

# JABLOTRON 100<sup>+</sup>

Alarm with intuitive control







We create smart products that are easy to use.

## ABOUT JABLOTRON

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We are a purely Czech technology company with our own development and production and a tradition that dates back to 1990. Together with twenty other companies we form the JABLOTRON GROUP. We provide state-of-the-art solutions for the protection of property and the health and safety of our customers. We always place great emphasis on the user comfort of our products.



**73**  
countries  
buy our products

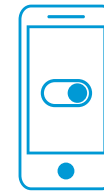


**1.3**  
million  
secured buildings



**670**  
employees

We have  
been defining  
the standard  
of the global  
IoT network for



**7+**  
years

**Our alarms are installed by**

**31 k**

installation partners

# COMPLETE SOLUTIONS FOR SECURITY AND COMFORT

## JABLOTRON 100+

/ professional security system /

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

## PROFESSIONALISM

- professional training
- technical support
- business support - promotion

## MyCOMPANY

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



# What

installation partners get

# What

customers get



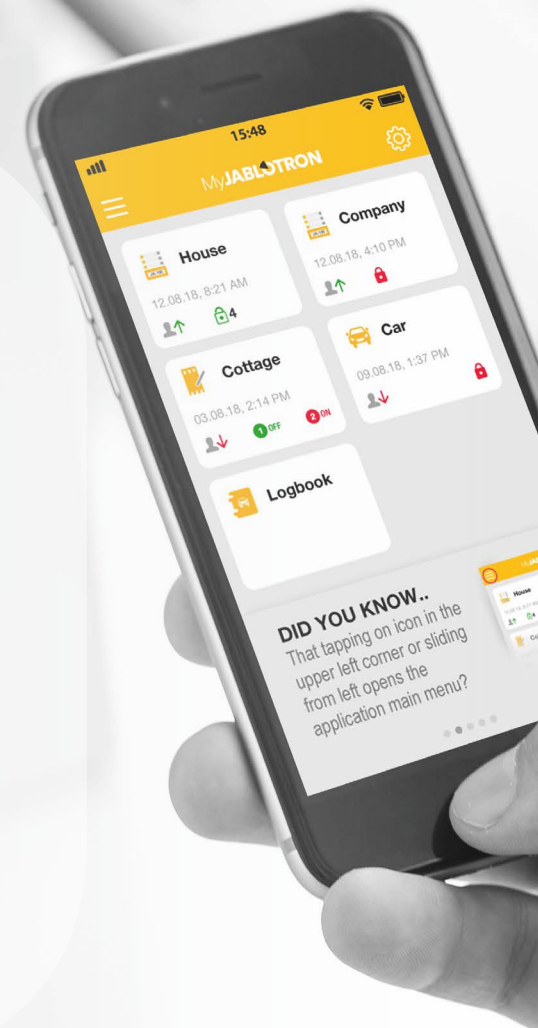
## JABLOTRON 100+ / reliable security system /

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



## MyJABLOTRON

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





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# CONTROL PANELS





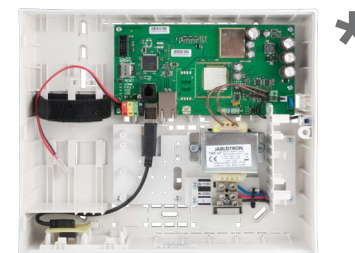
# CONTROL PANELS

## JA-100K

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

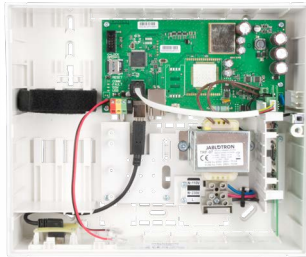


JA-100K control panels are only compatible with keypads JA-110E and JA-150E. The installation is also compatible with all JABLOTRON 100+ detectors. The installation is characteristic for its quick and simple configuration, remote access via MyCOMPANY is also a matter of fact, and end users can enjoy comfortable controls via MyJABLOTRON.



<b>Product code</b>	<b>JA-100K</b>
<b>Product name</b>	Control panel of the JA-100K security system
<b>Dimensions</b>	268 x 225 x 83 mm
<b>Number of sections</b>	4
<b>Number of users</b>	32
<b>Number of peripherals</b>	32
<b>Calendar events</b>	10
<b>Number of programmable outputs</b>	4
<b>Number of reports per user</b>	8
<b>Number of configurable ARCs</b>	4
<b>Number of bus terminal boards</b>	1
<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
<b>Radio module</b>	NO
<b>Power supply</b>	110 V / 230 V / 50 - 60 Hz
<b>Back-up battery</b>	1x SA214-2.6 - battery is not included in the product package
<b>Backup bus supply</b>	for 2.6 Ah battery for 12 hours at a maximum of 85 mA





\*

### JA-100KR

Control panel of the JA-100KR security system

268 x 225 x 83 mm

4

32

32

10

4

8

4

1

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

YES

110 V / 230 V / 50 - 60 Hz

1x SA214-2.6 - battery is not included in the product package

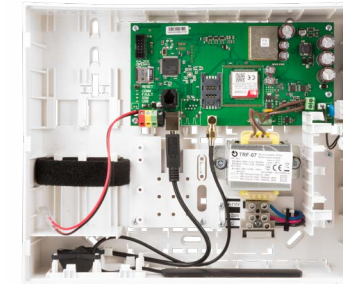
for 2.6 Ah battery for 12 hours at a maximum of 85 mA

# CONTROL PANELS

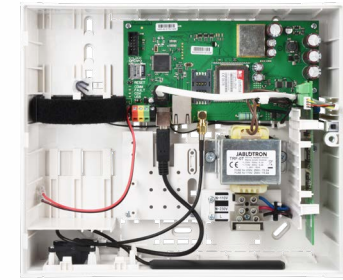
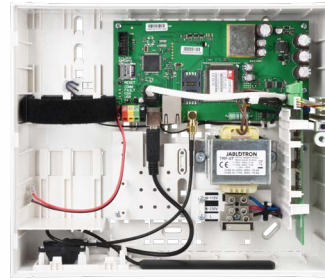
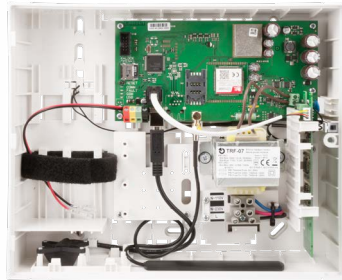
## JA-101K

The JA-101K control panels are the basis of the JABLOTRON 100+ security system. The ideal application is as a combined or wireless version for securing small and medium-size buildings - family houses, cottages or smaller companies. The wireless version is suitable for the easy protection of smaller buildings.

The basic modules are in-built GSM / GPRS communicators for voice, SMS and GPRS communication with end users or surveillance and alarm receiving centres. The control panel includes a memory card to store events, voice messages, etc. Programming is done via F-Link software. The mobile and web application allows you to remotely control the device online.



<b>Product code</b>	<b>JA-101K</b>
<b>Product name</b>	Control panel of the JA-101K security system
<b>Dimensions</b>	268 x 225 x 83 mm
<b>Number of sections</b>	8
<b>Number of users</b>	50
<b>Number of peripherals</b>	50
<b>Calendar events</b>	20
<b>Number of programmable outputs</b>	16
<b>Number of reports per user</b>	8
<b>Number of configurable ARCs</b>	4
<b>Number of bus terminal boards</b>	1
<b>Communicators</b>	built-in GSM/GPRS; PSTN can be purchased as the JA-190X module
<b>Radio module</b>	NO
<b>Power supply</b>	110 V / 230 V / 50 - 60 Hz
<b>Backup battery</b>	1x SA214-2.6 - battery is not included in the product package
<b>Backup bus supply</b>	for 2.6 Ah battery for 12 hours at maximum of 125 mA



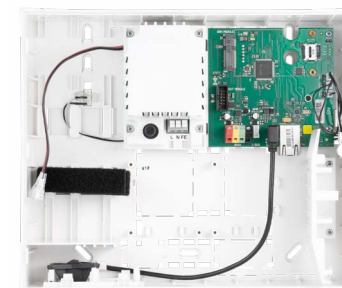
JA-101KR	JA-101KR-LAN	JA-101KR-LAN 3G
Control panel of the JA-101KR security system	Control panel of the JA-101KR-LAN security system	Control panel of the JA-101KR-LAN 3G security system
268 x 225 x 83 mm	268 x 225 x 83 mm	268 x 225 x 83 mm
8	8	8
50	50	50
50	50	50
20	20	20
16	16	16
8	8	8
4	4	4
1	1	1
built-in GSM/GPRS; PSTN can be purchased as the JA-190X module	built-in LAN,GSM/GPRS; PSTN can be purchased as the JA-190X module	built-in LAN,GSM/GPRS, 3G; ,PSTN can be purchased as the JA-190X module
YES	YES	YES
110 V / 230 V / 50 - 60 Hz	110 V / 230 V / 50 - 60 Hz	110 V / 230 V / 50 - 60 Hz
1x SA214-2.6 - battery is not included in the product package	1x SA214-2.6 - battery is not included in the product package	1x SA214-2.6 - battery is not included in the product package
for 2.6 Ah battery for 12 hours at maximum of 125 mA	for 2.6 Ah battery for 12 hours at maximum of 85 mA	for 2.6 Ah battery for 12 hours at maximum of 85 mA

# CONTROL PANELS

## JA-103K

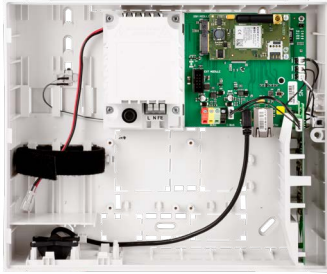
The JA-103K control panels offer wider possibilities for smart functions and home automation even for small and medium-size buildings. JA-103K control panels are programmed by an updated F-Link that brings together with its firmware new functions like maintenance mode or day/night mode that allows the system to react to the day&night time widely known as an astronomical calendar.

The control panels have in-built LAN communicators for communication with users or surveillance and alarm receiving centres. A memory card is included and is used to store events, voice messages and pictures. Control panels are configured using updated F-Link software.



<b>Product code</b>	<b>JA-103K</b>
<b>Product name</b>	Control panel with LAN communicator
<b>Dimensions</b>	268 x 225 x 83 mm
<b>Number of sections</b>	8
<b>Number of users</b>	50
<b>Number of peripherals</b>	50
<b>Calendar events</b>	20
<b>Number of programmable outputs</b>	32
<b>Number of reports per user</b>	8
<b>Number of configurable ARCs</b>	4
<b>Number of bus terminal boards</b>	1
<b>Communicators</b>	built-in LAN; GPRS/GSM can be purchased as the JA-192Y module
<b>Radio module</b>	NO
<b>Power supply</b>	110 - 230 V / 50 - 60 Hz
<b>Backup battery</b>	1x SA214-2,6 - battery is not included in the product package
<b>Backup bus supply</b>	for 2.6 Ah battery for 12 hours at maximum of 88 mA with active LAN communicator
<b>Note</b>	-





### JA-103KRY

Control panel with LAN, GSM and radio module

268 x 225 x 83 mm

8

50

50

20

32

8

4

1

built-in LAN; GSM/GPRS is included as the module JA-192Y

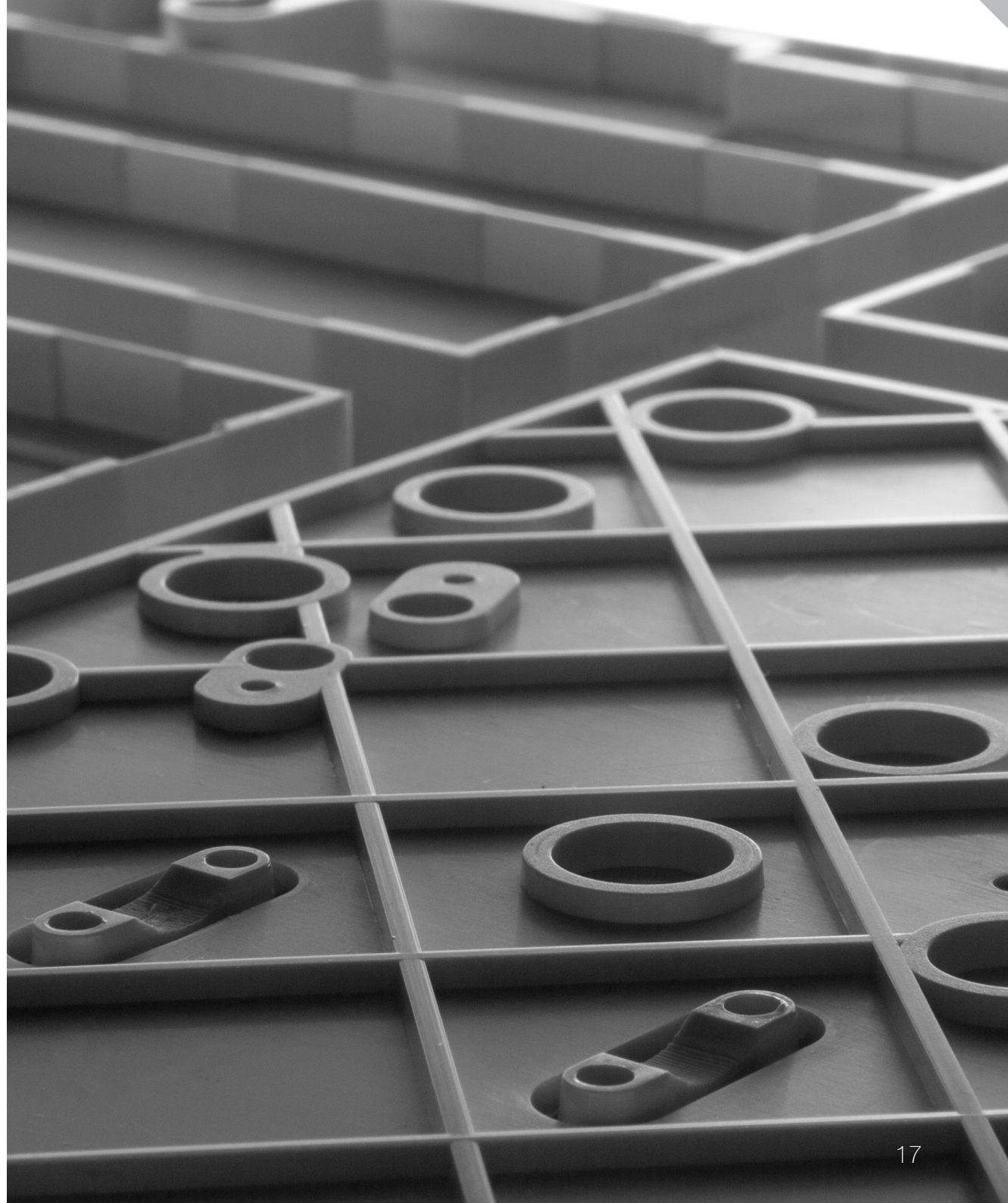
YES

110 - 230 V / 50 - 60 Hz

1x SA214-2,6 - battery is not included in the product package

for 2,6 Ah battery for 12 hours at maximum of 80 mA with active LAN communicator

JA-111R radio module is included.



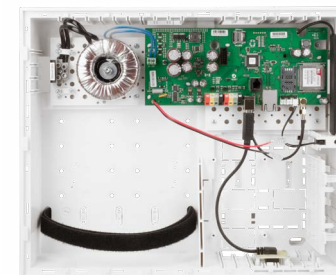


# CONTROL PANELS

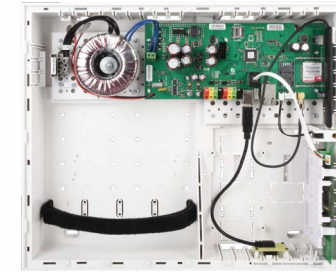
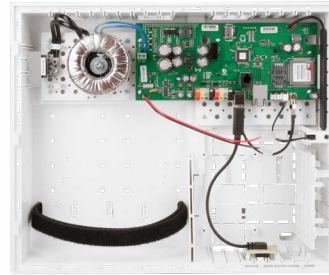
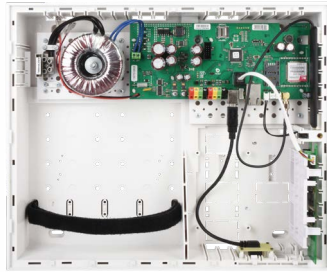
## JA-106K

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 used in a bus installation.

