



JA-103K GSM Control panel with LAN communicator

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.

○ [Declaration of conformity - JA-103K \(PDF 700.95 kB\)](#)



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

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

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| Control panel power supply | ~ 110 – 230 V/50 – 60 Hz, max. 0.28 A with fuse F1.6 A/250 V, Protection class II | |
| Back-up battery | 12 V; 2.6 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 | 1000 mA | |
| Max. continuous current consumption for back-up 12 hours | Without GSM communicator | LAN – OFF: 115 mA LAN – ON: 88 mA |
| | With GSM communicator | LAN – OFF: 80 mA LAN – ON: 53 mA |
| Max. continuous current consumption for back-up 24 hours | Without GSM communicator | LAN – OFF: 21 mA |
| | With GSM communicator | LAN – OFF: 17 mA |
| Maximum number of devices | 50 | |
| LAN communicator | Ethernet interface, 10/100BASE | |
| Dimensions | 268 x 225 x 83 mm | |
| Weight with/without AKU | 1844 g/970 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 | |

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| 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) |