



## JA-103KR GSM Control panel with LAN and radio module

The core element of the JABLOTRON 100+ security system. A control panel for protecting family houses, offices and smaller companies. It can only be installed by a trained technician with a valid Jablotron Alarms certificate.

### Description

The required adjustments and sizing of the system are programmed through the F-Link software (from version 2.0.0).

The JA-103K control panel offers:

- 50 wireless or bus devices
- 50 users
- 8 sections
- 32 programmable PG outputs
- 20 mutually independent calendar events
- 8 user SMS and voice reports
- 5 ARCs can be set
- 5 selectable protocols for an ARC

The control panel has:

- 1 terminal board for bus connection
- 1 connector for a built-in radio module (JA-111R)
- 1 connector for a GSM/GPRS communicator (JA-192Y)

The control panel also offers functions such as:

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

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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 specifications

<b>Control panel power supply</b>	~ 110 – 230 V/50 – 60 Hz, max. 0.28 A with fuse F1.6 A/250 V, Protection class II	
<b>Back-up battery</b>	12 V; 2.6 Ah (lead gel)	
<b>Maximum battery charging time</b>	48 h	
<b>BUS voltage (red - black)</b>	12.0 to 13.8 V	
<b>Maximum continuous current consumption from the control panel</b>	1000 mA	
<b>Max. continuous current consumption for back-up 12 hours</b>	Without GSM communicator	LAN – OFF: 115 mA LAN – ON: 88 mA
	With GSM communicator	LAN – OFF: 80 mA LAN – ON: 53 mA
<b>Max. continuous current consumption for back-up 24 hours</b>	Without GSM communicator	LAN – OFF: 21 mA
	With GSM communicator	LAN – OFF: 17 mA
<b>Maximum number of devices</b>	50	
<b>LAN communicator</b>	Ethernet interface, 10/100BASE	
<b>Dimensions</b>	268 x 225 x 83 mm	
<b>Weight with/without AKU</b>	1844 g/970 g	
<b>Reaction to invalid code entry</b>	Alarm after 10 wrong code entries	
<b>Event memory</b>	Approx. 7 million latest events, including date and time	
<b>Power supply unit</b>	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.	
<b>GSM communicator (2G)</b>	850 / 900 / 1800 / 1900 MHz	
<b>Classification</b>	Security grade 2 according to EN 50131-1	
<b>Operational environment</b>	Environmental class II (indoor general) according to EN 50131-1	
<b>Operational temperature range</b>	-10 °C to +40 °C	
<b>Average operational humidity</b>	75 % RH, non-condensing	
<b>Complies with</b>	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	

<b>Radio operating frequency (with the JA 11xR module)</b>	868.1 MHz
<b>Radio emissions</b>	ETSI EN 300 220-1,-2 (module R), ETSI EN 301 419-1, ETSI EN 301 511 (GSM)
<b>EMC</b>	EN 50130-4 ed. 2+A1, EN 55032 ed. 2, ETSI EN 301 489-7
<b>Safety conformity</b>	EN 62368-1+A11
<b>Caller identification (CLIP)</b>	ETSI EN 300 089
<b>Operational conditions</b>	ERC REC 70-03
<b>Certification body</b>	Trezor Test s.r.o. (no. 3025)