>Product name</b>	Control segment of access modules
<b>Product type</b>	-
<b>Dimensions</b>	102 x 15 x 33 mm
<b>Power supply</b>	from the keypad module
<b>Average power consumption</b>	10mA



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





## ACCESS MODULES external



External keypad, resistant to weather conditions.

 -25°C  
+60°C  IP65



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



Product code	JA-120E-WH /-BK 	JA-121E-WH /-BK 
<b>Product name</b>	Touch access module with dual RFID reader	Touch access module with a keypad and dual RFID reader
<b>Product type</b>	bus	bus
<b>Dimensions</b>	96 x 67 x 13,5 mm	96 x 67 x 19 mm
<b>Backup (idle) mode current consumption</b>	45 mA	35 mA
<b>Max. current consumption</b>	95 mA	105 mA
<b>RFID frequency</b>	125 kHz	125 kHz
<b>MIFARE frequency</b>	13,56 MHz	13,56 MHz

 -25°C  
+70°C  IP55





Product code	WRE-KU68-WH /-BK	WRE-SC-WH /-BK
<b>Product name</b>	mounting pad	mounting box

## 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).

 -10°C  
+40°C







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




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



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





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

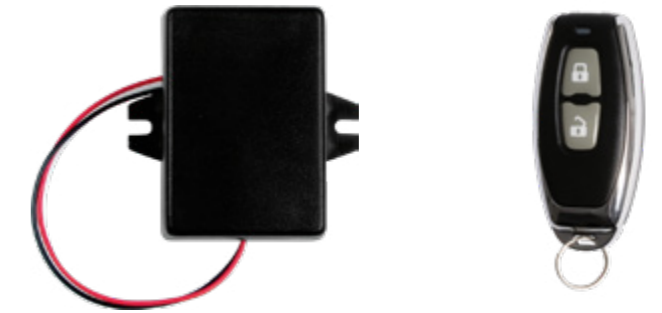
## REMOTE CONTROLS



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.



<b>Product code</b>	<b>JA-152J MS II</b> 	<b>JA-154J MS II</b> 
<b>Product name</b>	Two-way two-button remote control	Two-way four-button remote control
<b>Product type</b>	wireless	wireless
<b>Dimensions</b>	63 x 36 x 15 mm	77 x 36 x 15 mm
<b>Power supply</b>	1x BAT-3V0-2032	1x BAT-3V0-2032
<b>Battery service life</b>	approx. 2 years	approx. 2 years
<b>Note</b>	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



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

## REPLACEABLE COVERS for remote controls



<b>Product code</b>	<b>PLV-JA152JMSII</b>	<b>PLV-JA154JMSII</b>
<b>Product name</b>	Replacement cover for JA-152J MS II	Replacement cover for JA-154J MS II
<b>Dimensions</b>	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.



<b>Product code</b>	JA-190J	JA-193J
<b>Product name</b>	RFID access card	Dual RFID access card



<b>Product code</b>	JA-192J	JA-196J
<b>Product name</b>	RFID entry key tag	Dual RFID entry key tag



<b>Product code</b>	JA-194J-RE	JA-194J-BK
<b>Product name</b>	RFID leather key tag	RFID leather key tag



<b>Product code</b>	JA-195J	PC-02B
<b>Product name</b>	RFID entry key tag	RFID entry key tag

## DETECTORS




- o Motion
- o Verification
- o Building perimeter
- o Exterior
- o 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.





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




 -10°C  
+40°C



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



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



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



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



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

## MOTION DETECTORS external



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





 -20°C  
+60°C







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

 -20°C  
+60°C



Product code	JA-157P  	JA-169P  
<b>Product name</b>	Two-zone PIR motion detector - screen	Two-zone PIR motion detector
<b>Product type</b>	wireless	wireless
<b>Dimensions</b>	52 x 176 x 66 mm	189 x 81 x 98 mm
<b>Power supply</b>	1x BAT-3V0-CR123A - not included in the package	1x BAT-3V0-CR123A - not included in the package
<b>Battery service life</b>	approx. 3 years	approx. 3 years
<b>Mounting height</b>	0,8 - 1,2 m	1,0 - 1,2 m
<b>Detection angle</b>	5° / 2 or 5 m	85° / 15 m