The control panels have in-built GSM/GPRS and LAN communicators for voice, SMS, GPRS and LAN communication with users or surveillance and alarm receiving centres. A memory card is included and is used to store events, voice messages and pictures. Control panels are configured using the F-Link software. The mobile and web applications allow you to remotely control the device online.



<b>Product code</b>	<b>JA-106K</b>
<b>Product name</b>	Control panel of the JA-106K security system
<b>Dimensions</b>	357 x 297 x 105 mm
<b>Number of sections</b>	15
<b>Number of users</b>	300
<b>Number of peripherals</b>	120
<b>Calendar events</b>	20
<b>Number of programmable outputs</b>	32
<b>Number of reports per user</b>	25
<b>Number of configurable ARCs</b>	4
<b>Number of bus terminal boards</b>	2
<b>Communicators</b>	built-in LAN,GSM/GPR; PSTN can be purchased as the JA-190X module
<b>Radio module</b>	NO
<b>Power supply</b>	230 V / 50 - 60 Hz (110 V also available)
<b>Backup battery</b>	1x SA214-18 - battery is not included in the product package
<b>Backup bus supply</b>	for 18 Ah battery for 12 hours at maximum of 1.2 A



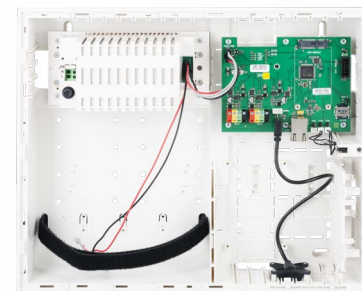
<b>JA-106KR</b>	<b>JA-106K 3G</b>	<b>JA-106KR 3G</b>
Control panel of the JA-106KR security system	Control panel of the JA-106K 3G security system	Control panel of the JA-106KR 3G security system
357 x 297 x 105 mm	357 x 297 x 105 mm	357 x 297 x 105 mm
15	15	15
300	300	300
120	120	120
20	20	20
32	32	32
25	25	25
4	4	4
2	2	2
built-in LAN,GSM/GPRS; PSTN can be purchased as the JA-190X module	built-in LAN,GSM/GPRS, 3G; PSTN can be purchased as the JA-190X module	built-in LAN, GSM/GPRS, 3G; PSTN can be purchased as the JA-190X module
YES	NO	YES
230 V / 50 - 60 Hz	230 V / 50 - 60 Hz	230 V / 50 - 60 Hz
1x SA214-18 - battery is not included in the product package	1x SA214-18 - battery is not included in the product package	1x SA214-18 - battery is not included in the product package
for 18 Ah battery for 12 hours at maximum of 1.2 A	for 18 Ah battery for 12 hours at maximum of 1.2 A	for 18 Ah battery for 12 hours at maximum of 1.2 A

# CONTROL PANELS

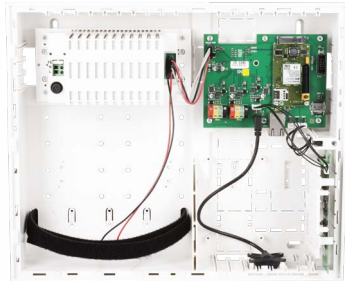
## JA-107K

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.

The control panels have in-built LAN communicators and optional GSM and radio modules for communication with users or surveillance and alarm receiving centres. A memory card is included and is used to store events, voice messages and pictures. Control panels are configured using updated F-Link software that offers easier maintenance, day/night mode or repeated calendar events. The mobile and web applications that allow you to remotely control the device online are an integral part of the solution.



<b>Product code</b>	<b>JA-107K</b>
<b>Product name</b>	Control panel with LAN communicator
<b>Dimensions</b>	357 x 297 x 105 mm
<b>Number of sections</b>	15
<b>Number of users</b>	600
<b>Number of peripherals</b>	120 wireless / up to 230 BUS
<b>Calendar events</b>	64
<b>Number of programmable outputs</b>	128
<b>Number of reports per user</b>	50
<b>Number of configurable ARCs</b>	4
<b>Number of bus terminal boards</b>	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 module
<b>Radio module</b>	NO
<b>Power supply</b>	110 - 230 V / 50 - 60 Hz
<b>Backup battery</b>	1x SA214-18 - battery is not included in the product package
<b>Backup bus supply</b>	for 18 Ah battery for 12 hours at maximum of 1.1 A with active LAN



### JA-107KRY

Control panel with LAN, GSM and radio module

357 x 297 x 105 mm

15

600

120 wireless / up to 230 BUS

64

128

50

4

2; third bus can be attached by JA-110Z-D

built-in LAN and GSM/GPRS is included as the module JA-192Y

YES

110 - 230 V / 50 - 60 Hz

1x SA214-18 - battery is not included in the product package

for 18 Ah battery for 12 hours at maximum of 1.0 A with active LAN



# SYSTEM DEVICES







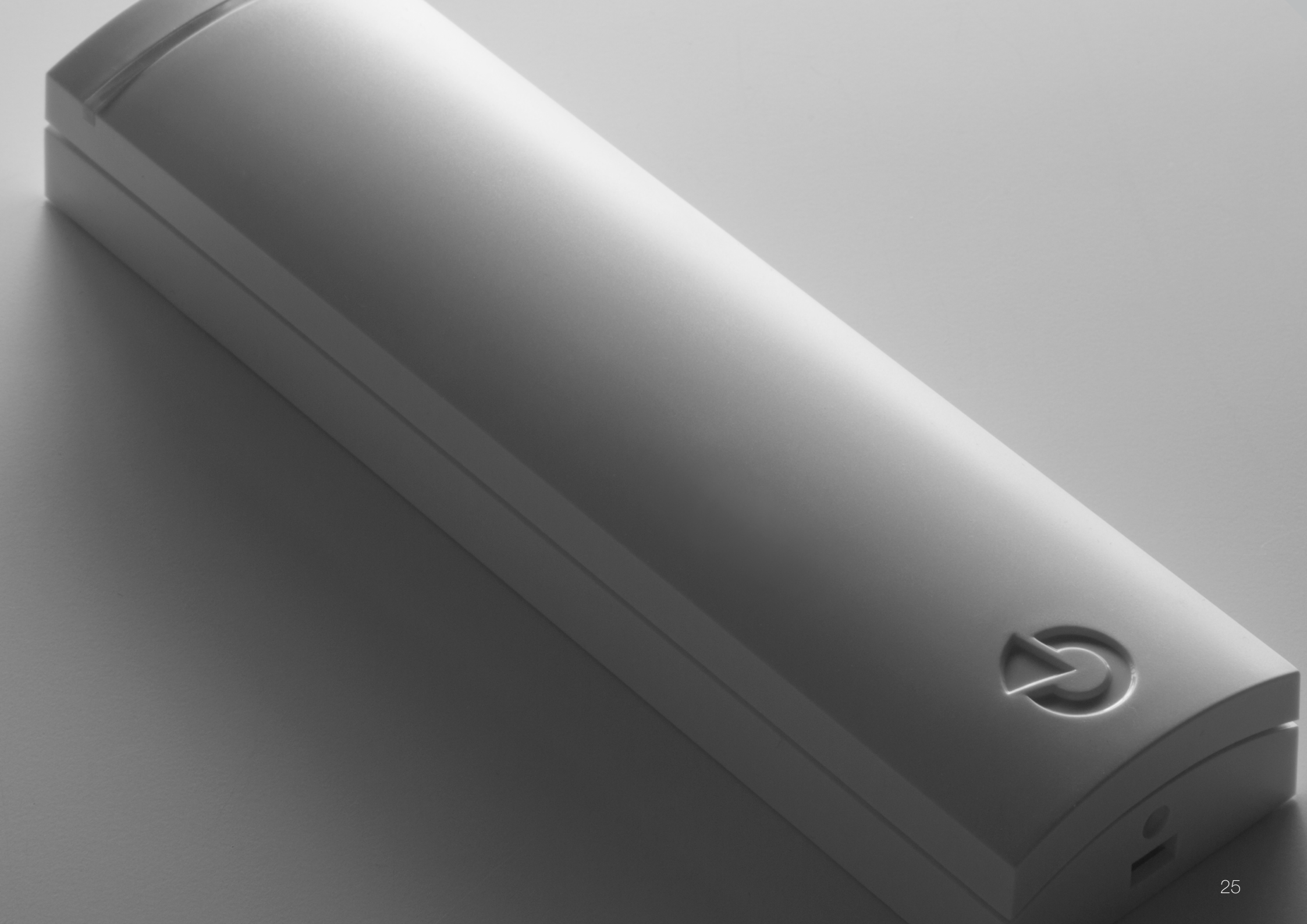


# RADIO MODULES

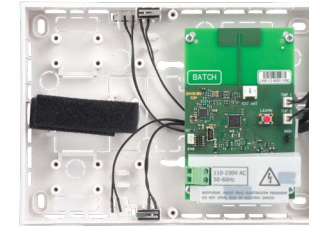
Radio modules are used to connect wireless devices to the security system. This way, a bus is not required and the whole installation can be fully wireless. To ensure perfect coverage of the supervised premises up to 3 modules can be installed in the system.




Product code	JA-111R	JA-111R 80
Product name	Bus module for wireless connection of JA-100+ devices	Bus module for wireless JA-80 unidirectional peripherals
Product type	bus 	bus 
Dimensions	43 x 160 x 23 mm	43 x 160 x 23 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus
Consumption at idle state	35 mA	35 mA
Operating frequency	868.1 MHz	868.5 MHz
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C



# SIGNAL REPEATER



<b>Product code</b>	<b>JA-150R</b>
<b>Product name</b>	One-way signal repeater for wireless devices
<b>Product type</b>	wireless 
<b>Dimensions</b>	134 x 182 x 45 mm
<b>Power supply</b>	110 - 230 V / 50 - 60 Hz
<b>Consumption at idle state</b>	0.5 W at 230 V
<b>Operating frequency</b>	868,1 MHz
<b>Operating temperature</b>	-10 °C to +40 °C
<b>Backup battery</b>	1x BAT-4V8-N900 - not included in the package
<b>Compatible antenna</b>	AN-868

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

# BACKUP COMMUNICATORS

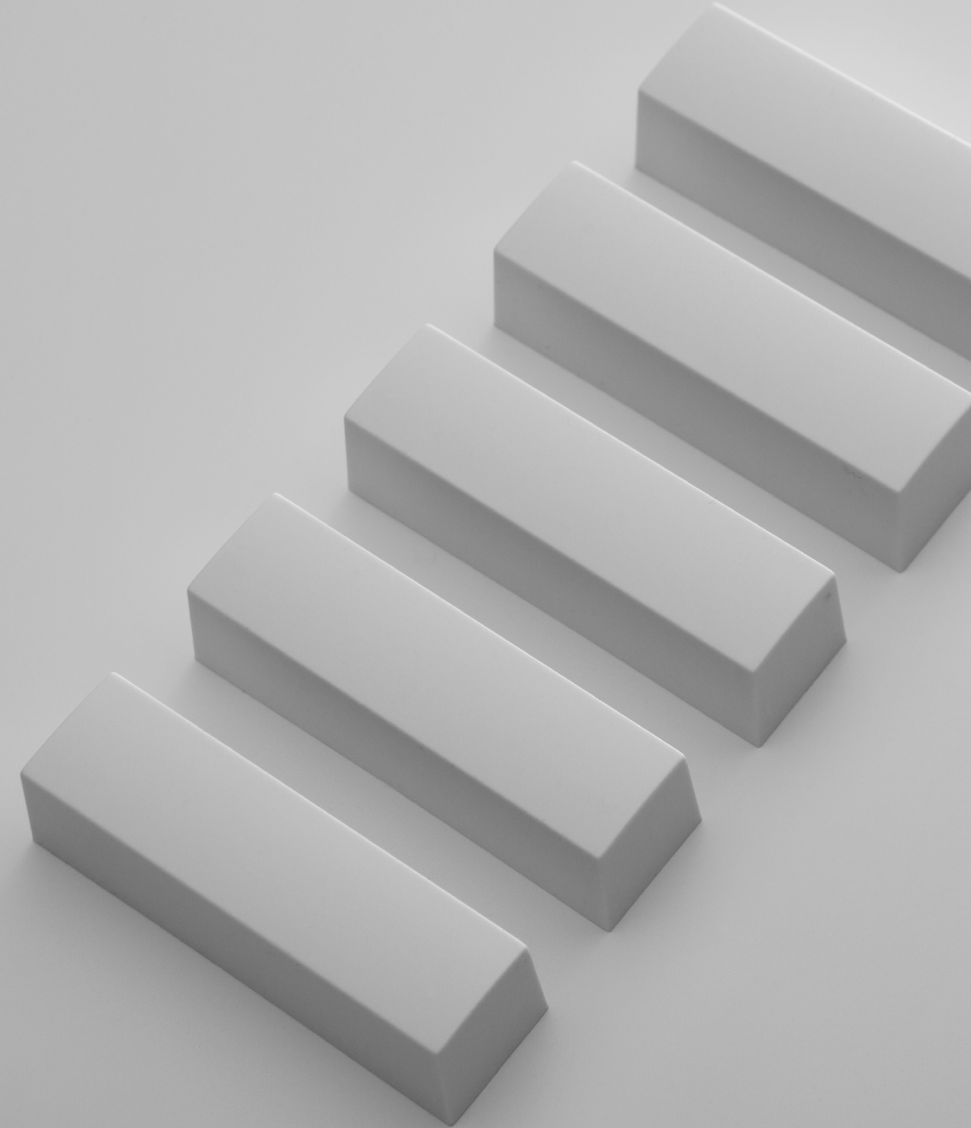


Product code	JA-190X	JA-190Y
Product name	Phone communicator module	GSM communicator module
Line failure detection	YES	-
ARC protocols	ADM-CID (DTMF), SIA-DCS (FSK)	ADM-CID (DTMF)
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C
Power supply	12 V from the control panel	12 V from the control panel
Consumption at peak	25 mA	750 mA
Consumption at idle state	10 mA	40 mA (depends on the GSM strength)
Operating band	-	QUAD-BAND, 800/900/1800/1900 MHz
Size of SIM card	-	Mini
Note	For control panels of the JA-101K and JA-106K series and their versions.	For control panels of the JA-100K serie and its versions.

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




<b>Product code</b>	<b>JA-192Y</b>
<b>Product name</b>	GSM communicator module
<b>Line failure detection</b>	-
<b>ARC protocols</b>	ADM-CID (DTMF)
<b>Operating temperature</b>	-10 °C to +40 °C
<b>Power supply</b>	12 V from the control panel
<b>Consumption at peak</b>	175 mA
<b>Consumption at idle state</b>	5 mA (depends on the GSM strength)
<b>Operating band</b>	QUAD-BAND, 800/900/1800/1900 MHz
<b>Size of SIM card</b>	Micro
<b>Note</b>	For control panels of the JA-103K and JA-107K series and their versions.





