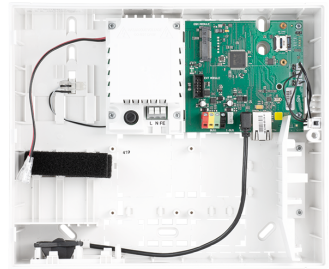


# GSM Control panel with LAN communicator

Code: JA-103K

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 a.s. certificate.



## Product 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-112R)
- 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

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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 information:

|                                                                      |                                                                                                                                            |                                      |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>Control panel power supply</b>                                    | ~ 110 – 230 V/50 – 60 Hz, max. 0.28 A with fuse<br>F1.6 A/250 V,<br>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<br>LAN – ON: 88 mA |
|                                                                      | With GSM communicator                                                                                                                      | LAN – OFF: 80 mA<br>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)                                                                                           |