Product code	JA-158P  	JA-159P  
<b>Product name</b>	PIR motion detector	PIR motion detector
<b>Product type</b>	wireless	wireless
<b>Dimensions</b>	99 x 205 x 266 mm	71 x 186 x 105 mm
<b>Power supply</b>	2x BAT-3V0-CR123A - not included in the package	2x BAT-3V0-CR123A - not included in the package
<b>Battery service life</b>	approx. 3 years	approx. 3 years
<b>Mounting height</b>	2,5 - 3,0 m	0,8 - 1,2 m
<b>Detection angle</b>	85° / 12 m	90° / 12 m



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





Product code	JA-122PW (G) 	JA-162PW (G) 
<b>Product name</b>	PIR and MW motion detector with a white (grey) lens	PIR and MW motion detector with a white (grey) lens
<b>Product type</b>	bus	wireless
<b>Dimensions</b>	63 x 150 x 40 mm	63 x 150 x 40 mm
<b>Power supply</b>	12 V from the control panel bus	2x BAT-CR123A (3 V/1500 mAh) - not included in the package
<b>Backup (idle) mode current consumption</b>	5 mA	-
<b>Current consumption for cable selection</b>	16 mA	-
<b>Mounting height</b>	2,2 - 2,5 m above the floor level	2,2 - 2,5 m above the floor level
<b>PIR detection angle</b>	90° / 12 m	90° / 12 m
<b>MW detection angle</b>	80° / 12 m	80° / 12 m

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

 -10°C  
+40°C



Product code	JA-120PB 	JA-180PB 
<b>Product name</b>	PIR motion and glass break detector	PIR motion and glass break detector
<b>Product type</b>	bus	wireless
<b>Dimensions</b>	60 x 95 x 55 mm	60 x 110 x 55 mm
<b>Power supply</b>	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
<b>Backup (idle) mode current consumption</b>	5 mA	-
<b>Current consumption for cable selection</b>	10 mA	-
<b>Mounting height</b>	2,5 m above the floor level	2,5 m above the floor level
<b>PIR detection angle</b>	110° / 12 m (with standard lens)	120° / 12 m (with standard lens)
<b>Detection range of glass break</b>	9 m (glass at least 60 x 60 cm)	9 m (glass at least 60 x 60 cm)





Product code	JA-196PL-L
<b>Product name</b>	Wall holder for PIR and MW detectors



## MOTION DETECTORS verification

Motion detectors in a combined version visually verify alarms using a photograph.



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



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

 -10°C  
+40°C

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

 -30°C  
+60°C  IP67

## 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
<b>Product name</b>	PoE Switch - 4 ports
<b>Dimensions</b>	132 x 94 x 28 mm
<b>Power supply</b>	51 V DC, 1,25 A
<b>Network protocol</b>	IEE802.3, 802.3u, 802.3x, 802.3af, 802.3at
<b>Switching capacity</b>	1 Gbps
<b>PoE power budget</b>	58 W

 0°C  
+40°C

## COLOUR VARIANTS

Discover our new colour variants of:

- access modules
- magnetic detectors
- external siren covers

They offer the ideal solution for modern interiors, for design wallpapers, window frames, garage doors and for different types of walls and facades.

Available colours are:

- white (-WH),
- anthracite (-AN),
- grey (-GR)
- brown (B).



## 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


 -10°C  
 +40°C

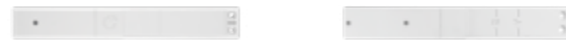




Product code	JA-111M /-AN /-GR /B	 JA-151M /-AN /-GR /B	
<b>Product name</b>	Magnetic detector - mini	Magnetic detector - mini	
<b>Product type</b>	bus	wireless	
<b>Dimensions</b>	27 x 55 x 16 mm	26 x 55 x 16 mm	
<b>Power supply</b>	12 V from the control panel bus	1x BAT-3V0-CR2032 - not included in the package	
<b>Backup (idle) mode current consumption</b>	5 mA	-	
<b>Current consumption for cable selection</b>	5 mA	-	



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







Product code	JA-152M 	JA-182M 
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 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.