# INTERFACE




<b>Product code</b>	<b>JA-121T</b>
<b>Product name</b>	RS-485 bus interface
<b>Product type</b>	bus 
<b>Dimensions</b>	52 x 38 x 14 mm
<b>Power supply</b>	12 V from the control panel bus
<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
<b>Operating temperature</b>	-10 °C to +40 °C

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

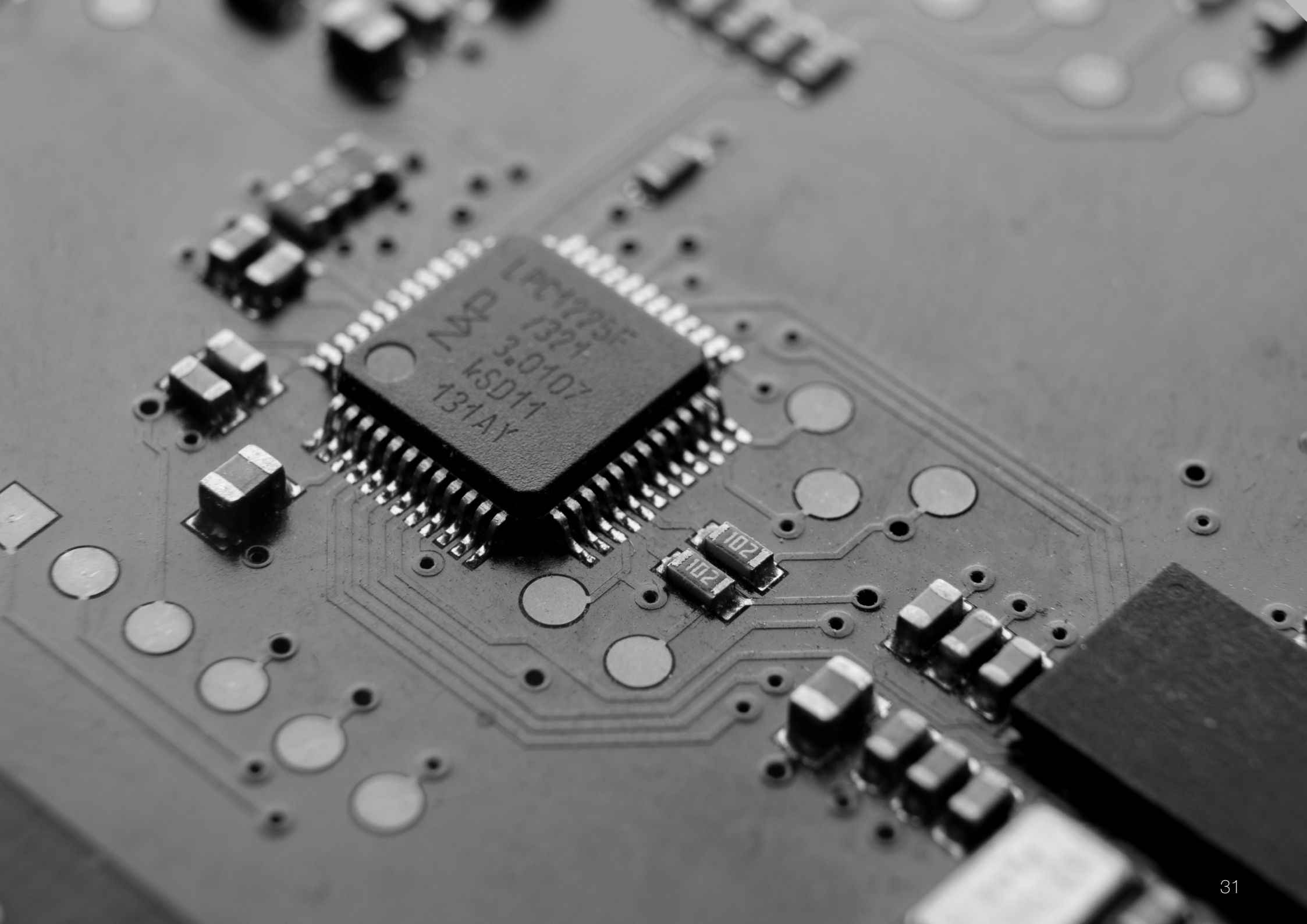
# BUS BOOSTER

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, galvanically isolated 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>Fuse</b>	T1.6 A / 250 V, 5x 20 mm
<b>Power supply</b>	12 V from the control panel
<b>Current consumption (maximum) for cable selection</b>	10 mA
<b>Output supply voltage</b>	typically 13.7 V
<b>Maximum rating</b>	2 A
<b>Rechargeable battery 12V</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





LPC1225F  
Q 1321  
3-0107  
kSD11  
131AY

102  
102

# CONTROL DEVICES







# KEYPADS AND 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. Up to 20 control segments can be connected, allowing a flexible installation size and need to control individual sections. They are equipped with easy signalling that provides an overview of the system status (sections and programmable outputs).





Product code	JA-112E	JA-113E
Product name	Bus access module with RFID reader	Bus 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
Power input if external power supply is used	-	-
Backup (idle) mode current consumption	10 mA	10 mA
Current consumption for cable selection	15 mA	20 mA
RFID operating frequency	125 kHz	125 kHz
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C
Typical service life of the batteries	-	-
Communication range	-	-
Operating frequency	-	-



JA-114E	JA-152E	JA-153E	JA-154E	JA-192E
Bus access module with a screen, a keypad and RFID reader	Wireless access module with RFID reader	Wireless module with a keypad and RFID reader	Wireless module with a screen, a keypad and RFID reader	Control segment of access modules
bus 	wireless 	wireless 	wireless 	-
102 x 128 x 33 mm	102 x 76 x 33 mm	102 x 96 x 33 mm	102 x 151 x 33 mm	102 x 15 x 33 mm
12 V from the control panel bus	2x BAT-1V5-AA - not included in the product package	2x BAT-1V5-AA - not included in the product package	4x BAT-1V5-AA - not included in the product package	from the keypad module
-	0.5 W	0.5 W	0.5 W	-
15 mA	-	-	-	0.5 mA
50 mA	-	-	-	-
125 kHz	125 kHz	125 kHz	125 kHz	-
-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C
-	1 – 2 years depending on the settings	1 – 2 years depending on the settings	1 – 2 years depending on the settings	-
-	approx. 200 m (open area)	approx. 200 m (open area)	approx. 200 m (open area)	-
-	868.1 MHz	868.1 MHz	868.1 MHz	-



<b>Product code</b>	<b>JA-110E</b>	<b>JA-150E</b>
<b>Product name</b>	Bus keypad JA-110E	Wireless keypad JA-150E
<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	2 x BAT-3V0-CR123A - not included in the product package
<b>Power input if external power supply is used</b>	-	0.5 W
<b>Backup (idle) mode current consumption</b>	30 mA	-
<b>Current consumption for cable selection</b>	110 mA	-
<b>RFID operating frequency</b>	125 kHz	125 kHz
<b>Operating temperature</b>	-10 °C to +40 °C	-10 °C to +40 °C
<b>Typical service life of the batteries</b>	-	1 – 2 years depending on the settings
<b>Communication range</b>	-	approx. 200 m (open area)
<b>Operating frequency</b>	-	868.1 MHz
<b>Note</b>	Designed for the JA-100K control panel.	Designed for the JA-100K control panel.

The JA-110E and JA-150E keyboards are intended for JA-100K series control panels. The keypad includes an LCD display, control buttons, RFID reader and 4 function keys for section control and 4 programmable outputs.







# KEYPAD AND ACCESS MODULES

external





Product code	JA-122E	JA-123E
Product name	Bus outdoor RFID reader	Bus outdoor keypad with RFID reader
Product type	bus 	bus 
Dimensions	46 x 152 x 23 mm	46 x 152 x 23 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus
Backup (idle) mode current consumption	15 mA	15 mA
Current consumption for cable selection	15 mA	15 mA
RFID operating frequency	125 kHz	125 kHz
Operating temperature	-25 °C to +60 °C	-25 °C to +60 °C
Ingress protection class	IP 65	IP 65

External keypad, resistant to weather conditions.






## EMERGENCY DEVICES



Product code	JA-112J	JA-187J
Product name	Bus emergency or control wall-mounted button	Wireless portable activation button
Product type	bus 	wireless 
Dimensions	80 x 80 x 29 mm	42 x 46 mm + band
Power supply	12 V from the control panel bus	1x BAT-3V0-CR2032
Consumption at idle state	5 mA	-
Operating temperature range	10 °C to +40 °C	-25 °C to +50 °C
Typical service life of the batteries	-	about 3 years (with 1 activation a day)
Communication range	-	about 50 m (open area)
Operating frequency	-	868.1 MHz

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). The buttons can be both portable and fixed. Portable buttons are suitable to call help - as a personal emergency alert.





Product code	JA-159J	JA-188J	JA-189J
Product name	Wireless wall-mounted button	Wireless wall-mounted button	Wireless wall-mounted button
Product type	wireless 	wireless 	wireless 
Dimensions	70 x 30 x 20 mm   77 x 47 x 28 mm including the roof cover	80 x 80 x 29 mm	80 x 28 x 16 mm
Power supply	2x BAT-3V0-CR2032	1x BAT-3V6-1/2AA-LS	1x BAT-6
Consumption at idle state	-	-	-
Operating temperature range	-25 °C to +60 °C	-10 °C to +40 °C	-25 °C to +50 °C
Typical service life of the batteries	about 5 years (external environment at 3 activations a day)	about 3 years (with 20 activations a day)	about 2 years (external environment at 3 activations a day)
Communication range	about 300 m (open area)	about 300 m (open area)	about 50 m (open area)
Operating frequency	868.1 MHz	868.1 MHz	868.1 MHz





## 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.g., they confirm the action by an optical and acoustic response.






Product code	JA-152J MS	JA-154J MS
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
Operating temperature range	-10 °C to +40 °C	-10 °C to +40 °C
Typical service life of the batteries	about 2 years (with 10 activations a day)	about 2 years (with 10 activations a day)
Communication range	about 100 m (open area)	about 100 m (open area)
Operating frequency	868.1 MHz	868.1 MHz
Note	Can be enrolled to AC-160-C and AC-160-DIN.	Can be enrolled to AC-160-C and AC-160-DIN.



Product code	JA-155J	JA-162J	JA-164J	JA-182J
Product name	Transmitter for a car	One-way two-button remote control	One-way four-button remote control	Wireless remote control
Product type	wireless 	wireless 	wireless 	wireless 
Dimensions	84 x 53 x 25 mm	63 x 36 x 15 mm	77 x 36 x 15 mm	60 x 30 x 13 mm
Power supply	12 - 24 V	1x BAT-3V0-2032	1x BAT-3V0-2032	1x BAT-3V0-2032
Operating temperature range	-40 °C to +85 °C	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C
Typical service life of the batteries	-	about 2 years (with 10 activations a day)	about 2 years (with 10 activations a day)	about 2 years (with 5 activations a day)
Communication range	about 300 m (open area)	approx. 100 m (open area)	approx. 100 m (open area)	about 30 m (open area)
Operating frequency	868.1 MHz	868.1 MHz	868.1 MHz	868.1 MHz
Note	Can be enrolled to AC-160-C and AC-160-DIN.	Can be enrolled to AC-160-C and AC-160-DIN.	Can be enrolled to AC-160-C and AC-160-DIN.	-



JA-186JK	JA-186JW	JA-185J
Wireless remote control	Wireless remote control	Transmitter for a car
wireless 	wireless 	wireless 
70 x 34 x 18 mm	70 x 34 x 18 mm	84 x 53 x 25 mm
1x BAT-6	1x BAT-6	12 - 24 V
-10 °C to +40 °C	-10 °C to +40 °C	-40 °C to +85 °C
about 2 years (with 5 activations a day)	about 2 years (with 5 activations a day)	-
about 30 m (open area)	about 30 m (open area)	about 50 m (open area)
868.1 MHz	868.1 MHz	868.1 MHz
-	-	-



# 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>	<b>JA-190J</b>	<b>JA-192J</b>
<b>Product name</b>	Wireless RFID access card	RFID entry key tag
<b>Communication standard</b>	Jablotron 125 kHz	Jablotron 125 kHz
<b>Enrollment method</b>	via keypad by scanning or using the JA-190T reader	via keypad by scanning or using the JA-190T reader



<b>Product code</b>	<b>JA-194J-RE</b>	<b>JA-194J-BK</b>
<b>Product name</b>	RFID leather key tag	RFID leather key tag
<b>Communication standard</b>	Jablotron 125 kHz	Jablotron 125 kHz
<b>Enrollment method</b>	via keypad by scanning or using the JA-190T reader	via keypad by scanning or using the JA-190T reader



<b>Product code</b>	<b>PC-14-BK</b>	<b>PC-14-RE</b>
<b>Product name</b>	RFID leather key tag	RFID leather key tag
<b>Communication standard</b>	EM 125 kHz	EM 125 kHz
<b>Enrollment method</b>	via keypad by scanning or using the JA-190T reader	via keypad by scanning or using the JA-190T reader



<b>Product code</b>	<b>JA-195J</b>
<b>Product name</b>	RFID entry key tag
<b>Communication standard</b>	Jablotron 125 kHz
<b>Enrollment method</b>	via keypad by scanning or using the JA-190T reader





# DETECTORS







# DETECTORS

## MOTION






### 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.







Product code	JA-110P	JA-110P PET
Product name	Bus PIR motion detector	Bus PIR motion detector with basic pet immunity
Product type	bus 	bus 
Dimensions	60 x 95 x 55 mm	60 x 95 x 55 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus
Operating frequency	-	-
Communication range	-	-
Battery service life	-	-
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)
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C
Note	-	Pet immunity up to approx. 25 kg and a maximum height of 40 cm.

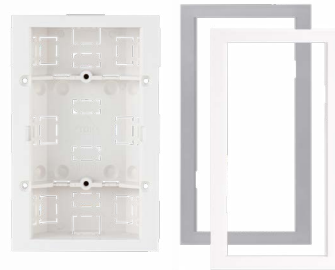
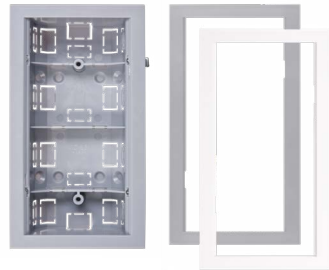
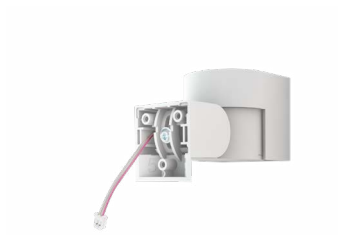


JA-111P-WW / JA-111P-WG	JA-112P / JA-112P (G)	JA-115P	JA-150P	JA-150P PET
Bus PIR motion detector with a white/grey lens	Bus PIR motion detector	Bus ceiling PIR motion detector	Wireless PIR motion detector	Wireless PIR motion detector with basic pet immunity
bus 	bus 	bus 	wireless 	wireless 
62 x 90 x 37 mm	62 x 110 x 40 mm	ø 125 x 40 mm	60 x 95 x 55 mm	60 x 95 x 55 mm
12 V from the control panel bus	12 V from the control panel bus	12 V from the control panel bus	2x BAT-1V5-AA - not included in the product package	2x BAT-1V5-AA - not included in the product package
-	-	-	868.1 MHz	868.1 MHz
-	-	-	about 300 m (open area)	about 300 m (open area)
-	-	-	approx. 2 years (longest in the Smart Watch mode)	approx. 2 years (longest in the Smart Watch mode)
2.5 mA	3 mA	3 mA	-	-
10 mA	11 mA	30 mA	-	-
2.5 m above the floor level	2.2 -2.5 m above the floor level	2.5 - 3.5 m above the floor level	2.5 m above the floor level	2 m above the floor level
90° / 12 m	90° / 12 m	360° / Ø 11 m (in height of 3.5 m)	110° / 12 m (with standard lens)	90° / 12 m   90° / 7 m (pet immunity)
-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C
Detectors with a grey lens have an increased resistance towards white light (up to 10.000 lux).	Detectors with a grey lens have an increased resistance towards white light (up to 10.000 lux).	Accessories - universal ceiling circular spacer PLV-P-ST.	-	Pet immunity up to approx. 25 kg and a maximum height of 40 cm.





Product code	JA-151P-WW / JA-151P-WG	JA-152P / JA-152P (G)	JA-155P	JA-185P
Product name	Bus PIR motion detector with a white/grey lens	Wireless PIR motion detector	Wireless ceiling PIR motion detector	Wireless PIR motion detector
Product type	wireless 	wireless 	wireless 	wireless 
Dimensions	62 x 130 x 38 mm	62 x 110 x 40 mm	ø 125 x 40 mm	46 x 88 x 27 mm
Power supply	2x BAT-1V5-AA - not included in the product package	1x BAT-3V0-CR123A - not included in the product package	up to 2x BAT-3V0-CR123A - not included in the product package	1x BAT-3V6-AA-LS - not included in the package
Operating frequency	868.1 MHz	868.1 MHz	868.1 MHz	868.1 MHz
Communication range	about 300 m (open area)	about 300 m (open area)	about 300 m (open area)	about 100 m (open area)
Battery service life	approx. 2 years (longest in the Smart Watch mode)	approx. 4 years (longest in the Smart Watch mode)	approx. 2 years with 1x BAT-3V0-CR123A   approx. 4 years with 2x BAT-3V0-CR123A	about 3 years (sensor sleep 5 minutes)
Backup (idle) mode current consumption	-	-	-	-
Current consumption for cable selection	-	-	-	-
Mounting height	2.5 m above the floor level	2.2 - 2.5 m above the floor level	2.5 - 3.5 m above the floor level	up to 4 m
Detection angle	90° / 12 m	90° / 12 m	360° / Ø 11 m (in height of 3.5 m)	360° / Ø 10m (in height of 4 m)
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C
Note	Detectors with a grey lens have an increased resistance towards white light (up to 10.000 lux).	Detectors with a grey lens have an increased resistance towards white light (up to 10.000 lux).	Accessories - universal ceiling circular spacer PLV-P-ST.	Can be connected to a CA-2103 car alarm.



