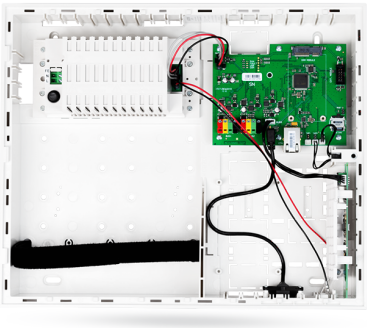
GSM Control panel with LAN and radio module

Code: JA-107KR



The JA-107K is an advanced version of the JABLOTRON 100+ security system. It is designed for large living spaces, offices and businesses. It can only be installed by a trained technician with a valid JABLOTRON a.s. certificate.

Product description:

It also offers flexible protection solutions for residential complexes, administrative buildings and companies that require a multi-section system. The adjustments and sizing of the system are programmed through the F-Link software (from version 2.0.0).

The JA-107K control panel offers:

- 120 wireless and up to 230 bus devices
- 600 users
- 15 sections
- 128 programmable PG outputs
- 64 mutually independent calendar events
- 50 user SMS reports
- 15 user voice reports
- 5 ARCs can be set
- 5 selectable protocols for an ARC

The control panel has:

- 2 mutually independent terminal boards for bus connection
- 1 connector for a built-in radio module (JA-111R)/third terminal board - expanded using a JA-110Z-D
- 1 connector for a GSM/GPRS/LTE communicator (JA-194Y/JA-194Y-LITE)

The control panel also offers functions such as:

- Maintenance
- Day/night mode
- Short departure response
- Automatic setting
- Advanced calendar features

The following products with the control panel **ARE NOT COMPATIBLE**:

- JA-180A (wireless outdoor siren)
- JA-154J (bi-directional remote control)
- JA-190X (PSTN communicator module)

The following products with the control panel **ARE COMPATIBLE under certain conditions**:

- The JA-112E (keyboard) is compatible with FW LU61501 and higher

- The JA-113E (keyboard) is compatible with FW LU61601 and higher
- The JA-118N (PG Bus Output Module) is compatible with LY68003 and higher
    - FW version LY68002 and lower works only when the PG range is set in the F-Link up to a maximum value of 32
- The JA-110I (section or PG bus indicator) is compatible only when the PG range is set in the F-Link up to a maximum value of 32

Technical information:

Control panel power supply	~ 110 – 230 V/50 – 60 Hz, max. 0.85 A with fuse F1.6 A/250 V, Protection class II	
Back-up battery	12 V; 7 to 18 Ah (lead gel)	
Maximum battery charging time	48 h	
BUS voltage (red - black)	12.0 to 13.8 V	
Maximum continuous current consumption from the control panel	2000 mA permanent 3000 mA for 60 minutes (max. 2000 mA for one BUS)	
Max. continuous current consumption for back-up 12 hours	Without GSM communicator	LAN – OFF: 1135 mA LAN – ON: 1107 mA
	With GSM communicator	LAN – OFF: 1100 mA LAN – ON: 1072 mA
Max. continuous current consumption for back-up 24 hours	Without GSM communicator	LAN – OFF: 535 mA LAN – ON: 499 mA
	With GSM communicator	LAN – OFF: 530 mA LAN – ON: 494 mA
Maximum number of devices	230	
LAN communicator	Ethernet interface, 10/100BASE	
Dimensions	357 x 297 x 105 mm	
Weight with/without AKU	7027 g/1809 g	
Reaction to invalid code entry	Alarm after 10 wrong code entries	
Event memory	Approx. 7 million latest events, including date and time	
Power supply unit	Type A according to EN 50131-6 T 031 note: In case of a main power failure is the system backed up for 24 hours and at the same time is a failure report sent to the ARC.	
GSM communicator (2G)	850 / 900 / 1800 / 1900 MHz	
Classification	Security grade 2 according to EN 50131-1	
Operational environment	Environmental class II (indoor general) according to EN 50131-1	

Operational temperature range	-10 °C to +40 °C
Average operational humidity	75 % RH, non-condensing
Complies with	EN 50131-1 ed. 2+A1+A2, EN 50131-3, EN 50131-5-3+A1, EN 50131-6 ed. 2+A1, EN 50131-10, EN 50136-1, EN 50136-2, EN 50581
Radio operating frequency (with the JA 11xR module)	868.1 MHz
Radio emissions	ETSI EN 300 220-1,-2 (module R), ETSI EN 301 419-1, ETSI EN 301 511 (GSM)
EMC	EN 50130-4 ed. 2+A1, EN 55032 ed. 2, ETSI EN 301 489-7
Safety conformity	EN 62368-1+A11
Caller identification (CLIP)	ETSI EN 300 089
Operational conditions	ERC REC 70-03
Certification body	Trezor Test s.r.o. (no. 3025)