Product code	JA-111SH 	JA-182SH 
Product name	Shock or tilt detector	Shock 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°

## 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.




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 mm	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)





## 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.



Product code	JA-152SHM 
Product name	Shock or tilt detector with a magnetic contact
Product type	wireless
Dimensions	24 x 109 x 24 mm
Power supply	1x BAT-1V5-AA - not included in the product package





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

## ENVIRONMENTAL DETECTORS thermometers and thermostats



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




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



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





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



## ENVIRONMENTAL DETECTORS smoke and temperature

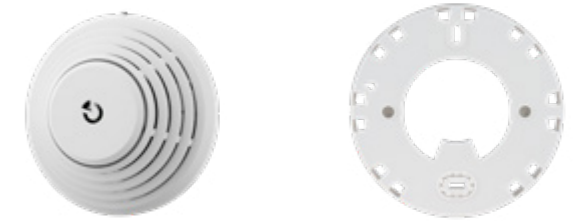
Necessary for protecting against fires in residential and commercial buildings. Support various detection settings - smoke and increased temperature, in various combinations. It is also possible to select a type which will report an alarm based on its own detector as well as on all other detectors in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




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



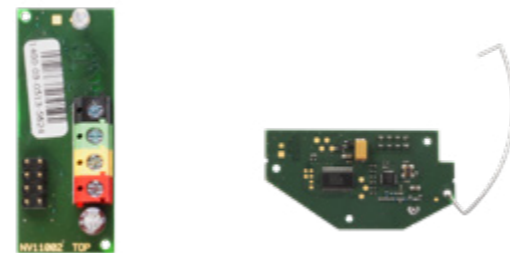
Product code	EI208W / EI208DW	GS-133 
Product name	CO gas detector (with screen)	Detector of flammable gases
Product type	autonomous	autonomous
Dimensions	120 x 105 x 40 mm	110 x 164 x 53 mm
Power supply	Integrated non-replaceable lithium battery	12 V DC
Battery service life	10 years	-
Relay output	-	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

## 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)
Note	-	The detector can be connected to the input terminals of alarm systems.



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
Backup (idle) mode current consumption	-
Current consumption for cable selection	-
Max. cable length	2,5 m (cannot be extended)
Note	It is possible to install it directly into wireless installations via JA-150M.



-10°C  
+40°C

# SIRENS

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

-10°C  
+40°C

## SIRENS external

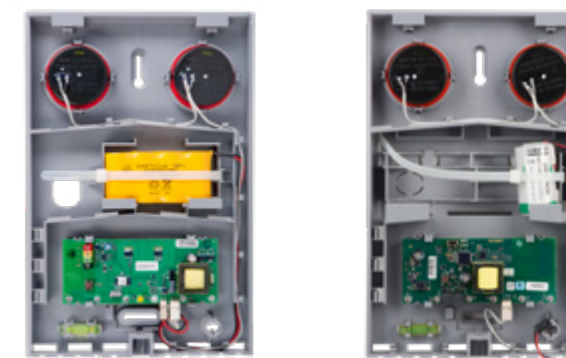
Sirens are used for the acoustic signaling of alarms. Their installation at a visible location will also make it clear that the building is protected by a security system.

Base without cover

-25°C  
+60°C



Product code	JA-150A II	JA-152A
<b>Product name</b>	Internal siren	Internal siren
<b>Product type</b>	wireless	wireless
<b>Dimensions</b>	80 x 80 x 35 mm	90 x 70 x 45 mm
<b>Power supply</b>	110 - 230 V / 0.6 W, protection class II	110 - 230 V / 0.6 W, protection class II
<b>Backup battery</b>	1x BAT-3V2-CR2 - not included in the package	1x BAT-3V2-CR2 - included in the package
<b>Siren</b>	piezoelectric, 100 dB/1 m	piezoelectric, 100 dB/1 m
<b>Note</b>	8 optional melodies	8 optional melodies



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

REPLACEABLE  
COVERS  
for external sirens



Product code	JA-1X1A-C /-WH /-AN /-GR	JA-1X1A-C /-WH-B /-AN-B /-GR-B
Product name	Plastic siren cover with red light	Plastic siren cover with blue light
Dimensions	200 x 300 x 70 mm	200 x 300 x 70 mm