JA-191PL	JA-193PL	JA-196PL-S
Articulated holder for PIR detectors of the JA-1x1P type	Wall holder for PIR detectors of the JA-1x1P type	Wall holder for PIR detectors of the JA-1x2P type
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
For PIR detectors of the JA-1x1P and JA-1x2P types.	For PIR detectors of the JA-1x1P type in the following variants: JA-193PL-BOX-S, JA-193PL-F-S-G, JA-193PL-F-S-W, JA-193PL-BOX-M, JA-193PL-F-M-G, JA-193PL-F-M-W.	For PIR detectors of the JA-1x2P type.





# DETECTORS

## MOTION

### external



Product code	JA-157P	JA-158P
Product name	Wireless outdoor two-zone PIR detector - screen	Wireless outdoor 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
Operating frequency	868.1 MHz	868.1 MHz
Communication range	about 300 m (open area)	about 300 m (open area)
Battery service life	approx. 3 years (battery-saving mode 120s)	approx. 3 years (battery-saving mode 120s)
Mounting height	0.8 - 1.2 m	2.5 - 3.0 m
Detection angle	5° / 2 or 5 m	85° / 12 m
Operating temperature	-20 °C to +60 °C	-20 °C to +60 °C

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






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### JA-159P

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Wireless outdoor motion detector

---

wireless 

---

71 x 186 x 105 mm

---

2x BAT-3V0-CR123A  
- not included in the package

---

868.1 MHz

---

about 300 m (open area)

---

approx. 3 years  
(battery-saving mode 120s)

---

0.8 - 1.2 m

---

90° / 12 m

---

-20 °C to +60 °C

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# DETECTORS




## MOTION combined and dual

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



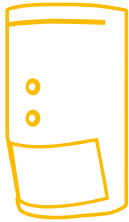
Product code	JA-120PW	JA-120PB
Product name	Bus combined PIR and MW motion detector	Bus PIR motion and glass break detector
Product type	bus 	bus 
Dimensions	60 x 95 x 55 mm	60 x 95 x 55 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus
Battery service life	-	-
Backup (idle) mode current consumption	5 mA	5 mA
Current consumption for cable selection	25 mA	5 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	-
MW detection angle - 8 x 7 m room	90° / 15 m	-
Detection range of glass break	-	9 m (glass at least 60 x 60 mm)
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C



Product code	JA-180PB	JA-180W	JA-186P
Product name	Wireless PIR motion and glass break detector	Wireless combined PIR and MW motion detector	Wireless two-zone PIR motion detector
Product type	wireless 	wireless 	wireless 
Dimensions	60 x 110 x 55 mm	60 x 110 x 51 mm	60 x 180 x 55 mm
Power supply	PIR: 1x BAT-3V6-AA-LS - not included in the package GBS: 1x BAT-3V6-1/2AA-LS - not included in the package	1x BAT-3V6-AA-LS - not included in the package	1x BAT-3V6-AA-LS - not included in the package
Operating frequency	868.1 MHz	868.1 MHz	868.1 MHz
Communication range	about 300 m (open area)	about 300 m (open area)	about 300 m (open area)
Battery service life	about 3 years (sensor sleep 5 minutes)	about 2 years (switch no. 3 in NORM position )	about 3 years (sensor sleep 5 minutes)
Mounting height	2.5 m above the floor level	2.5 m above the floor level	1.2 m above the floor level
Detection angle / range	110° / 12 m (with standard lens)	110° / 12 m (with standard lens)	120° / 12 m (with standard lens)
MW detection angle - open space	-	24° / 12 m	-
MW detection angle - 8 x 7 m room	-	90° / 15 m	-
Detection range of glass fracture	9 m (glass at least 60 x 60 mm)	-	-
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C

# VERIFICATION

## verification levels



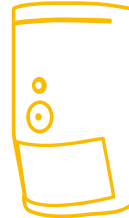
### BASIC LEVEL

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.





# DETECTORS

## MOTION

### Verification



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



Product code	JA-120PC	JA-120PC (90)
Product name	Bus PIR motion detector with a camera	Bus PIR motion detector with a 90° 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
Operating frequency	-	-
Communication range	-	-
Battery service life	-	-
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)
PIR detection angle of the camera	43°	90°
Resolution	LQ 320*240   HQ 640*480 px	LQ 320*240 px   HQ 640*480 px
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C
Memory card	microSD	microSD





JA-160PC	JA-160PC (90)
Wireless PIR motion detector with a camera	Wireless PIR motion detector with a 90° camera
wireless 	wireless 
60 x 110 x 55 mm	60 x 110 x 55 mm
2x BAT-1V5-AA - not included in the product package	2x BAT-1V5-AA - not included in the product package
868.1 MHz	868.1 MHz
about 300 m (open area)	about 300 m (open area)
2 years (1 activation/photoseries a day)	2 years (1 activation/photoseries a day)
-	-
-	-
2.5 m above the floor level	2.5 m above the floor level
55° / 12 m (standard lens)	90° / 12 m (standard lens)
43°	90°
LQ 320*240 px   HQ 640*480 px	LQ 320*240 px   HQ 640*480 px
-10 °C to +40 °C	-10 °C to +40 °C
microSD	microSD





## 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
Backup (idle) mode current consumption	200 mA (during the day)	200 mA (during the day)
Current consumption for cable selection	350 mA (at night with IR light)	350 mA (at night with IR light)
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
Operating temperature	-30 °C to +60 °C	-30 °C to +60 °C
Memory card	NO	NO

## VIDEO- VERIFICATION IP CAMERA ACCESSORIES

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



<b>Product code</b>	<b>JI-114Z</b>	<b>JI-118Z</b>
<b>Product name</b>	PoE Switch - 4 ports	PoE Switch - 8 ports
<b>Dimensions</b>	132 x 94 x 28 mm	235 x 103 x 27 mm
<b>Power supply</b>	51 V DC, 1.25 A	51 V DC, 2.5 A
<b>PoE port</b>	4, 10 / 100 Mbps RJ45 ports	8, 10 / 100 Mbps RJ45 ports
<b>Uplink port</b>	1, 100M Ethernet port	1, 100M Ethernet port
<b>Network protocol</b>	IEEE802.3, 802.3u, 802.3x, 802.3af, 802.3at	IEEE802.3, 802.3u, 802.3x, 802.3af, 802.3at
<b>Switching capacity</b>	1 Gbps	1.8 Gbps
<b>Max. Forwarding rate</b>	0.74 Mpps	1.34 Mpps
<b>PoE power budget</b>	58 W	123 W
<b>PoE working mode</b>	Extend On: 250m, 10M, CAT 5e Extend Off: 100m	Extend On: 250m, 10M, CAT 5e Extend Off: 100m
<b>Operating temperature</b>	0 °C to 40 °C	0 °C to 40 °C



# DETECTORS

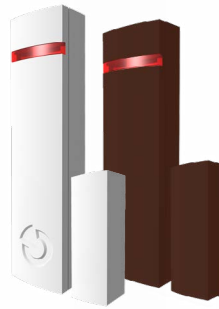
## BUILDING PERIMETER






### 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.




Product code	JA-110M	JA-111M / JA-111MB
Product name	Magnetic detector bus connection module (2 inputs)	Bus magnetic detector - mini
Product type	bus 	bus 
Dimensions	40 x 100 x 24 mm	27 x 55 x 16 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus
Battery service life	-	-
Operating frequency	-	-
Communication range	-	-
Backup (idle) mode current consumption	5 mA	5 mA
Current consumption for cable selection	5 mA	5 mA
Maximum length of the connection cable	3 m	-
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C
Note	-	Version JA-111MB in brown plastic housing.



JA-112M	JA-150M / JA-150MB	JA-151M / JA-151MB	JA-152M	JA-182M
Bus module for magnetic detectors - 2 inputs	Wireless magnetic detector with two universal inputs	Wireless magnetic detector - mini	Wireless hidden magnetic detector	Wireless opening detector - magnetic
bus 	wireless 	wireless 	wireless 	wireless 
44 x 110 x 26 mm	24 x 109 x 22 mm	26 x 55 x 16 mm	24 x 191 x 7 mm	25 x 192 x 9 mm
12 V from the control panel bus	1x BAT-1V5-AA - not included in the product package	1x BAT-3V0-CR2032 - not included in the package	2x BAT-3V0-CR2032 - not included in the package	2x BAT-3V0-CR2354 - not included in the package
-	about 2 years	about 2 years (max. 20 activations a day)	approx. 2 years	about 3 years (max. 5 activations a day)
-	868.1 MHz	868.1 MHz	868.1 MHz	868.1 MHz
-	about 300 m (open area)	about 200 m (open area)	about 300 m (open area)	about 200 m (open area)
5 mA	-	-	-	-
10 mA	-	-	-	-
3 m	3 m	-	-	-
-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C	-20 °C to +60 °C	-10 °C to +40 °C
-	Version JA-150MB in brown plastic housing.	Version JA-151MB in brown plastic housing.	-	-



<b>Product code</b>	<b>JA-152NM</b>	<b>013-U14K</b>
<b>Product name</b>	Wireless handle lock with a magnetic detector	Window handle
<b>Product type</b>	wireless 	-
<b>Dimensions</b>	34 x 229 x 18 mm	-
<b>Power supply</b>	2x BAT-1V5-AA - not included in the product package	-
<b>Battery service life</b>	about 2 years (1x locking / unlocking per day)	-
<b>Operating frequency</b>	868.1 MHz	-
<b>Communication range</b>	about 300 m (open area)	-
<b>Backup (idle) mode current consumption</b>	-	-
<b>Current consumption for cable selection</b>	-	-
<b>Maximum length of the connection cable</b>	-	-
<b>Operating temperature</b>	-20 °C to +60 °C	-
<b>Note</b>	-	Accessory for JA-152NM.



# DETECTORS



BUILDING

PERIMETER

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	Bus shock or tilt detector	Wireless 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
Battery service life	-	about 2 years
Operating frequency	-	868.1 MHz
Communication range	-	about 300 m (open area)
Backup (idle) mode current consumption	5 mA	-
Current consumption for cable selection	5 mA	-
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C
Detected tilt	10° - 45°	10° - 45°

# DETECTORS

## BUILDING PERIMETER 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	Bus acoustic glass break detector	Wireless 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
Battery service life	-	about 3 years
Operating frequency	-	868.1 MHz
Communication range	-	about 300 m (open area)
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	up to 9 m	up to 9 m
Minimum area of the window pane	0.6 x 0.6 m	0.6 x 0.6 m
Stabilization time after activation	max. 60 s	max. 60 s
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C



# DETECTORS

## EXTERIOR



Product code	JA-150IR	JA-151IR
Product name	Wireless optical screen	Wireless optical screen - four beams
Product type	wireless 	wireless 
Dimensions	88 x 217 x 162 mm	83 x 452 x 138 mm
Power supply	4 pcs BAT-3V6-R20 - not included in the product package	4 pcs (8 pcs) BAT-3V6-R20 - not included in the product package
Battery service life	approx. 3 years (battery-saving mode 120s)	approx. 3 years (approx. 6 years) (battery-saving mode 120s)
Operating frequency	868.1 MHz	868.1 MHz
Communication range	about 300 m (open area)	about 300 m (open area)
Distance	max. 60 m	max. 100 m
Mounting height	0.7 - 1.0 m	0.7 - 1.0 m
Operating temperature	-20 °C to +60 °C	-20 °C to +60 °C

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.

# DETECTORS

## ENVIRONMENTAL



### 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
Product name	Bus temperature detector	Wireless 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	-	about 2 years
Operating frequency	-	868.1 MHz
Communication range	-	about 200 m (open area)
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
Range of measured temperatures of the external sensor (JB-TS-PT1000)	-	-
Operating temperature	-20 °C to +70 °C	-20 °C to +70 °C



JB-EXT-TH-B	JB-EXT-TH-R	JA-110TP	JA-150TP
Bus outdoor thermometer	Wireless outdoor thermometer	Bus indoor thermostat	Wireless indoor thermostat
bus 	wireless 	bus 	wireless 
90 x 110 x 35 mm	90 x 110 x 35 mm	66 x 90 x 22 mm	66 x 90 x 22 mm
12 V from the control panel bus	1 pc (2 pcs) BAT-3V0-CR123A - not included in the product package	12 V from the control panel bus	2 pcs BAT-1V5-AA - not included in the product package
-	with 1 pc BAT-3V0-CR123A internal 5 years / external 2 years with 2 pcs BAT-3V0-CR123A internal 10 years / external 4 years	-	about 2 years
-	868.1 MHz	-	868.1 MHz
-	about 200 m (open area)	-	about 300 m (open area)
1 mA	-	1.5 mA	-
25 mA	-	1.5 mA	-
-25 °C to +60 °C	-25 °C to +60 °C	-10 °C to +70 °C	-10 °C to +70 °C
-50 °C to +200 °C	-50 °C to +200 °C	-	-
-40 °C to +70 °C	-40 °C to +70 °C	-10 °C to +70 °C	-10 °C to +70 °C



<b>Product code</b>	<b>JB-TS-PT1000</b>
<b>Product name</b>	Temperature sensor for external thermometer
<b>Connection of the temperature sensor</b>	double-cable
<b>Measuring range</b>	-50 °C to +200 °C
<b>Power supply</b>	from the external thermometer
<b>Ingress protection class of the sensor</b>	IP 68
<b>Housing diameter</b>	4.6 mm
<b>Housing length</b>	24 mm
<b>Supply cable type</b>	silicon, unsheathed, 2 x 0.22 mm <sup>2</sup>
<b>Length of the supply cable</b>	3 m
<b>Resistance of supply power cables</b>	0.162 Ω / 1 m at 25 °C
<b>Resistance to external pressure</b>	2.5 MPa
<b>Weight</b>	30 g for a length of 1 m
<b>Note</b>	For external thermometers JB-EXT-TH-B   JB-EXT-TH-R.





# DETECTORS

## ENVIRONMENTAL




### 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
Product name	Bus combined smoke and heat detector	Bus combined smoke and heat detector
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 3 pcs BAT-1V5-AA- not included in the product package
Battery service life	-	about 3 years
Operating frequency	-	-
Communication range	-	-
Backup (idle) mode current consumption	5 mA	5 mA
Current consumption for cable selection	40 mA	150 mA
Smoke detection	optical diffusion of light	optical diffusion of light
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-111ST-A	JA-150ST	JA-151ST	JA-151ST-A
<b>Product name</b>	Bus combined smoke and heat detector with an internal siren function	Wireless combined smoke and temperature detector	Wireless combined smoke and temperature detector	Wireless combined smoke and heat detector with an internal siren function
<b>Product type</b>	bus 	wireless 	wireless 	wireless 
<b>Dimensions</b>	Ø 126 x 50 mm	Ø 126 x 50 mm	Ø 126 x 50 mm	Ø 126 x 50 mm
<b>Power supply</b>	12 V from the control panel bus 3 pcs BAT-1V5-AA - not included in the product package	3 pcs BAT-1V5-AA - not included in the product package	3 pcs BAT-1V5-AA - not included in the product package	3 pcs BAT-1V5-AA - not included in the product package
<b>Battery service life</b>	about 3 years	about 3 years	about 3 years	about 3 years
<b>Operating frequency</b>	-	868.1 MHz	868.1 MHz	868.1 MHz
<b>Communication range</b>	-	about 300 m (open area)	about 300 m (open area)	about 300 m (open area)
<b>Backup (idle) mode current consumption</b>	5 mA	-	-	-
<b>Current consumption for cable selection</b>	150 mA	-	-	-
<b>Smoke detection</b>	optical diffusion of light	optical diffusion of light	optical diffusion of light	optical diffusion of light
<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	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 A1, A2 in accordance with EN 54-5	class A2 in accordance with EN 54-5	class A1 in accordance with EN 54-5	class A1 in accordance with EN 54-5
<b>Operating temperature   Alarm temperature</b>	-10 °C to +70 °C   +60 °C to +65 °C	-10 °C to +80 °C   +60 °C to +70 °C	-10 °C to +70 °C   +60 °C to +65 °C	-10 °C to +70 °C   +60 °C to +65 °C
<b>Note</b>	Contains a siren - can be used to signal alarms from other detectors (EN 14604). Accessory - PLV-P-ST universal circular ceiling spacer.	Accessory - PLV-P-ST universal circular ceiling spacer.	Contains a siren (EN 14604). Accessory - PLV-P-ST universal circular ceiling spacer.	Contains a siren - can be used to signal alarms from other detectors (EN 14604). Accessory - PLV-P-ST universal circular ceiling spacer.