Product code	JA-1X1A-C-ST /-B
Product name	Stainless steel siren cover with red / blue (-B) light
Dimensions	200 x 300 x 70 mm

## MODULES

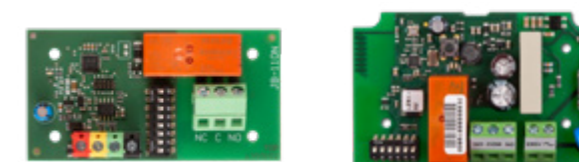
- o Output
- o Input
- o Module for electricity meter pulse output
- o Multi-functional relay
- o Indicators
- o Bus isolator





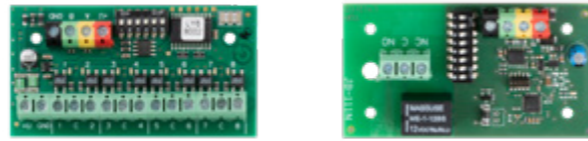
## MODULES output



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





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




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





Product code	JA-110N-DIN 	JA-120N 
<b>Product name</b>	PG-DIN power output module	Module for control of an electric lock
<b>Product type</b>	bus	bus
<b>Dimensions</b>	64 x 90 x 14 mm	90 x 90 x 35 mm
<b>Power supply</b>	12 V from the control panel	12 V from the control panel 3x BAT-1V2-NIMH.1 - not included in the product package
<b>Backup (idle) mode current consumption</b>	5 mA off   45 mA switched	10 mA
<b>Current consumption for cable selection</b>	45 mA	60 mA
<b>DOOR output device (Eneloop batteries)</b>	-	pulse (1 s) 600 mA   permanent 300 mA
<b>Maximum switched voltage</b>	250 V AC / 24 V DC	-
<b>Maximum switched current</b>	16 A	-
<b>Minimum switched DC power</b>	0,5 W	-
<b>Note</b>	Can control 128 PG outputs.	-



Product code	JB-150N-HEAD 
<b>Product name</b>	Thermostatic head
<b>Product type</b>	wireless
<b>Dimensions</b>	85 x 49 mm
<b>Power supply</b>	3x BAT-1V5-AA - not included in the product package

 0°C  
+40°C



Product code	JB-160N-PLUG 	JB-161N-PLUG 
Product name	Smart plug	Smart plug
Product type	wireless	wireless
Plug type	Type E (French)	Type F (Schuko)
Dimensions	70 x 70 x 77,6 mm	70 x 70 x 77,6 mm
Power consumption at 230 V AC (min/max)	0,4 W / 1 W	0,4 W / 1 W
Resistive load (cos φ = 1)	max. 16 A	max. 16 A





## MODULES input



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.

 -10°C  
+40°C




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-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




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



## 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.





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

 -20°C  
+60°C

## 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.





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

 -10°C  
+40°C

## 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.




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

 -10°C  
+40°C

## BUS ISOLATOR

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



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

 -10°C  
+40°C

## POWER SUPPLY


- Adapters
- Backup batteries
- Batteries



## 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
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.	-

## 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/R and JA-103K/R control panels.	For JA-103K-7Ah, JA-107K/R control panels.



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-107K/R control panels.	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	∅ 16 x 28 mm
Note	For JA-111A RB and JA-151A RB.	For JA-110A II, JA-150A II and JA-152A.

## BATTERIES

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 	JA-192PL-A 
Product name	Multipurpose installation box - small	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



Product code	JA-194PL  IP40	JA-195PL  IP40
Product name	Multipurpose installation box - large	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.



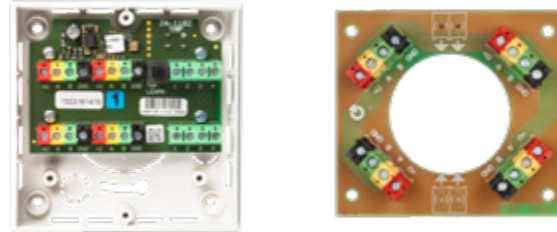
Product code	CC-01	CC-02
Product name	Installation cable	Installation cable
Length	300 m	300 m
Cable diameter	1 x 2 x 24 AWG (0,2 mm <sup>2</sup> ) 1 x 2 x 20 AWG (0,5 mm <sup>2</sup> )	2 x 2 x 24 AWG (0,2 mm <sup>2</sup> )



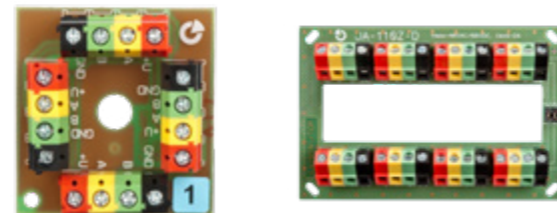
Product code	CC-03	CC-11
Product name	Installation cable	Installation cable
Length	250 m	200 m
Cable diameter	3 x 2 x 24 AWG (0,2 mm <sup>2</sup> ) 1 x 2 x 20 AWG (0,5 mm <sup>2</sup> )	1 x 2 x 24 AWG (0,2 mm <sup>2</sup> ) 1 x 2 x 20 AWG (0,5 mm <sup>2</sup> )
Flammability class	-	B2CA-s1, d0, a1
Note	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	JA-110Z-B
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	JA-110Z-D
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/R control panels.

-25°C  
+70°C

## ANTENNAS

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



Product code	AN-868	AN-868-2PIN
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 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

-20°C  
+60°C



Product code	AN-05 2G-3G
Product name	External antenna
Dimensions	110 x 30 mm
Compatible with	JA-106K JA-190Y JA-192Y
Cable length	3 m

-40°C  
+60°C

## TESTERS

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



<b>Product code</b>	<b>SOLO C3</b>	<b>SD-TESTER</b>
<b>Product name</b>	Test spray for CO detectors	Test spray for smoke detectors



<b>Product code</b>	<b>GBT-212</b>
<b>Product name</b>	Glass break simulator

## LABEL PRINTER

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



<b>Product code</b>	<b>PT-P700-X</b>
<b>Product name</b>	Label printer
<b>Note</b>	Accessories: printer tape PT-TAPE02-BW /-WB /-WG

## 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 JA-100-Link software.



<b>Product code</b>	<b>JA-190T</b>
<b>Product name</b>	RFID card reader for PC

## WALL PLUGS AND SCREWS

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



<b>Product code</b>	<b>ACC-D-UX5R</b>	<b>ACC-D-UX6R</b>
<b>Product name</b>	Universal plastic wall plugs	Universal plastic wall plugs



<b>Product code</b>	<b>ACC-S3.5X40</b>	<b>ACC-S4.5X50</b>
<b>Product name</b>	Wood screws	Wood screws



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



## SOFTWARE for installation partners

- o F-Link
- o 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
- Maintenance 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