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**PLV-P-ST**

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Universal ceiling circular spacer

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For the full range of JA-1x5P, JA-1x0ST  
and JA-1x1ST detectors.

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# DETECTORS

## ENVIRONMENTAL gas leak

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

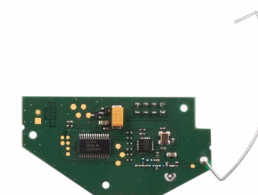




<b>Product code</b>	<b>Ei208(D)W</b>	<b>GS-133</b>
<b>Product name</b>	Autonomous CO gas detector (with screen)	Detector of flammable gases
<b>Product type</b>	autonomous	autonomous
<b>Dimensions</b>	120 x 105 x 40 mm	110 x 164 x 53 mm
<b>Power supply</b>	Integrated non-replaceable lithium battery	12 V DC
<b>Battery service life</b>	10 years (expiration is indicated on the label) 8 years for JA-150G-CO	-
<b>Relay output</b>	-	24 V / 2 A (optional reaction at the 1st or 2nd level)
<b>Reaction time</b>	-	max. 20 s
<b>Backup (idle) mode consumption / when relay is activated</b>	-	100 mA / 150 mA
<b>Operating temperature</b>	+0 °C to +40 °C	-10 °C to +40 °C
<b>Acoustic indication</b>	85 dB	94 dB
<b>Ingress protection class</b>	-	IP 30
<b>Service life of the device</b>	max. 10 years	min. 5 years
<b>Note</b>	Optical indication via a signal lamp, for type Ei208DW, also on the screen.	Can be connected to the bus using the JA-111H module.

# DETECTORS

## ENVIRONMENTAL

### gas leak - modules



Product code	JA-110G-CO	JA-150G-CO
Product name	Bus module for connection of an Ei208(D)W CO detector	Wireless module for connection of an Ei208(D)W CO detector
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
Battery service life	-	see Ei208(D)W
Operating frequency	-	868.1 MHz
Communication range	-	about 300 m (open area)
Backup (idle) mode current consumption	5 mA	-
Current consumption for cable selection	5 mA	-
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C


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.

# DETECTORS

## ENVIRONMENTAL

### flood detector



Product code	JA-110F	LD-81
Product name	Bus 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	directly from the JA-150M wireless detector
Backup (idle) mode current consumption	5 mA	-
Current consumption for cable selection	5 mA	-
Max. cable length	2.5 m	2.5 m (cannot be extended)
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C
Note	-	In the case of connection to a JA-150M, it is possible to install it directly into wireless installations.

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.



# 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 bus siren	Internal bus siren
Product type	bus 	bus 
Dimensions	80 x 80 x 28 mm	80 x 80 x 28 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus
Backup battery	-	-
Operating frequency	-	-
Communication range	-	-
Battery service life	-	-
Backup time	-	-
Battery recharging	-	-
Backup (idle) mode current consumption	5 mA	5 mA
Current consumption for cable selection	30 mA	120 mA
Siren	piezoelectric, 85 dB/m	piezoelectric, 100 dB/1m
Operating temperature	-10 °C to +40 °C	-10 °C až +40 °C
Note	-	-





JA-150A II	JA-152A	JA-162A
Internal wireless siren	Internal wireless siren for an AC socket	Internal wireless siren
wireless 	wireless 	wireless 
80 x 80 x 35 mm	90 x 70 x 45 mm	90 x 64 x 80 mm
110 - 230 V / 0,6 W, protection class II	230 V AC, 50 Hz, protection class II	230 V / 0.3 W, protection class II
3.2 V / 400 mAh (BAT-3V2-CR2) - not included in the product package	3.2 V / 400 mAh (BAT-3V2-CR2) - not included in the product package	3.6 V / 170 mAh (BAT-3V6-N170)
868.1 MHz	868.1 MHz	868.1 MHz
about 300 m (open area)	about 300 m (open area)	about 300 m (open area)
about 3 years	about 3 years	about 3 years
min. 24 h	min. 24 h	min. 12 h
max. 72 h	max. 72 h	max. 72 h
-	-	-
-	-	-
piezoelectric, 100 dB/1m	piezoelectric, 105 dB/1m	piezoelectric, 90 dB/1m
-10 °C až +40 °C	-10 °C to +40 °C	-10 °C to +40 °C
-	8 optional melodies for PG output indication.	-





# 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.




Product code	JA-111A-BASE-RB	JA-151A-BASE - RB
Product name	Base with electronics for JA-111A RB siren	Base with electronics for JA-151A RB siren
Product type	bus 	wireless 
Dimensions	200 x 300 x 70 mm	200 x 300 x 70 mm
Power supply	BAT-4V8	12 V from adapter DE-06-12 (part of the delivery)
Backup battery	BAT-4V8	BAT-4V8
Operating frequency	-	868.1 MHz
Communication range	-	about 300 m (open area)
Battery service life	about 3 years	about 3 years
Backup time	min. 12 h	min. 12 h
Battery recharging	max. 72 h	max. 72 h
Backup (idle) mode current consumption	5 mA	-
Current consumption for cable selection	50 mA	-
Siren	piezoelectric, 110 dB/1m	piezoelectric, 100 dB/1m
Operating temperature	-25 °C to +60 °C	-25 °C to +60 °C



### JA-163A-BASE-RB

Base with electronics  
for JA-163A RB siren

wireless 

200 x 300 x 70 mm

1 pcs (2 pcs) BAT-100A  
- not included in the package

-

868.1 MHz

about 300 m (open area)

about 5 (8) years (default settings)

-

-

-

-

piezoelectric, 100 dB/1m

-25 °C to +60 °C



# REPLACEABLE COVERS FOR EXTERNAL SIRENS



<b>Product code</b>	<b>JA-1X1A-C-GR</b>	<b>JA-1X1A-C-GR-B</b>
<b>Product name</b>	Siren cover, plastic, grey, with red light	Siren cover, plastic, grey, with blue light



<b>Product code</b>	<b>JA-1X1A-C-ST</b>	<b>JA-1X1A-C-ST-B</b>
<b>Product name</b>	Siren cover, stainless, with red light	Siren cover, stainless, with blue light





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**JA-1X1A-C-WH**

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Siren cover, plastic, white,  
with red light

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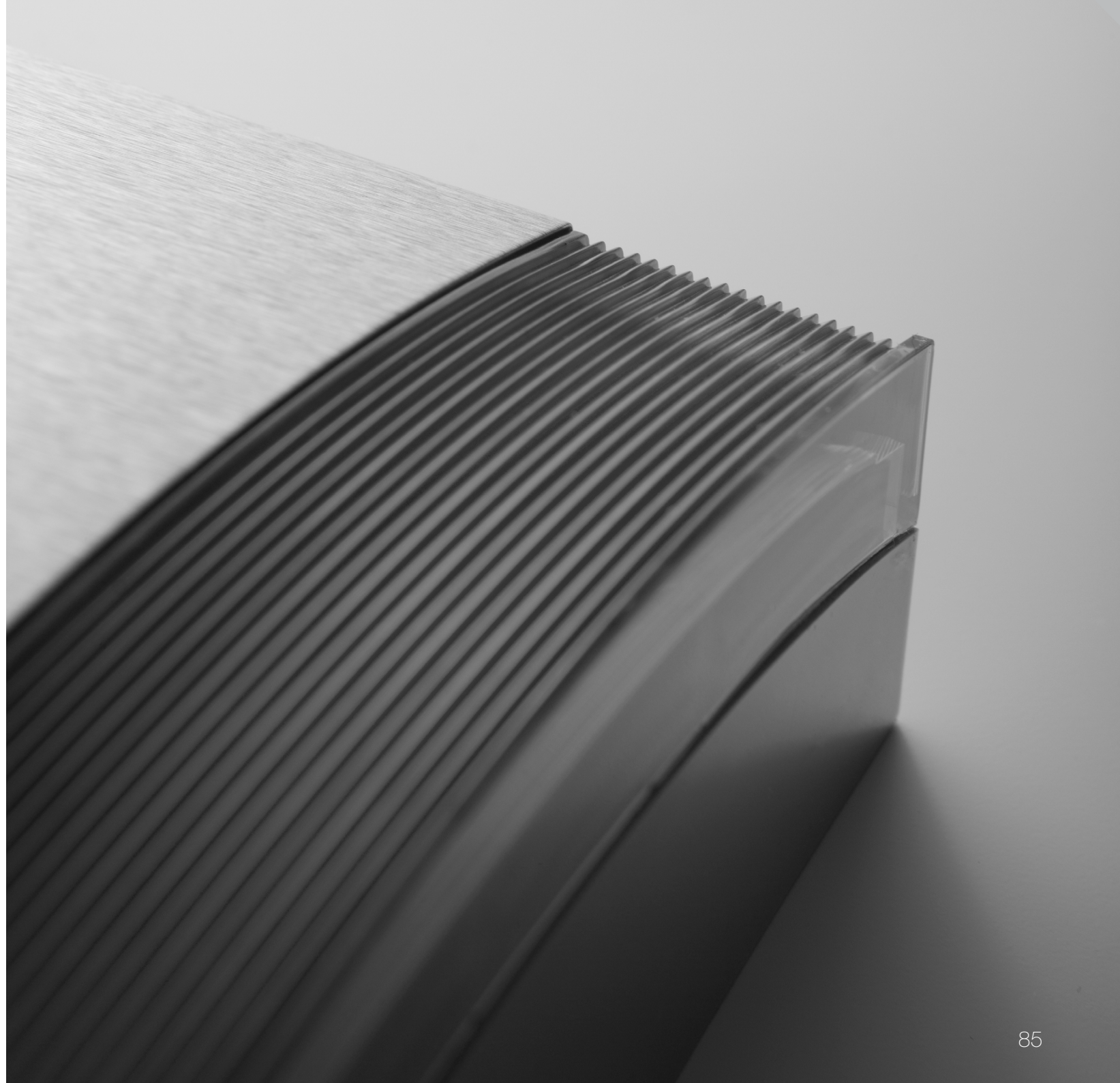
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**JA-1X1A-C-WH-B**

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Siren cover, plastic, white,  
with blue light

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# MODULES







# MODULES

## output





Output modules copying 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.



Product code	JA-110N	JB-110N
Product name	Bus PG power output module	Bus power output module PG
Product type	bus 	bus 
Dimensions	78 x 40 x 20 mm	78 x 40 x 20 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus
Operating frequency	-	-
Backup (idle) mode current consumption	5 mA off   45 mA switched	5 mA off   45 mA switched
Current consumption for cable selection	45 mA	45 mA
Max. switched voltage	250 V AC/DC	250 V AC/DC
Maximum switched current	16 A	16 A
Inductive, capacitive load	max. 8 A	max. 8 A
Minimum switched DC power	0.5 W	0.5 W
Minimum switched current	-	-
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C
Note	1 - 32 programmable outputs.	Can control 128 PG outputs.





JA-111N	JB-111N	JA-118N	JB-118N	JA-110N-DIN
Bus signal PG output module	Bus PG signal output module	Bus signal PG output module, 8 outputs	Bus PG signal output module, 8 outputs	Bus PG-DIN power output module
bus 	bus 	bus 	bus 	bus 
78 x 40 x 15 mm	78 x 40 x 15 mm	78 x 40 x 15 mm	77 x 40 x 15 mm	18 x 90 x 64 mm
12 V from the control panel bus	12 V from the control panel bus	12 V from the control panel bus	12 V from the control panel bus	12 V from the control panel bus
-	-	-	-	-
5 mA off   25 mA switched	5 mA off   25 mA switched	5 mA off   10 mA switched	5 mA off / 10 mA switched	5 mA off   45 mA switched
25 mA	25 mA	10 mA	10 mA	45 mA
24 V DC / 50 V	24 V DC / 50 V	38 V (with each output)	38 V (with each output)	250 V AC / 24 V DC
2 A	2A	100 mA (with each output)	100 mA (with each output)	16 A
-	-	-	-	max. 8 A
-	-	-	-	0.5 W
10 mA	10 mA	-	-	-
-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C
1 - 32 programmable outputs.	Can control 128 PG outputs.	1 - 32 programmable outputs.	Can control 128 PG outputs.	Can control 128 PG outputs.

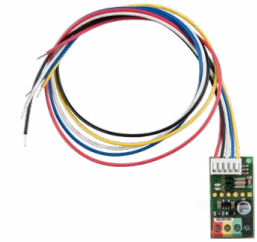




Product code	JA-120N	JA-150N	JA-151N	JB-150N-HEAD
Product name	Bus module for control of an electric lock	Wireless PG power output module	Wireless signal PG output module	Wireless thermostatic head
Product type	bus 	wireless 	wireless 	wireless
Dimensions	90 x 90 x 35 mm	82 x 50 x 19 mm	82 x 50 x 19 mm	85 x 49 mm
Power supply	12 V from the control panel bus 3 pcs NiMH recharging Eneloop battery (AA) 1900 mAh - not included in the product package	230 V / 50 Hz, 1.5 W	12 V DC	-
Operating frequency	-	868.1 MHz	868.1 MHz	868.1 MHz
Backup (idle) mode current consumption	10 mA	-	18 mA off   35 mA switched	-
Current consumption for cable selection	60 mA	-	-	-
DOOR output device (Eneloop batteries)	pulse (1 s) 600 mA   permanent 300 mA	-	-	-
Max. switched voltage	-	250 V AC	24 V DC / 50 V AC	-
Maximum switched current	-	16 A	2 A	-
Inductive, capacitive load	-	max. 8 A	-	-
Minimum switched DC power	-	0.5 W	-	-
Minimum switched current	-	-	10 mA	-
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C	0 °C to +60 °C

# 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.



Product code	JA-111H TRB	JA-111H-AD TRB
Product name	Bus module for the connection of a wired detector	Bus system control module
Product type	bus 	bus 
Dimensions	16 x 30 x 12 mm	16 x 30 x 12 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus
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
Max. measured resistance at the input	-	-
Max. length of supply lines to the inputs	-	-
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C




Product code	JA-114HN	JA-116H	JA-118M
Product name	Bus 4-input and 4-output module	Bus expander - 16 inputs	Magnetic detectors' bus connection module
Product type	bus 	bus 	bus 
Dimensions	77 x 40 x 31 mm	102 x 66 x 20 mm	50 x 38 x 14 mm
Power supply	12 V from the control panel bus	12 V from the control panel bus	12 V from the control panel bus
Backup (idle) mode current consumption	11 mA	25 mA	5 mA
Current consumption for cable selection	26 mA	25 mA	15 mA
Maximum acceptable load by the connected detector	+U: max. 200 mA each output max. 500 mA / 38 V	max 4x 100 mA	-
Max. measured resistance at the input	20 kOhm	20 kOhm	20 kOhm
Max. length of supply lines to the inputs	100 m	100 m	100 m
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C	-10 °C to +40 °C

# ELECTRICITY- METER PULSE-OUTPUT TRANSMITTER

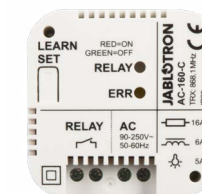
This consumption meter will, together with the MyJABLOTRON app, monitor the power consumption in the building and aside from providing an easy-to-navigate overview will also notify of its unexpected increase.





<b>Product code</b>	<b>JA-150EM-DIN</b>
<b>Product name</b>	Electricity-meter pulse-output transmitter
<b>Product type</b>	wireless 
<b>Dimensions</b>	18 x 90 x 65 mm
<b>Power supply</b>	230 V / 50 Hz, 1.2 W
<b>Operating frequency</b>	868.1 MHz
<b>IN input</b>	operating voltage 5 V, max. external overvoltage 30 V DC, max. connection conductor length 3 m.
<b>PU input</b>	operating voltage 5 V, max. external overvoltage 30 V DC max. connection conductor length 3 m. compatible with impulse outputs SO of class B electricity meters
<b>TA input</b>	input for the connection of a load management control conductor from HDO max. 230 V AC
<b>Operating temperature</b>	-20 °C to +60 °C
<b>Note</b>	Possibility of connecting an AN-868 antenna.

# MULTI-FUNCTIONAL 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.



Product code	AC-160-DIN	AC-160-C
Product name	Wireless multifunctional relay for DIN-rail installation	Wireless multifunctional relay
Product type	wireless 	wireless 
Dimensions	18 x 90 x 65 mm	49 x 49 x 26 mm
Power supply	230 V / 50 Hz	100 - 230 V / 50 - 60 Hz
Operating frequency	868.1 MHz	868.1 MHz
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
Inductive, capacitive load	8 A	8 A
Minimum switched DC power	0.5 W	0.5 W
Halogen lighting	max. 1000 W	max. 1000 W
Diameter of connected conductors	max. 2 x 1.5 mm <sup>2</sup> max. 1 x 2.5 mm <sup>2</sup>	max. 2 x 1.5 mm <sup>2</sup> max. 1 x 2.5 mm <sup>2</sup>
Operating temperature	-10 °C to +40 °C	-10 °C to +40 °C



### UR-01

Universal relay

-

18 x 90 x 65 mm

230 V / 50 Hz

-

0.3 W / max. 0.8 W

250 V AC / 24 V DC

16 A

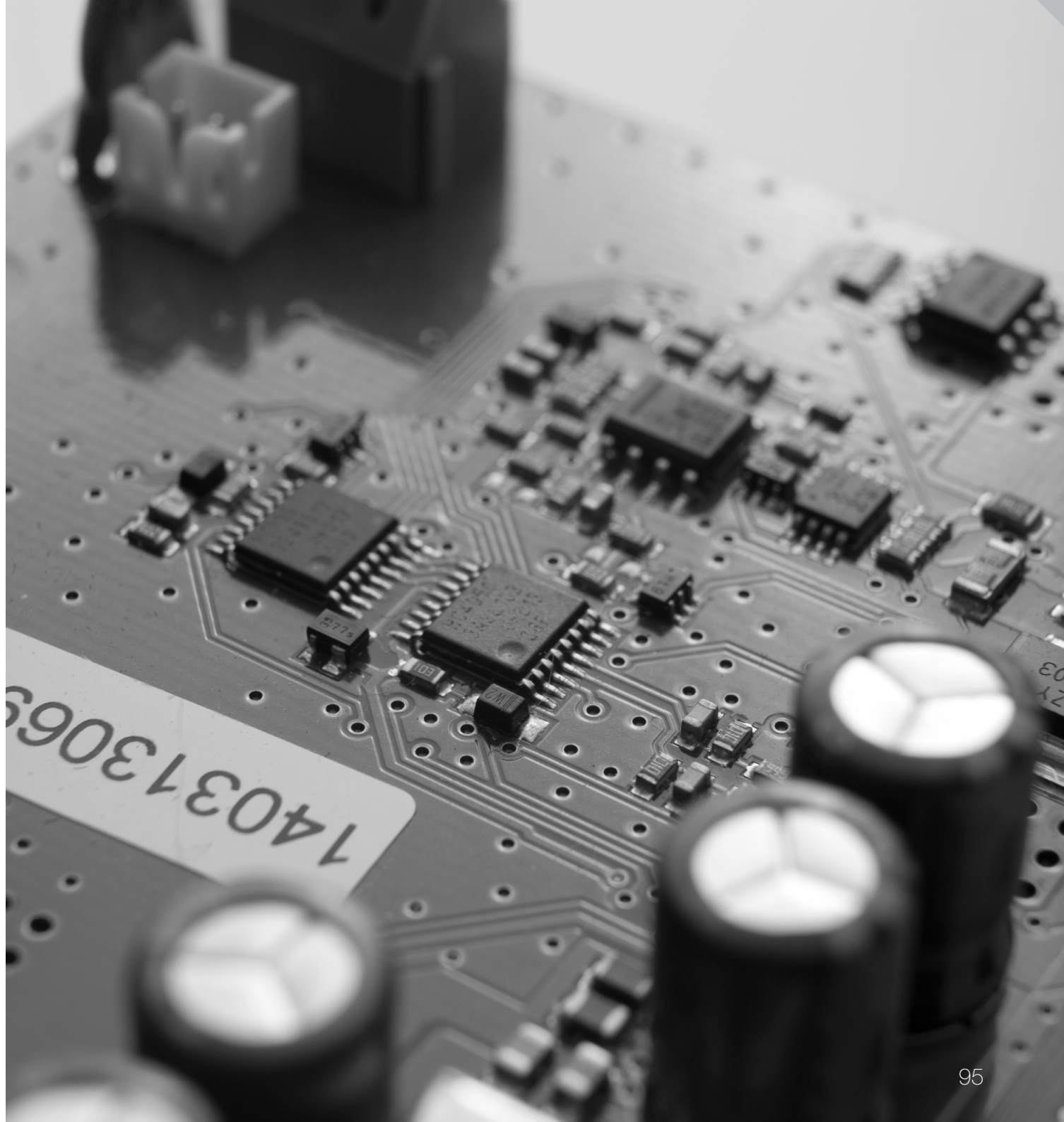
8 A

0.5 W

max. 1000 W

max. 2 x 1.5 mm<sup>2</sup>  
max. 1 x 2.5 mm<sup>2</sup>


-10 °C to +40 °C





# INDICATORS



<b>Product code</b>	<b>JA-110I</b>	<b>JA-111I</b>
<b>Product name</b>	Bus section or PG indicator	Universal optical indicator
<b>Product type</b>	bus 	-
<b>Dimensions</b>	62 x 36 x 27 mm	62 x 36 x 27 mm
<b>Power supply</b>	12 V from the control panel bus	12 V
<b>Backup mode consumption (LED on/off)</b>	6 mA / 3 mA	5 mA / 0 mA
<b>Current consumption for cable selection</b>	6 mA	5 mA
<b>Operating temperature</b>	-10 °C to +40 °C	-10 °C to +40 °C
<b>Note</b>	32 PGs only.	-

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.



---

### JA-112I

---

Bus section or PG indicator

---

bus 

---

62 x 36 x 27 mm

---

12 V from the control panel bus

---

6 mA / 3 mA

---

6 mA

---

-10 °C to +40 °C

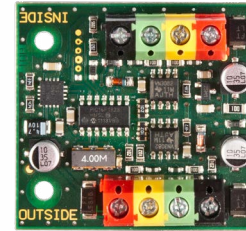
---


Up to 128 PGs.

---



# BUS ISOLATOR



<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
<b>Operating temperature</b>	-10 °C to +40 °C

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



SIM.com  
52-104AD-2096B  
SN: MP0614082408416  
IMEI: 01377805922487  
FCC ID: LDU-091214209007  
CE 0980

# POWER SUPPLY





# BACKUP BATTERIES



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
Weight	0.91 kg	2.03 kg
Maximum permanent current	0.36 A	2.1 A
Maximum discharge current	40 A	80 A
Note	For JA-100K, JA-101K, JA-103K control panels and their variants.	For JA-106K, JA-107K control panels and their variants.

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





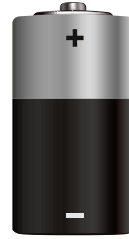
<b>SA214-18</b>	<b>BAT-4V8-N900</b>	<b>BAT-4V8</b>	<b>BAT-3V6-N170</b>	<b>BAT-3V2-CR</b>
lead	NiCd	NiCd	NiCd	LiFePO4
12 V	4.8 V	4.8 V	3.6 V	3.2 V
18 Ah	900 mAh	1800 mAh	170 mAh	400 mAh
181 x 76 x 167 mm	56 x 49 x 15 mm	90 x 45 x 20 mm	32 x 31 x 11 mm	ø 16 x 28 mm
5.23 kg	-	-	-	-
5.1 A	-	-	-	-
100 A	-	-	-	-
For JA-106K, JA-107K control panels and their variants.	For JA-150R.	For JA-111A-BASE-RB and JA-151A-BASE-RB.	For JA-150A and JA-162A.	For JA-110A II, JA-150A II and JA-152A.

# BATTERIES



Product code	BAT-1V5-AA	BAT-6
Type	alkaline	alkaline
Voltage	1.5 V	6 V
Capacity	2500 mAh	58 mAh
Note	-	-

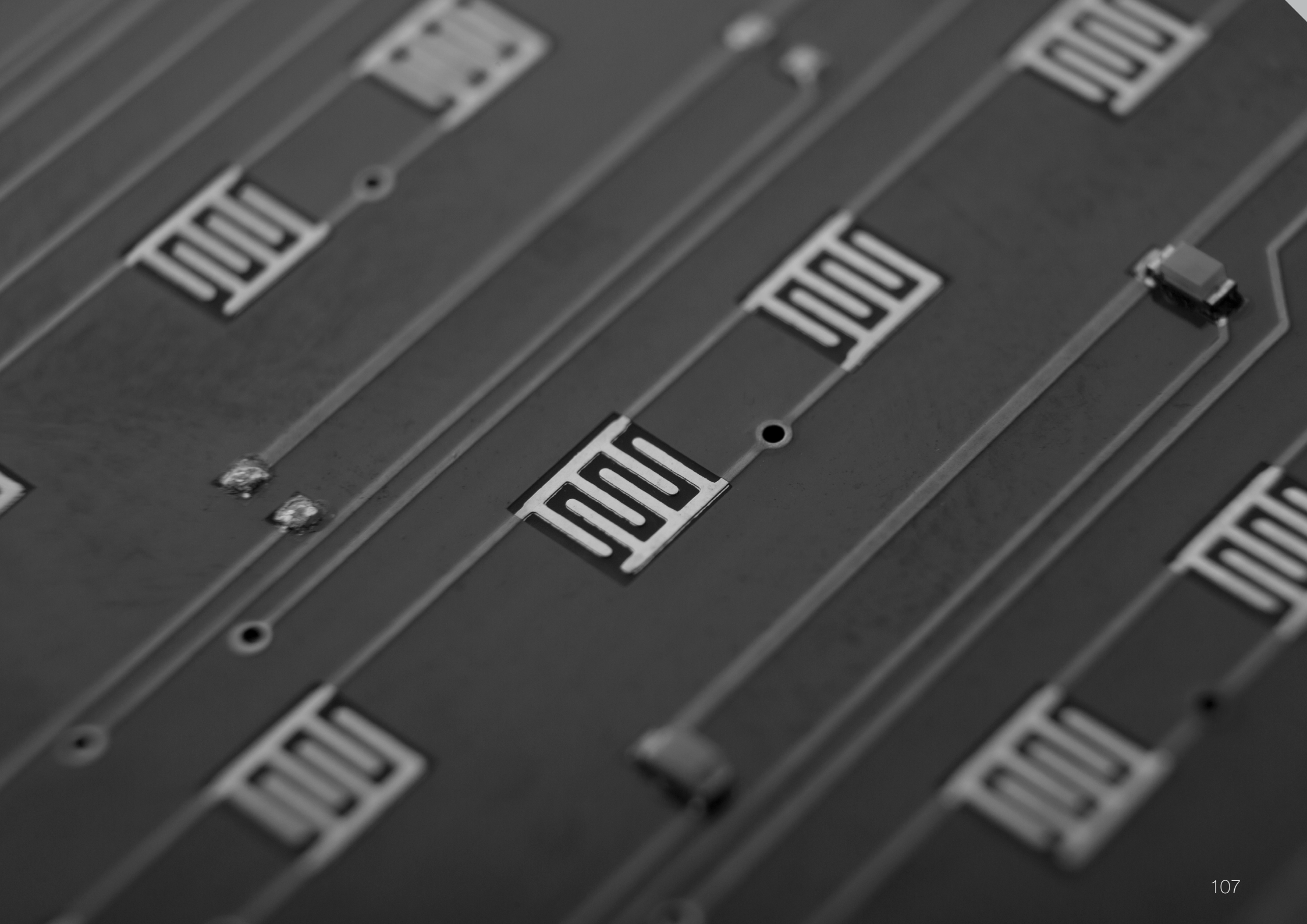
These are used to power wireless devices.



<b>BAT-3V6-1/2AA-LS</b>	<b>BAT-3V6-AA-LS</b>	<b>BAT-3V0-CR123A</b>	<b>BAT-3V0-CR2032</b>
lithium	lithium	lithium	lithium
3.6 V	3.6 V	3 V	3 V
1200 mAh	2400 mAh	1500 mAh	200 mAh
-	-	-	-



Product code	BAT-3V0-CR2354	BAT-3V6-R20	BAT-100A.01
Type	lithium	lithium	lithium
Voltage	3 V	3.6 V	3.6 V
Capacity	550 mAh	13 Ah	14.5 Ah
Note	-	-	For the JA-163A-BASE-RB wireless siren.



# INSTALLATION ACCESSORIES





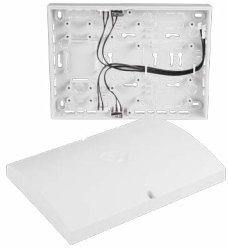


# INSTALLATION BOXES



Product code	JA-190PL	JA-192PL-A
Product name	Multipurpose installation box	Multi-purpose outdoor installation box
Dimensions	90 x 90 x 34 mm	70 x 62 x 35 mm
Ingress protection class	IP 40	IP 65
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
Note	-	-

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



JA-194PL	JA-195PL	PLV-JA111R	PLV-CP-M	PLV-CP-L
Multipurpose installation box - medium size	Multipurpose installation box - small size	JA-111R housing	Replacement plastic for the JA-100K, JA-101K, JA-103K control panels	Replacement plastic for the JA-106K and JA-107K control panels and plastic for the JA-120Z bus booster
182 x 132 x 45 mm	102 x 102 x 34 mm	43 x 160 x 23 mm	268 x 225 x 83 mm	358 x 297 x 105 mm
IP 40	IP 40	IP 40	IP 40	IP 40
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	JA-111R JA-111R-80	JA-100K JA-101K JA-103K JA-110Z-D	JA-106K JA-107K JA-120Z JA-110Z-D
Equipped with a front and rear tamper switch.	Equipped with a front and rear tamper switch.	-	Can also be used as an installation box.	Can also be used as an installation box.