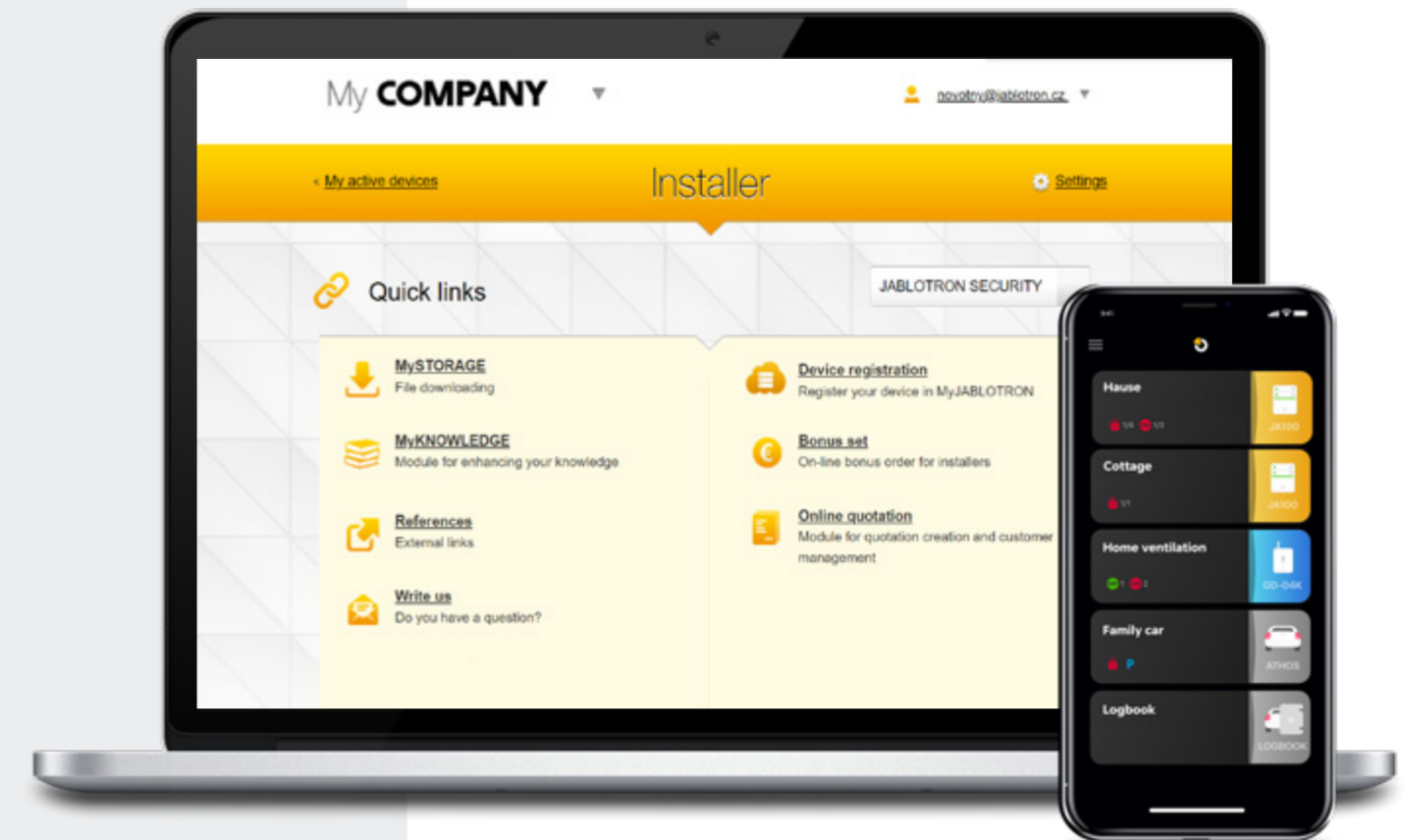
information and marketing documents in all available languages



#### MyKNOWLEDGE

##### EDUCATIONAL VIDEOS

Information about the latest news and new products





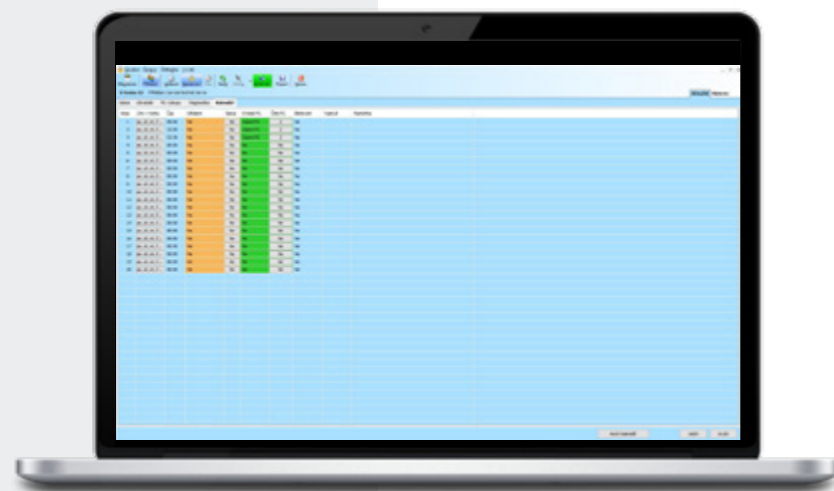
## SOFTWARE for end users

- o JA-100-Link
- o MyJABLOTRON



### JA-100-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, emails, SMS)
- Verification – photos, video
- Latest information
- Setting of access rights for sharing



Mobile phone controls



PC controls



Smart watch controls



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## Alarm with intuitive control