# INSTALLATION CABLES

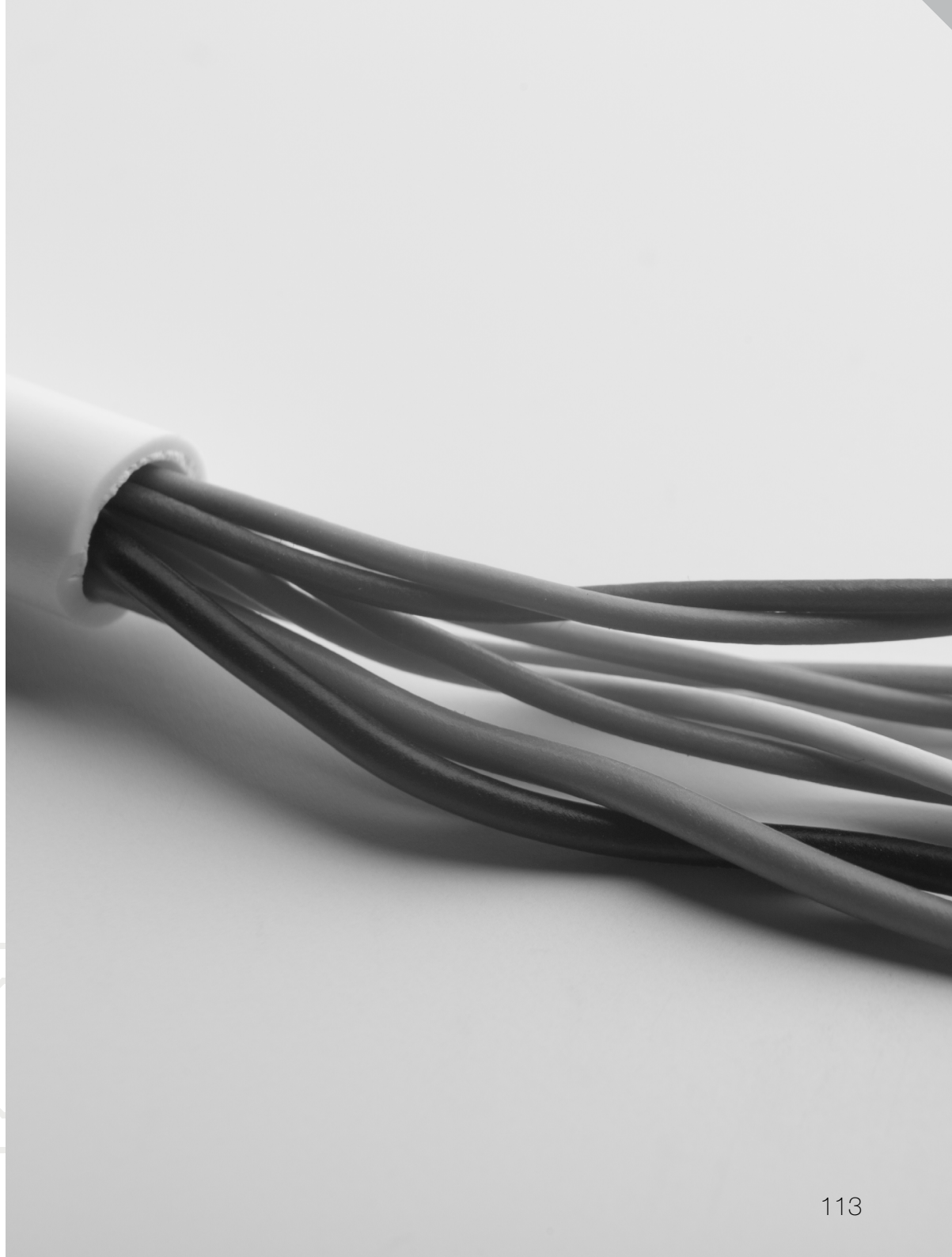


Product code	CC-01	CC-02
Product name	Installation cable	Installation cable
Length	300 m	300 m
Cable diameter	2x 0.8 mm - power supply cables 2x 0.5 mm - data cables	2x 0.5 mm - power supply cables 2x 0.5 mm - data cables
Flammability class	-	-
Maximum operating voltage	30 V DC	30 V DC
Note	Designed for main bus lines.	Designed for branches of the main bus.

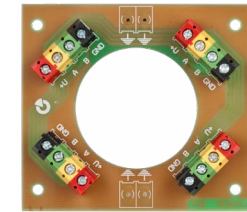
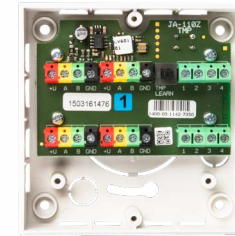
To make installation easier, the cables have matching colours to the bus terminals. They also have labels to easily identify the length of the used material.



CC-03	CC-11
Installation cable	Installation cable
250 m	200 m
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
-	B2CA-s1, d0, a1
30 V DC	30 V DC
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.

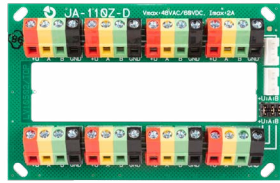
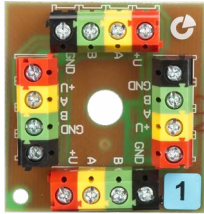


# BUS SPLITTERS

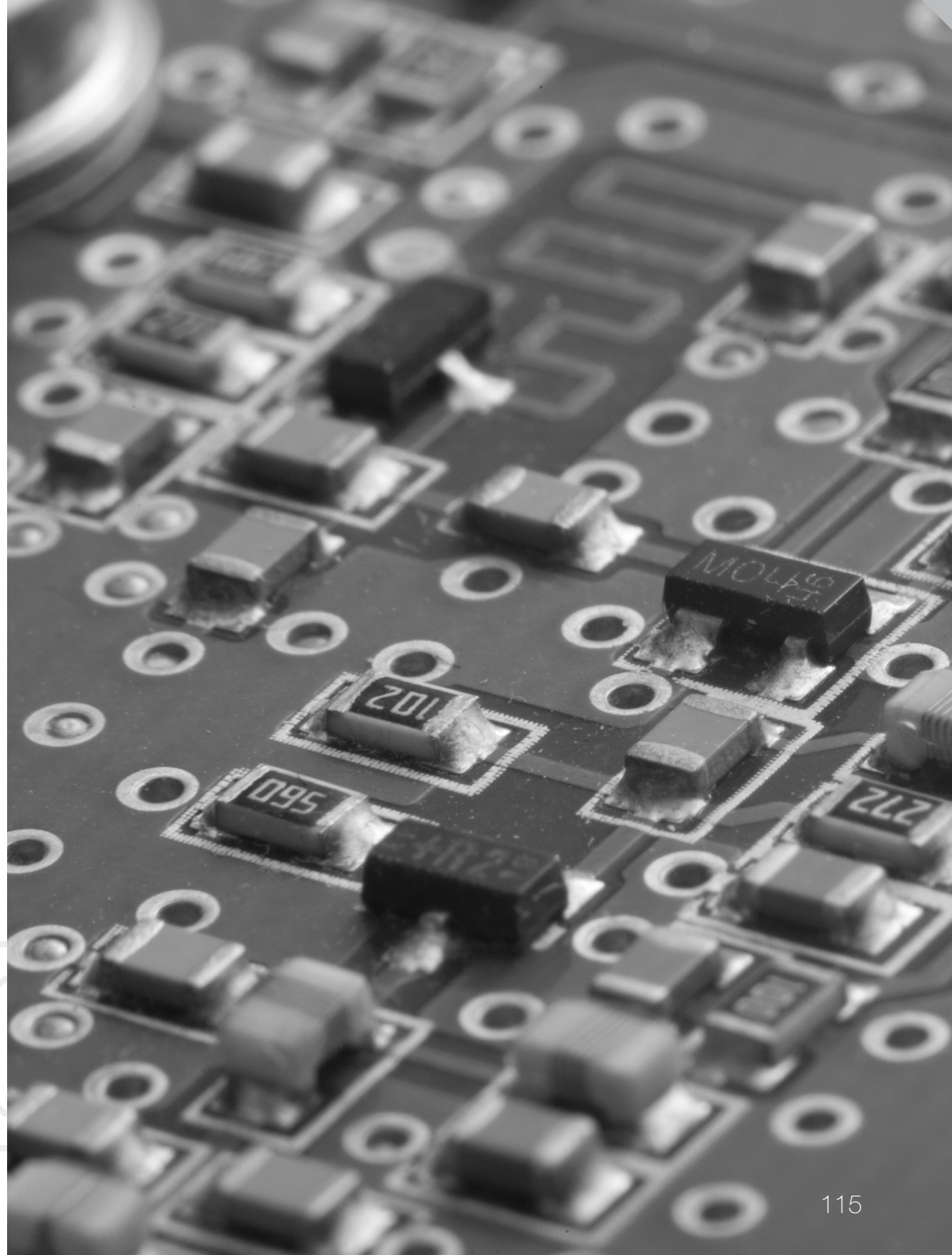


Product code	JA-110Z	JA-110Z-B
Product name	Address bus splitter	Bus splitter
Dimensions	90 x 90 x 34 mm	71 x 64 x 13 mm
Power supply	12 V from the control panel bus	-
Backup (idle) mode current consumption	5 mA	-
Current consumption for cable selection	5 mA	-
Maximum voltage	16 V	42 V AC / 60 V DC
Maximum current	2 A	2 A
Operating temperature	-40 °C to + 60 °C	-25 °C to +70 °C
Note	5 mA	-

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



JA-110Z-C	JA-110Z-D
Bus splitter	Multiposition bus terminal module
40 x 38 x 13 mm	102 x 66 x 18 mm
-	-
-	-
-	-
42 V AC / 60 V DC	48 V AC / 60 V DC
2 A	2 A
-25 °C to +70 °C	-25 °C to +70 °C
-	Suitable for the expansion of the third bus for JA-107K control panels.



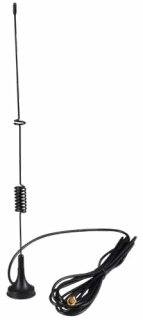
# ANTENNAS



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
Operating frequency	868.1 MHz	868.1 MHz
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
Antenna gain	max. 3 dBi	max. 3 dBi
Cable length	2 m	2 m
Operating temperature	-20 °C to +60 °C	-20 °C to +60 °C
Note	3-pin connector.	2-pin connector.

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





### AN-05 2G-3G

Mast antenna

110 x 30 mm

800 - 2100 MHz

JA-101Kxx  
JA-106Kxx  
JA-190Y  
JA-192Y

4 dBi

3 m

-40 °C to + 60 °C

-



# INSTALLATION ACCESSORIES

## power supply

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



<b>Product code</b>	<b>DE06-12</b>	<b>LT-089.06</b>
<b>Product name</b>	12 V / 0.5 A power adapter	Power adaptor
<b>Dimensions</b>	50 x 48 x 25 mm	41 x 79 x 44 mm
<b>Power supply</b>	100 - 230 V AC	100 - 230 V AC
<b>Output voltage</b>	12 V DC	12 V DC
<b>Output current</b>	500 mA	1000 mA
<b>Peak output current</b>	1000 mA	-
<b>Output power</b>	max. 12 W	max. 12 W
<b>Short-circuit and temperature overload protection</b>	yes	-
<b>Ingress protection class</b>	IP 64	-
<b>Operating temperature</b>	-10 °C to +40 °C	0 °C to +50 °C

# INSTALLATION ACCESSORIES

test spray

Reliable testing via the spray is used to quickly verify the functionality of fire and CO 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>The set contains</b>	Test spray CO 1x 5x insulating sleeve	Test spray 1x

# INSTALLATION ACCESSORIES

## label printer



<b>Product code</b>	<b>PT-770-X</b>
<b>Product name</b>	Label printer
<b>Note</b>	PT-TAPE02-BW tape is used for label printing in JA-192E control segments. PT-TAPE18-BW tape is used for label printing in the JA-159J.

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

# INSTALLATION ACCESSORIES

## USB reader for PC

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



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

# SOFTWARE

for installation partners





F-Link

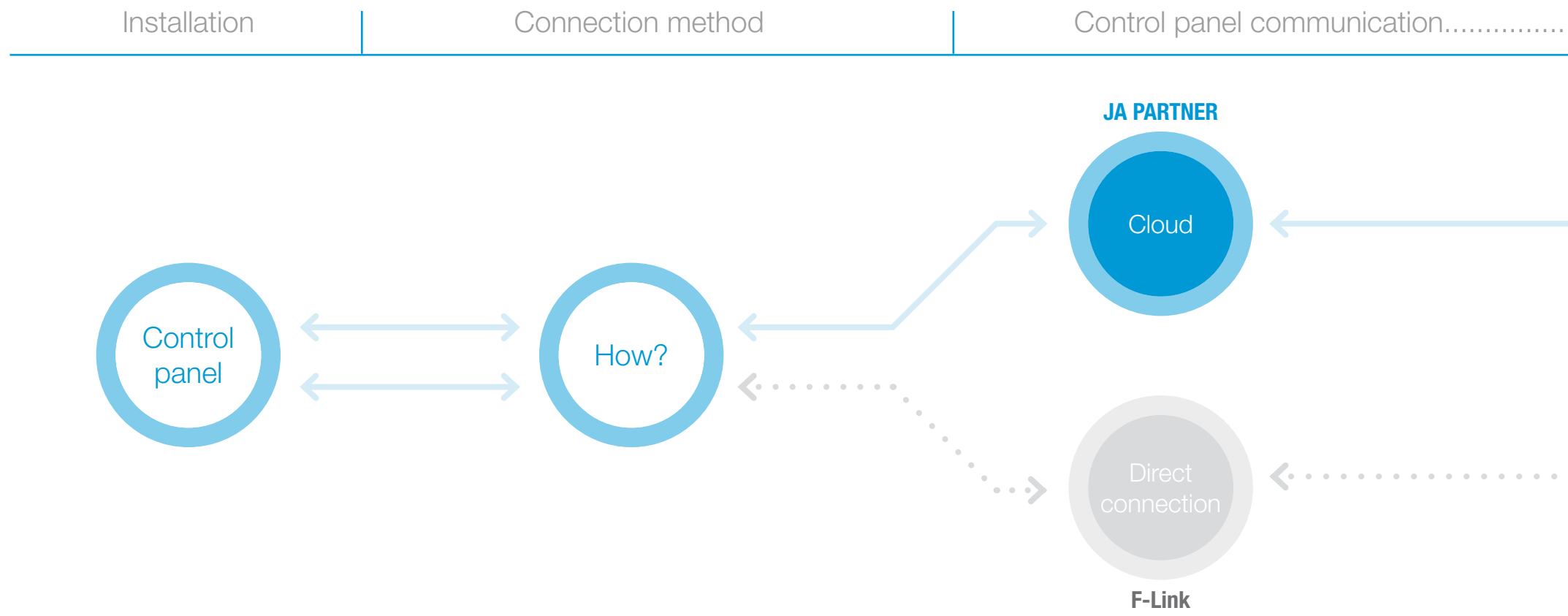
MyCOMPANY





# ALARM REGISTRATION

for the monitoring and alarm receiving centre



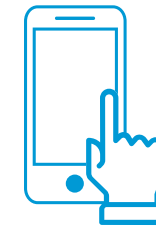
..... with the Cloud

Access via the MyCOMPANY app

LAN / GPRS / GSM



**JABLOTRON CLOUD**



**MyCOMPANY**

Access to installation settings

..... Variant (Jablo IP)



**Monitoring and alarm  
receiving centre**

HW JA ARC / Jablonet Pro  
/ Manitou / Kronos / Cloud  
Native / Moxa (Sur-Gard)



Original SW for professional programming of the JABLOTRON 100+ system.

Certified technicians can use this to completely install and (re)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

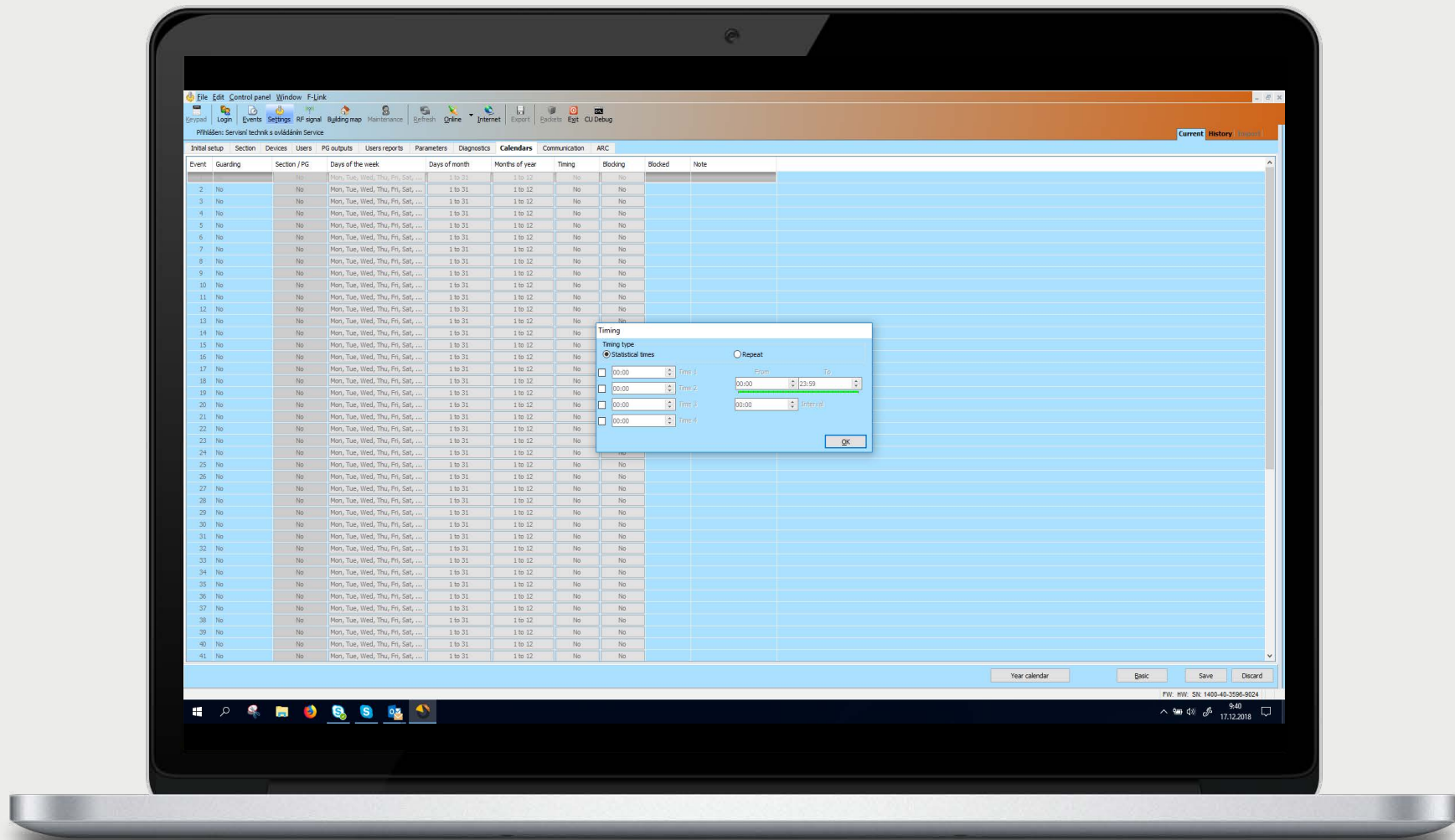
## **Connection to the control panel**



USB cable



Remotely  
via the internet



File Edit Control panel Window F-Link  
 Srvpad Login Events Settings RF signal Building map Maintenance Refresh Online Internet Export Packets Egt CU Debug  
 Přihlášen: Servisní technik s ovládacím Service Current History Manual

Event	Guarding	Section / PG	Devices	Users	PG outputs	Users reports	Parameters	Diagnostics	Calendars	Communication	ARC
1	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
2	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
3	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
4	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
5	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
6	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
7	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
8	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
9	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
10	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
11	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
12	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
13	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
14	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
15	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
16	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
17	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
18	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
19	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
20	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
21	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
22	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
23	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
24	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
25	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
26	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
27	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
28	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
29	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
30	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
31	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
32	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
33	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
34	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
35	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
36	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
37	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
38	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
39	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
40	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			
41	No	No	No	Mon, Tue, Wed, Thu, Fri, Sat, ...	1 to 31	1 to 12	No	No			

**Timing**

Timing type  
 Statistical lines  
 Repeat

00:00 Time 1 From: To: [00:00] [23:59]

00:00 Time 2 From: To: [00:00] [Interval]

00:00 Time 3 From: To: [00:00] [Interval]

00:00 Time 4 From: To: [00:00] [Interval]

OK

Year calendar Basic Save Discard

FW: HW: SN: 1400-40-3596-0024 9:40 17.12.2018



## **Functions**

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



---

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



### **MySTORAGE**

#### **INSTALLATION MANUALS**

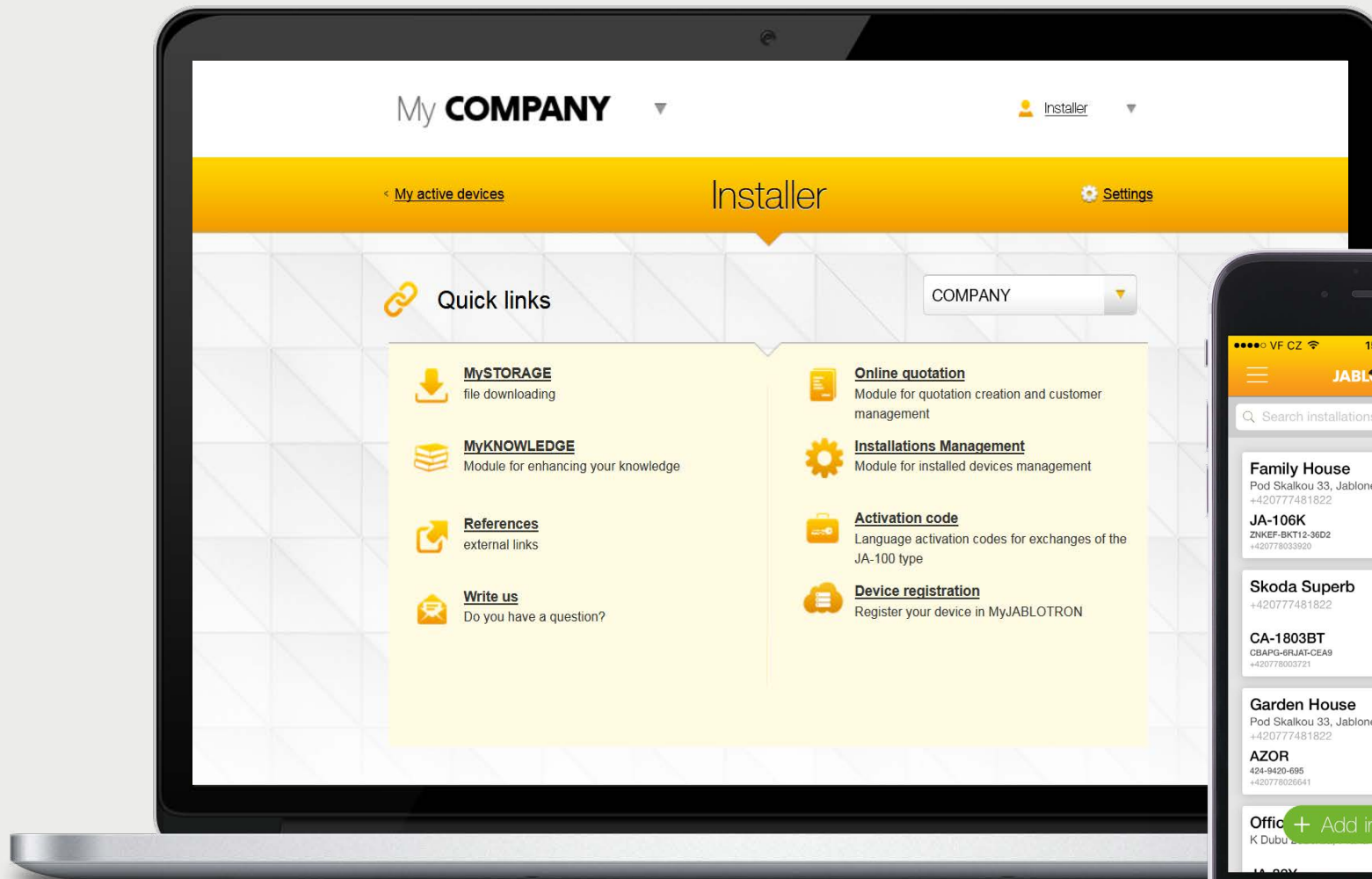
Information and marketing documents in all available languages, at a single place



### **MyKNOWLEDGE**

#### **EDUCATIONAL VIDEOS**

Information about the latest news and new products



My **COMPANY** ▾

Installer ▾

< [My active devices](#)

Installer

Settings

 Quick links

COMPANY ▾



**MySTORAGE**

file downloading



**MyKNOWLEDGE**

Module for enhancing your knowledge



**References**

external links



**Write us**

Do you have a question?



**Online quotation**

Module for quotation creation and customer management



**Installations Management**

Module for installed devices management



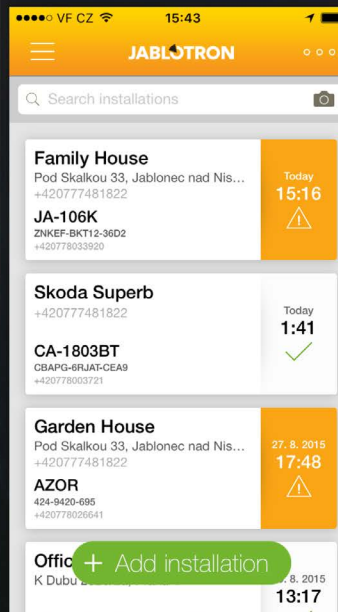
**Activation code**

Language activation codes for exchanges of the JA-100 type



**Device registration**

Register your device in MyJABLOTRON



JABLOTRON

Search installations

**Family House**

Pod Skalkou 33, Jablonec nad Nis...  
+420777481822

**JA-106K**

ZNKEF-BKT12-36D2  
+420778033920

Today  
15:16

**Skoda Superb**

+420777481822

**CA-1803BT**

CBAPG-6RJAT-CEA9  
+420778033721

Today  
1:41

**Garden House**

Pod Skalkou 33, Jablonec nad Nis...  
+420777481822

**AZOR**

424-9420-695  
+420778026641

27. 8. 2015  
17:48

Office + Add installation

K Dubu... 27. 8. 2015  
13:17

# SOFTWARE

for users







J-Link

MyJABLOTRON





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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

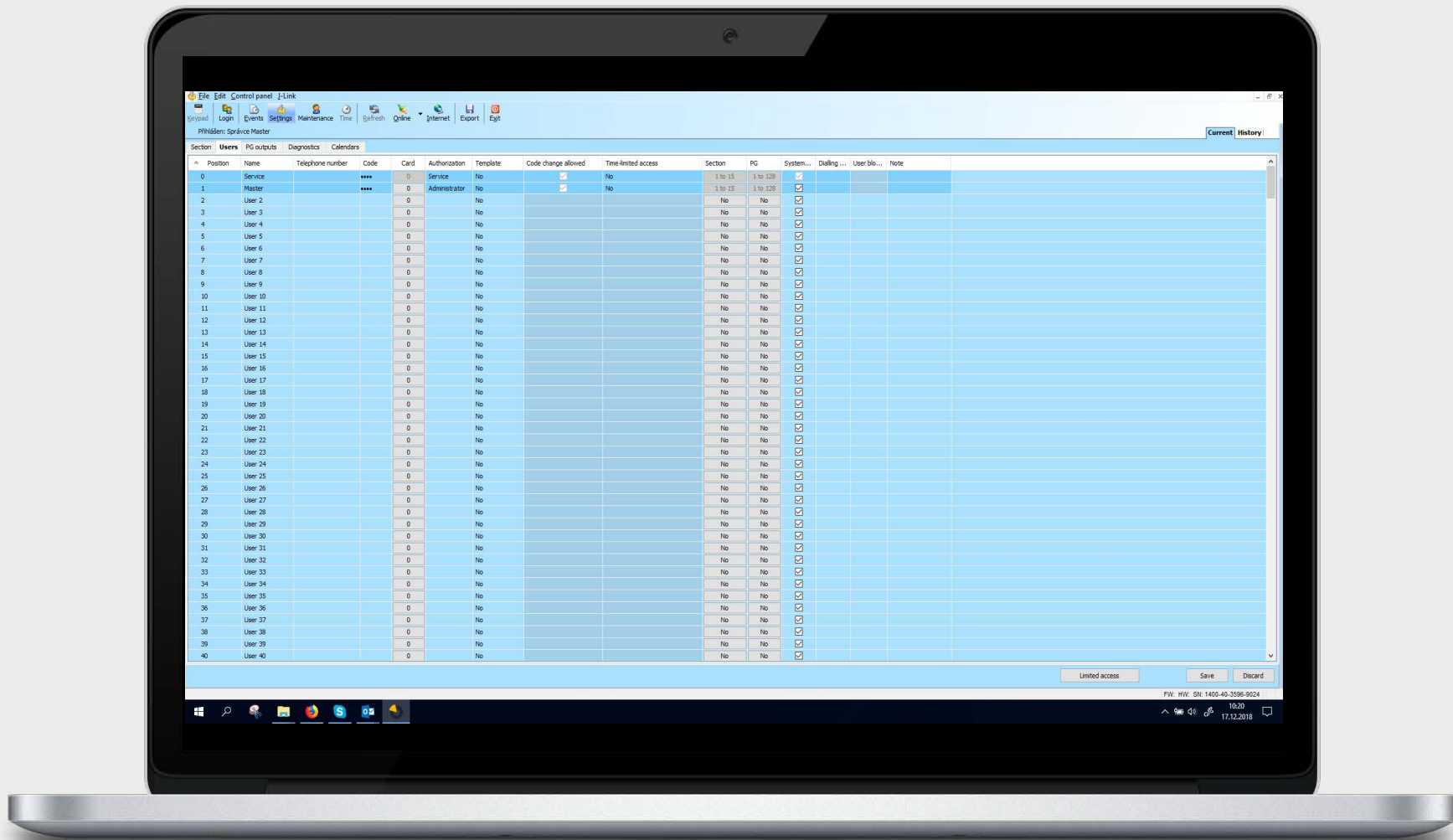
## **Connection to the control panel**



USB cable



Remotely  
via the internet



Position	Name	Telephone number	Code	Card	Authorization	Template	Code change allowed	Time-limited access	Section	PG	System...	Dalling ...	User blo...	Note
0	Service		****	0	Service	No	<input checked="" type="checkbox"/>	No	1 to 15	1 to 128	<input checked="" type="checkbox"/>			
1	Master		****	0	Administrator	No	<input checked="" type="checkbox"/>	No	1 to 15	1 to 128	<input checked="" type="checkbox"/>			
2	User 2			0		No			No	No	<input checked="" type="checkbox"/>			
3	User 3			0		No			No	No	<input checked="" type="checkbox"/>			
4	User 4			0		No			No	No	<input checked="" type="checkbox"/>			
5	User 5			0		No			No	No	<input checked="" type="checkbox"/>			
6	User 6			0		No			No	No	<input checked="" type="checkbox"/>			
7	User 7			0		No			No	No	<input checked="" type="checkbox"/>			
8	User 8			0		No			No	No	<input checked="" type="checkbox"/>			
9	User 9			0		No			No	No	<input checked="" type="checkbox"/>			
10	User 10			0		No			No	No	<input checked="" type="checkbox"/>			
11	User 11			0		No			No	No	<input checked="" type="checkbox"/>			
12	User 12			0		No			No	No	<input checked="" type="checkbox"/>			
13	User 13			0		No			No	No	<input checked="" type="checkbox"/>			
14	User 14			0		No			No	No	<input checked="" type="checkbox"/>			
15	User 15			0		No			No	No	<input checked="" type="checkbox"/>			
16	User 16			0		No			No	No	<input checked="" type="checkbox"/>			
17	User 17			0		No			No	No	<input checked="" type="checkbox"/>			
18	User 18			0		No			No	No	<input checked="" type="checkbox"/>			
19	User 19			0		No			No	No	<input checked="" type="checkbox"/>			
20	User 20			0		No			No	No	<input checked="" type="checkbox"/>			
21	User 21			0		No			No	No	<input checked="" type="checkbox"/>			
22	User 22			0		No			No	No	<input checked="" type="checkbox"/>			
23	User 23			0		No			No	No	<input checked="" type="checkbox"/>			
24	User 24			0		No			No	No	<input checked="" type="checkbox"/>			
25	User 25			0		No			No	No	<input checked="" type="checkbox"/>			
26	User 26			0		No			No	No	<input checked="" type="checkbox"/>			
27	User 27			0		No			No	No	<input checked="" type="checkbox"/>			
28	User 28			0		No			No	No	<input checked="" type="checkbox"/>			
29	User 29			0		No			No	No	<input checked="" type="checkbox"/>			
30	User 30			0		No			No	No	<input checked="" type="checkbox"/>			
31	User 31			0		No			No	No	<input checked="" type="checkbox"/>			
32	User 32			0		No			No	No	<input checked="" type="checkbox"/>			
33	User 33			0		No			No	No	<input checked="" type="checkbox"/>			
34	User 34			0		No			No	No	<input checked="" type="checkbox"/>			
35	User 35			0		No			No	No	<input checked="" type="checkbox"/>			
36	User 36			0		No			No	No	<input checked="" type="checkbox"/>			
37	User 37			0		No			No	No	<input checked="" type="checkbox"/>			
38	User 38			0		No			No	No	<input checked="" type="checkbox"/>			
39	User 39			0		No			No	No	<input checked="" type="checkbox"/>			
40	User 40			0		No			No	No	<input checked="" type="checkbox"/>			

Limited access Save Discard

Firmware: HW: SN: 1400-40-3596-0024  
10:20  
17.12.2018



# MyJABLOTRON

## Functions

- Simple controls, identical to keypad controls
- Event notifications (PUSH notifications, emails, SMS)
- Verification – photos, video
- Latest information
- Setting of access rights for sharing



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



Mobile phone controls



PC controls



Smart watch controls



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